

Anexa 1

Fișă de autoevaluare generală, în conformitate cu standardele Universității

DESCRIPTORI ACTIVITATEA DE CERCETARE	PUNCTAJUL ACORDAT	Punctaj individual
1. Articole științifice publicate în extenso în reviste cotate Web of Science cu factor de impact	(60 puncte x factor de impact + 25) / număr autori	3384.11
2. Articole științifice publicate în extenso în reviste indexate Web of Science fără factor de impact	20 puncte / număr autori	0.00
3. Articole științifice publicate în extenso în reviste indexate BDI	15 puncte / număr autori	0.00
4. Articole științifice publicate în extenso în volumele conferințelor	indexate ISI: 30 puncte / număr autori indexate în BDI: 15 puncte / număr autori alte categorii: 5 puncte / număr autori	0.00
5. Cărți științifice publicate (doar prima ediție)	edituri academice internaționale: 100 puncte la 100 pagini / număr autori alte edituri internaționale: 70 puncte la 100 pagini / număr autori edituri academice naționale: 50 puncte la 100 pagini / număr autori alte edituri naționale: 20	16.5
6. Cărți științifice traduse și publicate în edituri din străinătate	100 puncte la 100 pagini / număr autori	0.00
7. Coordonarea și editarea de volume, traduceri și antologii	edituri academice internaționale: 60 puncte / număr autori alte edituri internaționale: 40 puncte / număr autori edituri academice naționale: 30 puncte / număr autori alte edituri naționale:	0.00
8. Articole publicate în dicționare și enciclopedii	edituri academice internaționale: 30 puncte / număr autori alte edituri internaționale: 20 puncte / număr autori edituri academice naționale: 15 puncte / număr autori alte edituri naționale: 5 puncte / număr autori	0.00
9. Contracte de cercetare științifică în instituții academice (universități, institute ale Academiei Române, institute naționale de cercetare, institute de cercetare din străinătate, alte categorii de institute academice)	contracte internaționale – director: 100 puncte pentru fiecare 100.000 Euro contracte internaționale – membru: 100 puncte pentru fiecare 100.000 Euro / numărul membrilor echipei de cercetare contracte naționale – director: 50 puncte pentru fiecare 500.000 lei contracte naționale – membru: 50 puncte pentru fiecare 500.000 lei / numărul membrilor echipei de cercetare	300.79
10. Contracte de cercetare în mediul de afaceri și sectorul public	organizații internaționale: 100 puncte pentru fiecare 100.000 Euro firme multinaționale: 100 puncte pentru fiecare 100.000 Euro firme naționale: 50 puncte pentru fiecare 500.000 Euro organizații administrative naționale: 40 puncte pentru fiecare 500.000 Euro alte organizații publice de nivel național: 30 puncte pentru fiecare 500.000 Euro	0.00

11. Brevete	internaționale: 100 puncte / număr de autori naționale: 30 puncte / număr autori	0.00
12. Citări și recenzii ale lucrărilor științifice	reviste de specialitate din străinătate: (10 + 20 x factor de impact) / număr autori, pentru fiecare citare reviste de specialitate din țară: (5 + 10 x factor de impact) / număr autori, pentru fiecare citare monografii academice din străinătate: 50 puncte / număr autori, pentru fiecare citare monografii academice din țară: 25 puncte / număr autori, pentru fiecare citare	20635.61
13. Lucrări susținute în calitate de invitat la manifestări științifice (conferințe, congrese, simpozioane, seminarii și ateliere de lucru)	străinătate: 25 puncte pentru fiecare activitate țară: 10 puncte pentru fiecare activitate	105
14. Profesor/cercetător invitat la universități/institute de cercetare	străinătate: 25 puncte pentru fiecare activitate țară: 10 puncte pentru fiecare activitate	275
15. Editor/Membru în Editorial Board & Advisory Board	reviste cotate <i>Web of Science</i> : editor, 30 puncte pentru fiecare revistă; membru, 20 puncte pentru fiecare revistă reviste internaționale și alte reviste ale Universității: editor, 15 puncte pentru fiecare revistă; membru, 10 puncte pentru fiecare revistă	0.00
16. Premii internaționale obținute printr-un proces de selecție	100 puncte / categorie / număr persoane	0.00
17. Premii ale Academiei Române	50 puncte / categorie / număr persoane	50
18. Alte premii naționale ale instituțiilor culturale	20 puncte / categorie / număr persoane	20
19. Participări la manifestări științifice	internaționale: președinte comitet organizare/consiliu științific, 25 puncte pentru fiecare activitate; membru comitet organizare/consiliu științific, 15 puncte pentru fiecare activitate; moderator de panel, 15 puncte pentru fiecare activitate; raportor pe secțiuni/paneluri, 10 puncte pentru fiecare activitate naționale: președinte comitet organizare/consiliu științific, 15 puncte pentru fiecare activitate; membru comitet organizare/consiliu științific, 5 puncte pentru fiecare activitate; moderator de panel, 5 puncte pentru fiecare activitate; raportor pe secțiuni/paneluri, 2 puncte pentru fiecare activitate	0.00
TOTAL I		24787.01

DESCRIPTORI ACTIVITATEA DIDACTICA	PUNCTAJUL ACORDAT	Punctaj individual
1. Tratatate și manuale universitare	30 puncte la 100 pagini / număr de autori	0
2. Proiecte didactice (înființare/dotare laboratoare licență, master, săli workshop, biblioteci proprii facultăților, departamentelor, laboratoarelor și grupurilor de cercetare)	40 puncte pentru fiecare activitate	40
3. Materiale suport curs, seminar, lucrări practice și programe analitice detaliate	10 puncte pentru fiecare activitate	40
4. Organizare de aplicații și practică de specialitate	5 puncte pentru fiecare activitate	0.00
TOTAL II		80

Detalierea activităților 1.1 și 1.12

- [1] **Stoleriu, L; Nishino, M; Miyashita, S; Stancu, A; Hauser, A; Enachescu, C, Cluster evolution in molecular three-dimensional spin-crossover systems, PHYS REV B, vol. 96(6), art.no. 064115, (2017) 10.1103/PHYSREVB.96.064115**
 autori=6 IF=3.836 UAIC I.1(ISI)=42.527 nr.citari=0 UAIC I.12 (Citari)=0.000
-
- [2] **Ati, M; Enachescu, C; Bouamrane, R, Langevin dynamics simulation of a one-dimensional linear spin chain with long-range interactions, EUR PHYS J B, vol. 90(7), art.no. 133, (2017) 10.1140/EPJB/E2017-80070-3**
 autori=3 IF=1.461 UAIC I.1(ISI)=37.553 nr.citari=0 UAIC I.12 (Citari)=0.000
-
- [3] **Gaina, R; Enachescu, C, NUCLEATION IN SPIN TRANSITION MOLECULAR MAGNETS: A PARALLEL BETWEEN ISING-LIKE AND MECHANOELASTIC MODELS, P ROMANIAN ACAD A, vol. 18(3), pp. 215-222, (2017)**
 autori=2 IF=1.623 UAIC I.1(ISI)=61.190 nr.citari=0 UAIC I.12 (Citari)=0.000
-
- [4] **Enachescu, C; Stoleriu, L; Nishino, M; Miyashita, S; Stancu, A; Lorenc, M; Bertoni, R; Cailleau, H; Collet, E, Theoretical approach for elastically driven cooperative switching of spin-crossover compounds impacted by an ultrashort laser pulse, PHYS REV B, vol. 95(22), art.no. 224107, (2017) 10.1103/PHYSREVB.95.224107**
 [4.1] Parpiiev, T; Servol, M; Lorenc, M; Chaban, I; Lefort, R; Collet, E; Cailleau, H; Ruello, P; Daro, N; Chastanet, G; Pezeril, T, Ultrafast non-thermal laser excitation of gigahertz longitudinal and shear acoustic waves in spin-crossover molecular crystals [Fe(PM-AzA)(2)(NCS)(2)], APPL PHYS LETT, vol. 111(15), art.no. 151901, (2017) 10.1063/1.4996538
 IF CITARE: 3.411
 autori=9 IF=3.836 UAIC I.1(ISI)=28.351 nr.citari=1 UAIC I.12 (Citari)=8.691
-
- [5] **Enachescu, C; Hauser, A, Study of switching in spin transition compounds within the mechanoelastic model with realistic parameters, PHYS CHEM CHEM PHYS, vol. 18(30), pp. 20591-20599, (2016) 10.1039/C6CP02806C**
 autori=2 IF=4.123 UAIC I.1(ISI)=136.190 nr.citari=0 UAIC I.12 (Citari)=0.000
-
- [6] **Enachescu, C; Tanasa, R; Stancu, A; Tissot, A; Laisney, J; Boillot, ML, Matrix-assisted relaxation in Fe(phen)(2)(NCS)(2) spin-crossover microparticles, experimental and theoretical investigations, APPL PHYS LETT, vol. 109(3), art.no. 031908, (2016) 10.1063/1.4959262**
 [6.1] Gudyma, I; Maksymov, A, Reprint of "Surface-environment effects in spin crossover solids", APPL SURF SCI, vol. 424, pp. 258-263, , (2017) 10.1016/J.APSUSC.2017.05.247
 IF CITARE: 3.387
 [6.2] Kumar, KS; Ruben, M, Emerging trends in spin crossover (SCO) based functional materials and devices, COORDIN CHEM REV, vol. 346, pp. 176-205, , (2017) 10.1016/J.CCR.2017.03.024
 IF CITARE: 13.324
 [6.3] Gudyma, I; Maksymov, A, Surface-environment effects in spin crossover solids, APPL SURF SCI, vol. 407, pp. 93-98, , (2017) 10.1016/J.APSUSC.2017.02.124
 IF CITARE: 3.387
 autori=6 IF=3.411 UAIC I.1(ISI)=38.277 nr.citari=3 UAIC I.12 (Citari)=71.993
-
- [7] **Bertoni, R; Lorenc, M; Cailleau, H; Tissot, A; Laisney, J; Boillot, ML; Stoleriu, L; Stancu, A; Enachescu, C; Collet, E, Elastically driven cooperative response of a molecular material impacted by a laser pulse, NAT MATER, vol. 15(6), pp. 606-+, (2016) 10.1038/NMAT4606**
 [7.1] Lasco, O; Boillot, ML; Bellec, A; Guillot, R; Riviere, E; Mazerat, S; Nowak, S; Morineau, D; Brosseau, A; Miserque, F; Repain, V; Mallah, T, The disentangling of hysteretic spin transition, polymorphism and metastability in bistable thin films formed by sublimation of bis(scorpionate) Fe(II) molecules, J MATER CHEM C, vol. 5(42), pp. 11067-11075, , (2017) 10.1039/C7TC03276E
 IF CITARE: 5.256
 [7.2] Nishino, M; Miyashita, S; Rikvold, PA, Nontrivial phase diagram for an elastic interaction model of spin crossover materials with antiferromagnetic-like short-range interactions, PHYS REV B, vol. 96(14), art.no. 144425, (2017) 10.1103/PHYSREVB.96.144425
 IF CITARE: 3.836
 [7.3] Magott, M; Stefanczyk, O; Sieklucka, B; Pinkowicz, D, Octacyanidotungstate(IV) Coordination Chains Demonstrate a Light-Induced Excited Spin State Trapping Behavior and Magnetic Exchange Photoswitching, ANGEW CHEM INT EDIT, vol. 56(43), pp. 13283-13287, , (2017) 10.1002/ANIE.201703934
 IF CITARE: 11.994
 [7.4] Barskaya, IY; Veber, SL; Suturina, EA; Sherin, PS; Maryunina, KY; Artiukhova, NA; Tretyakov, EV; Sagdeev, RZ; Ovcharenko, VI; Gritsan, NP; Fedin, MV, Spin-state-correlated optical properties of copper(II)-nitroxide based molecular magnets, DALTON T, vol. 46(38), pp. 13108-13117, , (2017) 10.1039/C7DT02719B
 IF CITARE: 4.029
 [7.5] Parpiiev, T; Servol, M; Lorenc, M; Chaban, I; Lefort, R; Collet, E; Cailleau, H; Ruello, P; Daro, N; Chastanet, G; Pezeril, T, Ultrafast non-thermal laser excitation of gigahertz longitudinal and shear acoustic waves in spin-crossover molecular crystals [Fe(PM-AzA)(2)(NCS)(2)], APPL PHYS LETT, vol. 111(15), art.no. 151901, (2017) 10.1063/1.4996538
 IF CITARE: 3.411
 [7.6] Tumanov, SV; Veber, SL; Tolstikov, SE; Artiukhova, NA; Romanenko, GV; Ovcharenko, VI; Fedin, MV, Light-Induced Spin State Switching and Relaxation in Spin Pairs of Copper(II)-Nitroxide Based Molecular Magnets, INORG CHEM, vol. 56(19), pp. 11729-11737, , (2017) 10.1021/ACS.INORGCHEM.7B01689
 IF CITARE: 4.857
 [7.7] Buron-Le Cointe, M; Collet, E; Toudic, B; Czarnecki, P; Cailleau, H, Back to the Structural and Dynamical Properties of Neutral-Ionic Phase Transitions, CRYSTALS, vol. 7(10), art.no. 285, (2017) 10.3390/CRYST7100285
 IF CITARE: 1.566
 [7.8] Kumar, KS; Ruben, M, Emerging trends in spin crossover (SCO) based functional materials and devices, COORDIN CHEM REV, vol. 346, pp. 176-205, , (2017) 10.1016/J.CCR.2017.03.024
 IF CITARE: 13.324
 [7.9] Chergui, M; Collet, E, Photoinduced Structural Dynamics of Molecular Systems Mapped by Time-Resolved X-ray Methods, CHEM REV, vol. 117(16), pp. 11025-11065, , (2017) 10.1021/ACS.CHEMREV.6B00831
 IF CITARE: 47.928
 [7.10] Mariette, C; Trzop, E; Zerdane, S; Fertey, P; Zhang, DP; Valverde-Munoz, FJ; Real, JA; Collet, E, Formation of local spin-state concentration waves during the relaxation from a photoinduced state in a spin-crossover polymer, ACTA CRYSTALLOGR B, vol. 73, pp. 660-668, , (2017) 10.1107/S2052520617007685
 IF CITARE: 2.032
 [7.11] Dierre, B; Costuas, K; Dumait, N; Paofai, S; Amela-Cortes, M; Molard, Y; Grassset, F; Cho, YJ; Takahashi, K; Ohashi, N; Uchikoshi, T; Cordier, S, Mo-6 cluster-based compounds for energy conversion applications: comparative study of photoluminescence and cathodoluminescence, SCI TECHNOL ADV MAT, vol. 18(1), pp. 458-466, , (2017) 10.1080/14686996.2017.1338496

IF CITARE: 3.798

[7.12] Park, ST; van der Veen, RM, Modeling nonequilibrium dynamics of phase transitions at the nanoscale: Application to spin-crossover, STRUCT DYNAM-US, vol. 4(4), art.no. 044028, (2017) 10.1063/1.4985058

IF CITARE: 2.968

[7.13] Zerdane, S; Wilbraham, L; Cammarata, M; Iasco, O; Riviere, E; Boillot, ML; Ciofini, I; Collet, E, Comparison of structural dynamics and coherence of d-d and MLCT light-induced spin state trapping, CHEM SCI, vol. 8(7), pp. 4978-4986, , (2017) 10.1039/C6SC05624E

IF CITARE: 8.668

[7.14] Jiang, YF; Liu, LC; Muller-Werkmeister, HM; Lu, C; Zhang, DF; Field, RL; Sarracini, A; Moriena, G; Collet, E; Miller, RJD, Structural Dynamics upon Photoexcitation in a Spin Crossover Crystal Probed with Femtosecond Electron Diffraction, ANGEW CHEM INT EDIT, vol. 56(25), pp. 7130-7134, , (2017) 10.1002/ANIE.201702497

IF CITARE: 11.994

[7.15] Ishikawa, T; Hayes, SA; Miller, RJD; Hada, M; Koshihara, S, The photoinduced dynamics of X[M(dmit)(2)](2) salts, PHYS SCRIPTA, vol. 92(3), art.no. 034005, (2017) 10.1088/1402-4896/AA54C3

IF CITARE: 1.280

[7.16] Milne, CJ; Beaud, P; Deng, YP; Erny, C; Follath, R; Flechsig, U; Hauri, CP; Ingold, G; Juranic, P; Knopp, G; Lemke, H; Pedrini, B; Radi, P; Patthey, L, Opportunities for Chemistry at the SwissFEL X-ray Free Electron Laser, CHIMIA, vol. 71(5), pp. 299-307, , (2017) 10.2533/CHIMIA.2017.299

IF CITARE: 0.948

[7.17] Nishino, M; Miyashita, S, Anomalous finite-size effect due to quasidegenerate phases in triangular antiferromagnets with long-range interactions and mapping to the generalized six-state clock model, PHYS REV B, vol. 94(18), art.no. 184434, (2016) 10.1103/PHYSREVB.94.184434

IF CITARE: 3.836

[7.18] Trzop, E; Zhang, DP; Pineiro-Lopez, L; Valverde-Munoz, FJ; Munoz, MC; Palatinus, L; Guerin, L; Cailleau, H; Real, JA; Collet, E, First Step Towards a Devil's Staircase in Spin-Crossover Materials, ANGEW CHEM INT EDIT, vol. 55(30), pp. 8675-8679, , (2016) 10.1002/ANIE.201602441

IF CITARE: 11.994

[7.19] Johansson, JO; Kim, JW; Allwright, E; Rogers, DM; Robertson, N; Bigot, JY, Directly probing spin dynamics in a molecular magnet with femtosecond time-resolution, CHEM SCI, vol. 7(12), pp. 7061-7067, , (2016) 10.1039/C6SC01105E

IF CITARE: 8.668

[7.20] Bertoni, R; Lorenc, M; Graber, T; Henning, R; Moffat, K; Letard, JF; Collet, E, Cooperative elastic switching vs. laser heating in [Fe(phen)(2)(NCS)(2)] spin-crossover crystals excited by a laser pulse, CRYSTENGCOMM, vol. 18(38), pp. 7269-7275, , (2016) 10.1039/C6CE00659K

IF CITARE: 3.474

autori=10 IF=39.737 UAIC I.1(ISI)=240.922 nr.citari=20 UAIC I.12 (Citari)=331.722

[8] Atitoaie, A; Stoleriu, L; Tanasa, R; Stancu, A; Enachescu, C, Thermal hysteresis kinetic effects of spin crossover nanoparticulated systems studied by FORC diagram method on an Ising-like model, PHYSICA B, vol. 486, pp. 138-141, (2016) 10.1016/J.PHYSB.2015.08.035

autori=5 IF=1.386 UAIC I.1(ISI)=21.632 nr.citari=0 UAIC I.12 (Citari)=0.000

[9] Stan, RM; Gaina, R; Enachescu, C; Tanasa, R; Stancu, A; Bronisz, R, Kinetic effects on double hysteresis in spin crossover molecular magnets analyzed with first order reversal curve diagram technique, J APPL PHYS, vol. 117(17), art.no. 17B323, (2015) 10.1063/1.4918961

[9.1] Pali, A; Ostrovsky, S; Reu, O; Tsukerblat, B; Decurtins, S; Liu, SX; Klokishner, S, Microscopic theory of cooperative spin crossover: Interaction of molecular modes with phonons, J CHEM PHYS, vol. 143(8), art.no. 084502, (2015) 10.1063/1.4928642

IF CITARE: 2.894

autori=6 IF=2.101 UAIC I.1(ISI)=25.177 nr.citari=1 UAIC I.12 (Citari)=11.313

[10] Stoleriu, L; Stancu, A; Chakraborty, P; Hauser, A; Enachescu, C, Analysis of first order reversal curves in the thermal hysteresis of spin-crossover nanoparticles within the mechanoelastic model, J APPL PHYS, vol. 117(17), art.no. 17B307, (2015) 10.1063/1.4914953

[10.1] Mikolasek, M; Felix, G; Peng, H; Rat, S; Terki, F; Chumakov, AI; Salmon, L; Molnar, G; Nicolazzi, W; Bousseksou, A, Finite-size effects on the lattice dynamics in spin crossover nanomaterials. I. Nuclear inelastic scattering investigation, PHYS REV B, vol. 96(3), art.no. 035426, (2017) 10.1103/PHYSREVB.96.035426

IF CITARE: 3.836

[10.2] Gudyma, I; Maksymov, A; Dimian, M, Hysteretic behavior of spin-crossover noise driven system, PHYSICA B, vol. 486, pp. 44-47, , (2016) 10.1016/J.PHYSB.2016.01.019

IF CITARE: 1.386

autori=5 IF=2.101 UAIC I.1(ISI)=30.212 nr.citari=2 UAIC I.12 (Citari)=24.888

[11] Enachescu, C; Nishino, M; Miyashita, S; Boukheddaden, K; Varret, F; Rikvold, PA, Shape effects on the cluster spreading process of spin-crossover compounds analyzed within an elastic model with Eden and Kawasaki dynamics, PHYS REV B, vol. 91(10), art.no. 104102, (2015) 10.1103/PHYSREVB.91.104102

[11.1] Mariette, C; Trzop, E; Zerdane, S; Fertey, P; Zhang, DP; Valverde-Munoz, FJ; Real, JA; Collet, E, Formation of local spin-state concentration waves during the relaxation from a photoinduced state in a spin-crossover polymer, ACTA CRYSTALLOGR B, vol. 73, pp. 660-668, , (2017) 10.1107/S2052520617007685

IF CITARE: 2.032

[11.2] Hernandez, EM; Zheng, SP; Shepherd, HJ; Yufit, DS; Ridier, K; Bedoui, S; Nicolazzi, W; Velazquez, V; Bonnet, S; Molnar, G; Bousseksou, A, Spatially Resolved Investigation and Control of the Bistability in Single Crystals of the [Fe(bbpy)(NCS)(2)] Spin Crossover Complex, J PHYS CHEM C, vol. 120(48), pp. 27608-27617, , (2016) 10.1021/ACS.JPCC.6B10258

IF CITARE: 4.536

[11.3] Gudyma, IV; Ivashko, VV, Spin-Crossover Molecular Solids Beyond Rigid Crystal Approximation, NANOSCALE RES LETT, vol. 11, art.no. 196, (2016) 10.1186/S11671-016-1398-5

IF CITARE: 2.833

[11.4] Pali, A; Ostrovsky, S; Reu, O; Tsukerblat, B; Decurtins, S; Liu, SX; Klokishner, S, Microscopic theory of cooperative spin crossover: Interaction of molecular modes with phonons, J CHEM PHYS, vol. 143(8), art.no. 084502, (2015) 10.1063/1.4928642

IF CITARE: 2.894

[11.5] Slimani, A; Boukheddaden, K; Yamashita, K, Effect of intermolecular interactions on the nucleation, growth, and propagation of like-spin domains in spin-crossover materials, PHYS REV B, vol. 92(1), art.no. 014111, (2015) 10.1103/PHYSREVB.92.014111

IF CITARE: 3.718

[11.6] Fedin, MV; Veber, SL; Bagryanskaya, EG; Romanenko, GV; Ovcharenko, VI, Spatial distribution of phases during gradual magnetostuctural transitions in copper(II)-nitroxide based molecular magnets, DALTON T, vol. 44(43), pp. 18823-18830, , (2015) 10.1039/C5DT03441H

IF CITARE: 4.177

autori=6 IF=3.718 UAIC I.1(ISI)=41.347 nr.citari=6 UAIC I.12 (Citari)=77.300

[12] Atitoaie, A; Tanasa, R; Stancu, A; Enachescu, C, Study of spin crossover nanoparticles thermal hysteresis using FORC diagrams on an Ising-like model, J MAGN MAGN MATER, vol. 368, pp. 12-18, (2014) 10.1016/J.JMMM.2014.04.054

- [12.1] Zoppellaro, G; Tucek, J; Ugolotti, J; Aparicio, C; Malina, O; Cepe, K; Zboril, R, Triggering Two-Step Spin Bistability and Large Hysteresis in Spin Crossover Nanoparticles via Molecular Nanoengineering, CHEM MATER, vol. 29(20), pp. 8875-8883, , (2017) 10.1021/ACS.CHEMMATER.7B03633
IF CITARE: 9.466
- [12.2] Zhao, T; Boldog, I; Janiak, C; Liu, YJ, Effect of Metal-Organic Frameworks on the Spin-Transition Behavior of [Fe(HB(pz)(3))(2)], CHINESE J INORG CHEM, vol. 33(8), pp. 1330-1338, , (2017) 10.11862/CJIC.2017.178
IF CITARE: 0.489
- [12.3] Mikolasek, M; Felix, G; Peng, H; Rat, S; Terki, F; Chumakov, AI; Salmon, L; Molnar, G; Nicolazzi, W; Bousseksou, A, Finite-size effects on the lattice dynamics in spin crossover nanomaterials. I. Nuclear inelastic scattering investigation, PHYS REV B, vol. 96(3), art.no. 035426, (2017) 10.1103/PHYSREVB.96.035426
IF CITARE: 3.836
- [12.4] Robertson, K, Using flow technologies to direct the synthesis and assembly of materials in solution, CHEM CENT J, vol. 11, art.no. 4, (2017) 10.1186/S13065-016-0229-1
IF CITARE: 2.442
- [12.5] Robertson, K; Flandrin, PB; Shepherd, HJ; Wilson, CC, (Fe(Htrz)2(trz)) (BF4) nanoparticle production in a milli-scale segmented flow crystalliser, CHIM OGGI, vol. 35(1), pp. 19-22, , (2017)
IF CITARE: 0.597
- [12.6] Pezeshki-Nejad, Z; Ramazani, A; Alikhanzadeh-Arani, S; Almasi-Kashi, M; Salavati-Niasari, M, Influence of the surfactant and annealing rate on the morphology, magnetic and structural characteristics of Co2FeAl nanoparticles, J MAGN MAGN MATER, vol. 412, pp. 243-249, , (2016) 10.1016/J.JMMM.2016.04.018
IF CITARE: 2.630
- [12.7] Gudyma, I; Maksymov, A; Dimian, M, Hysteretic behavior of spin-crossover noise driven system, PHYSICA B, vol. 486, pp. 44-47, , (2016) 10.1016/J.PHYSB.2016.01.019
IF CITARE: 1.386
- [12.8] Deeth, RJ, Molecular Discovery in Spin Crossover, , vol. , pp. 85-102, , (2016)
IF CITARE: 0.000
- [12.9] Palii, A; Ostrovsky, S; Reu, O; Tsukerblat, B; Decurtins, S; Liu, SX; Klokishner, S, Microscopic theory of cooperative spin crossover: Interaction of molecular modes with phonons, J CHEM PHYS, vol. 143(8), art.no. 084502, (2015) 10.1063/1.4928642
IF CITARE: 2.894
- [12.10] Dirtu, MM; Schmit, F; Naik, AD; Rusu, I; Rotaru, A; Rackwitz, S; Wolny, JA; Schunemann, V; Spinu, L; Garcia, Y, Two-Step Spin Transition in a 1D Fe-II 1,2,4-Triazole Chain Compound, CHEM-EUR J, vol. 21(15), pp. 5843-5855, , (2015) 10.1002/CHEM.201406231
IF CITARE: 5.771
- [12.11] Bartual-Murgui, C; Natividad, E; Roubeau, O, Critical assessment of the nature and properties of Fe(II) triazole-based spin-crossover nanoparticles, J MATER CHEM C, vol. 3(30), pp. 7916-7924, , (2015) 10.1039/C5TC01174D
IF CITARE: 5.066
- autori=4 IF=1.970 UAIC I.1(ISI)=35.800 nr.citari=11 UAIC I.12 (Citari)=200.385
-
- [13] Gudyma, I; Maksymov, A; Enachescu, C, Phase transition in spin-crossover compounds in the breathing crystal field model, PHYS REV B, vol. 89(22), art.no. 224412, (2014) 10.1103/PHYSREVB.89.224412
- [13.1] Gudyma, I; Maksymov, A, Reprint of "Surface-environment effects in spin crossover solids", APPL SURF SCI, vol. 424, pp. 258-263, , (2017) 10.1016/J.APSUSC.2017.05.247
IF CITARE: 3.387
- [13.2] Nesterov, AI; Orlov, YS; Ovchinnikov, SG; Nikolaev, SV, Cooperative phenomena in spin crossover systems, PHYS REV B, vol. 96(13), art.no. 134103, (2017) 10.1103/PHYSREVB.96.134103
IF CITARE: 3.836
- [13.3] Gudyma, I; Ivashko, V; Bobak, A, Surface and Size Effects in Spin-Crossover Nanocrystals, NANOSCALE RES LETT, vol. 12, art.no. 101, (2017) 10.1186/S11671-017-1844-Z
IF CITARE: 2.833
- [13.4] Shelest, VV; Khristov, AV; Levchenko, GG, The role of anharmonicity in the systems with spin crossover, LOW TEMP PHYS+, vol. 42(6), pp. 505-512, , (2016) 10.1063/1.4954782
IF CITARE: 0.804
- [13.5] Gudyma, IV; Ivashko, VV, Spin-Crossover Molecular Solids Beyond Rigid Crystal Approximation, NANOSCALE RES LETT, vol. 11, art.no. 196, (2016) 10.1186/S11671-016-1398-5
IF CITARE: 2.833
- [13.6] Gudyma, I; Ivashko, V; Dimian, M, Pressure effect on hysteresis in spin-crossover solid materials, PHYSICA B, vol. 486, pp. 40-43, , (2016) 10.1016/J.PHYSB.2015.12.042
IF CITARE: 1.386
- [13.7] Gudyma, I; Maksymov, A; Dimian, M, Hysteretic behavior of spin-crossover noise driven system, PHYSICA B, vol. 486, pp. 44-47, , (2016) 10.1016/J.PHYSB.2016.01.019
IF CITARE: 1.386
- [13.8] Gudyma, I; Maksymov, A, Phenomenological Models of Photoinduced Transition in Spin-Crossover Materials, SPRINGER PROC PHYS, vol. 183, pp. 49-66, , (2016) 10.1007/978-3-319-30737-4_6
IF CITARE: 0.000
- [13.9] Gudyma, I; Maksymov, A; Spinu, L, Size effects in spin-crossover nanoparticles in framework of 2D and 3D Ising-like breathing crystal field model, APPL SURF SCI, vol. 352, pp. 60-65, , (2015) 10.1016/J.APSUSC.2015.02.160
IF CITARE: 3.150
- [13.10] Palii, A; Ostrovsky, S; Reu, O; Tsukerblat, B; Decurtins, S; Liu, SX; Klokishner, S, Microscopic theory of cooperative spin crossover: Interaction of molecular modes with phonons, J CHEM PHYS, vol. 143(8), art.no. 084502, (2015) 10.1063/1.4928642
IF CITARE: 2.894
- [13.11] Ertas, M; Keskin, M, Dynamic hysteresis features in a two-dimensional mixed Ising system, PHYS LETT A, vol. 379(26-27), pp. 1576-1583, , (2015) 10.1016/J.PHYSLETA.2015.04.017
IF CITARE: 1.677
- [13.12] Oke, TD; Hontinfinde, F; Boukheddaden, K, Bethe lattice approach and relaxation dynamics study of spin-crossover materials, APPL PHYS A-MATER, vol. 120(1), pp. 309-320, , (2015) 10.1007/S00339-015-9189-X
IF CITARE: 1.444
- [13.13] Ye, HZ; Sun, C; Jiang, H, Monte-Carlo simulations of spin-crossover phenomena based on a vibronic Ising-like model with realistic parameters, PHYS CHEM CHEM PHYS, vol. 17(10), pp. 6801-6808, , (2015) 10.1039/C4CP05562D
IF CITARE: 4.449
- [13.14] Gudyma, IV; Maksymov, A, Light-induced transition in spin-crossover compounds with correlated stochastic processes, PROC SPIE, vol. 9809, art.no. 98090R, (2015) 10.1117/12.2228171
IF CITARE: 0.000

[13.15] Gudyma, IV; Maksymov, AI; Ivashko, VV, Study of pressure influence on thermal transition in spin-crossover nanomaterials, NANOSCALE RES LETT, vol. 9, art.no. 691, (2014) 10.1186/1556-276X-9-691

IF CITARE: 2.779

[13.16] Gudyma, I; Ivashko, V; Linares, J, Diffusionless phase transition with two order parameters in spin-crossover solids, J APPL PHYS, vol. 116(17), art.no. 173509, (2014) 10.1063/1.4901243

IF CITARE: 2.183

autori=3 IF=3.736 UAIC I.1(ISI)=83.053 nr.citari=16 UAIC I.12 (Citari)=286.940

[14] Tanasa, R; Laisney, J; Stancu, A; Boillot, ML; Enachescu, C, Hysteretic behavior of Fe(phen)(2)(NCS)(2) spin-transition microparticles vs. the environment: A huge reversible component resolved by first order reversal curves, APPL PHYS LETT, vol. 104(3), art.no. 031909, (2014) 10.1063/1.4862748

[14.1] Lasco, O; Boillot, ML; Bellec, A; Guillot, R; Riviere, E; Mazerat, S; Nowak, S; Morineau, D; Brosseau, A; Miserque, F; Repain, V; Mallah, T, The disentangling of hysteretic spin transition, polymorphism and metastability in bistable thin films formed by sublimation of bis(scorpionate) Fe(II) molecules, J MATER CHEM C, vol. 5(42), pp. 11067-11075, , (2017) 10.1039/C7TC03276E

IF CITARE: 5.256

[14.2] Moulin, R; Delahaye, E; Bordage, A; Fonda, E; Baltaze, JP; Beaunier, P; Riviere, E; Fornasieri, G; Bleuzen, A, Ordered Mesoporous Silica Monoliths as a Versatile Platform for the Study of Magnetic and Photomagnetic Prussian Blue Analogue Nanoparticles, EUR J INORG CHEM, vol. (10), pp. 1303-1313, , (2017) 10.1002/EJIC.201601196

IF CITARE: 2.444

[14.3] Pezeshki-Nejad, Z; Ramazani, A; Alikhanzadeh-Arani, S; Almasi-Kashi, M; Salavati-Niasari, M, Influence of the surfactant and annealing rate on the morphology, magnetic and structural characteristics of Co2FeAl nanoparticles, J MAGN MAGN MATER, vol. 412, pp. 243-249, , (2016) 10.1016/J.JMMM.2016.04.018

IF CITARE: 2.630

[14.4] Mebs, S; Braun, B; Kositzki, R; Limberg, C; Haumann, M, Abrupt versus Gradual Spin-Crossover in Fe-II(phen)(2)(NCS)(2) and Fe(III)dcdtc(3) Compared by X-ray Absorption and Emission Spectroscopy and Quantum-Chemical Calculations, INORG CHEM, vol. 54(24), pp. 11606-11624, , (2015) 10.1021/ACS.INORGCHEM.5B01822

IF CITARE: 4.820

[14.5] Valverde-Munoz, FJ; Gaspar, AB; Shylin, SI; Ksenofontov, V; Real, JA, Synthesis of Nanocrystals and Particle Size Effects Studies on the Thermally Induced Spin Transition of the Model Spin Crossover Compound [Fe(phen)(2)(NCS)(2)], INORG CHEM, vol. 54(16), pp. 7906-7914, , (2015) 10.1021/ACS.INORGCHEM.5B00978

IF CITARE: 4.820

[14.6] Davesne, V; Gruber, M; Studniarek, M; Doh, WH; Zafeiratos, S; Joly, L; Sirotti, F; Silly, MG; Gaspar, AB; Real, JA; Schmerber, G; Bowen, M; Weber, W; Boukari, S; Da Costa, V; Arabski, J; Wulfhekel, W; Beaurepaire, E, Hysteresis and change of transition temperature in thin films of Fe{[Me(2)Pyrz](3)BH}(2), a new sublimable spin-crossover molecule, J CHEM PHYS, vol. 142(19), art.no. 194702, (2015) 10.1063/1.4921309

IF CITARE: 2.894

[14.7] Dirtu, MM; Schmit, F; Naik, AD; Rusu, I; Rotaru, A; Rackwitz, S; Wolny, JA; Schunemann, V; Spinu, L; Garcia, Y, Two-Step Spin Transition in a 1D Fe-II 1,2,4-Triazole Chain Compound, CHEM-EUR J, vol. 21(15), pp. 5843-5855, , (2015) 10.1002/CHEM.201406231

IF CITARE: 5.771

[14.8] Bertoni, R; Lorenc, M; Laisney, J; Tissot, A; Moreac, A; Matar, SF; Boillot, ML; Collet, E, Femtosecond spin-state photo-switching dynamics in an Fe-III spin crossover solid accompanied by coherent structural vibrations, J MATER CHEM C, vol. 3(30), pp. 7792-7801, , (2015) 10.1039/C5TC00854A

IF CITARE: 5.066

autori=5 IF=3.302 UAIC I.1(ISI)=44.624 nr.citari=8 UAIC I.12 (Citari)=150.804

[15] Chakraborty, P; Enachescu, C; Humair, A; Egger, L; Delgado, T; Tissot, A; Guenee, L; Besnard, C; Bronisz, R; Hauser, A, Light-induced spin-state switching in the mixed crystal series of the 2D coordination network {[Zn1-xFex(bbtr)(3)](BF4)(2)}(infinity): optical spectroscopy and cooperative effects, DALTON T, vol. 43(47), pp. 17786-17796, (2014) 10.1039/C4DT01728E

[15.1] Milin, E; Patinec, V; Triki, S; Bendeif, EE; Pillet, S; Marchivie, M; Chastanet, G; Boukheddaden, K, Elastic Frustration Triggering Photoinduced Hidden Hysteresis and Multistability in a Two-Dimensional Photoswitchable Hofmann-Like Spin-Crossover Metal-Organic Framework, INORG CHEM, vol. 55(22), pp. 11652-11661, , (2016) 10.1021/ACS.INORGCHEM.6B01081

IF CITARE: 4.857

[15.2] Trzop, E; Zhang, DP; Pineiro-Lopez, L; Valverde-Munoz, FJ; Munoz, MC; Palatinus, L; Guerin, L; Cailleau, H; Real, JA; Collet, E, First Step Towards a Devil's Staircase in Spin-Crossover Materials, ANGEW CHEM INT EDIT, vol. 55(30), pp. 8675-8679, , (2016) 10.1002/ANIE.201602441

IF CITARE: 11.994

[15.3] Rikvold, PA; Brown, G; Miyashita, S; Omand, C; Nishino, M, Equilibrium, metastability, and hysteresis in a model spin-crossover material with nearest-neighbor antiferromagnetic-like and long-range ferromagnetic-like interactions, PHYS REV B, vol. 93(6), art.no. 064109, (2016) 10.1103/PHYSREVB.93.064109

IF CITARE: 3.836

[15.4] Paradis, N; Chastanet, G; Palamarcu, T; Rosa, P; Varret, F; Boukheddaden, K; Letard, JF, Detailed Investigation of the Interplay Between the Thermal Decay of the Low Temperature Metastable HS State and the Thermal Hysteresis of Spin-Crossover Solids, J PHYS CHEM C, vol. 119(34), pp. 20039-20050, , (2015) 10.1021/ACS.JPCC.5B03680

IF CITARE: 4.509

autori=10 IF=4.197 UAIC I.1(ISI)=27.682 nr.citari=4 UAIC I.12 (Citari)=54.392

[16] Nishino, M; Nakada, T; Enachescu, C; Boukheddaden, K; Miyashita, S, Crossover of the roughness exponent for interface growth in systems with long-range interactions due to lattice distortion, PHYS REV B, vol. 88(9), art.no. 094303, (2013) 10.1103/PHYSREVB.88.094303

[16.1] Slimani, A; Boukheddaden, K; Yamashita, K, Effect of intermolecular interactions on the nucleation, growth, and propagation of like-spin domains in spin-crossover materials, PHYS REV B, vol. 92(1), art.no. 014111, (2015) 10.1103/PHYSREVB.92.014111

IF CITARE: 3.718

[16.2] Chiruta, D; Linares, J; Miyashita, S; Boukheddaden, K, Role of open boundary conditions on the hysteretic behaviour of one-dimensional spin crossover nanoparticles, J APPL PHYS, vol. 115(19), art.no. 194309, (2014) 10.1063/1.4878162

IF CITARE: 2.183

autori=5 IF=3.664 UAIC I.1(ISI)=48.968 nr.citari=2 UAIC I.12 (Citari)=27.604

[17] Chakraborty, P; Pillet, S; Bendeif, EE; Enachescu, C; Bronisz, R; Hauser, A, Light-Induced Bistability in the 2D Coordination Network {[Fe(bbtr)(3)](BF4)(2)}(infinity): Wavelength-Selective Addressing of Molecular Spin States, CHEM-EUR J, vol. 19(34), pp. 11418-11428, (2013) 10.1002/CHEM.201301257

[17.1] Milin, E; Patinec, V; Triki, S; Bendeif, EE; Pillet, S; Marchivie, M; Chastanet, G; Boukheddaden, K, Elastic Frustration Triggering Photoinduced Hidden Hysteresis and Multistability in a Two-Dimensional Photoswitchable Hofmann-Like Spin-Crossover Metal-Organic Framework, INORG CHEM, vol. 55(22), pp. 11652-11661, , (2016) 10.1021/ACS.INORGCHEM.6B01081

IF CITARE: 4.857

[17.2] Hauser, A; Reber, C, Spectroscopy and Chemical Bonding in Transition Metal Complexes, STRUCT BOND, vol. 172, pp. 291-312, , (2016) 10.1007/430_2015_195

IF CITARE: 2.404

[17.3] Unruh, D; Homenya, P; Kumar, M; Sindelar, R; Garcia, Y; Renz, F, Spin state switching of metal complexes by visible light or hard X-rays, DALTON T, vol. 45(36), pp. 14008-14018, , (2016) 10.1039/C6DT01745B

IF CITARE: 4.029

[17.4] Paradis, N; Chastanet, G; Palamarcu, T; Rosa, P; Varret, F; Boukheddaden, K; Letard, JF, Detailed Investigation of the Interplay Between the Thermal Decay of the Low Temperature Metastable HS State and the Thermal Hysteresis of Spin-Crossover Solids, J PHYS CHEM C, vol. 119(34), pp. 20039-20050, , (2015) 10.1021/ACS.JPCC.5B03680

IF CITARE: 4.509

[17.5] Delgado, T; Tissot, A; Besnard, C; Guenee, L; Pattison, P; Hauser, A, Structural Investigation of the High Spin -> Low Spin Relaxation Dynamics of the Porous Coordination Network [Fe(pz)Pt(CN)(4)]center dot 2.6H(2)O, CHEM-EUR J, vol. 21(9), pp. 3664-3670, , (2015) 10.1002/CHEM.201405405

IF CITARE: 5.771

[17.6] Craig, GA; Costa, JS; Roubeau, O; Teat, SJ; Shepherd, HJ; Lopes, M; Molnar, G; Bousseksou, A; Aromi, G, High-temperature photo-induced switching and pressure-induced transition in a cooperative molecular spin-crossover material, DALTON T, vol. 43(2), pp. 729-737, , (2014) 10.1039/C3DT52075G

IF CITARE: 4.197

autori=6 IF=5.696 UAIC I.1(ISI)=61.127 nr.citari=6 UAIC I.12 (Citari)=95.890

[18] Chakraborty, P; Enachescu, C; Hauser, A, Analysis of the Experimental Data for Pure and Diluted [FeZn1-x(bbtr)(3)](ClO4)(2) Spin-Crossover Solids in the Framework of a Mechanoelastic Model, EUR J INORG CHEM, vol. (5-6), pp. 770-780, (2013) 10.1002/EJIC.201201193

[18.1] Traiche, R; Sy, M; Oubouchou, H; Bouchez, G; Varret, F; Boukheddaden, K, Spatiotemporal Observation and Modeling of Remarkable Temperature Scan Rate Effects on the Thermal Hysteresis in a Spin-Crossover Single Crystal, J PHYS CHEM C, vol. 121(21), pp. 11700-11708, , (2017) 10.1021/ACS.JPCC.7B02816

IF CITARE: 4.536

[18.2] Jureschi, CM; Pottier, BL; Linares, J; Dahoo, PR; Alayli, Y; Rotaru, A, Simulation of multi-steps thermal transition in 2D spin-crossover nanoparticles, PHYSICA B, vol. 486, pp. 160-163, , (2016) 10.1016/J.PHYSB.2015.09.037

IF CITARE: 1.386

[18.3] Linares, J; Chiruta, D; Jureschi, CM; Alayli, Y; Turcu, CO; Dahoo, PR, Simulations of Edge Effect in 1D Spin Crossover Compounds by Atom-Phonon Coupling Model, J PHYS CONF SER, vol. 738, art.no. UNSP 012052, (2016) 10.1088/1742-6596/738/1/012052

IF CITARE: 0.000

[18.4] Chiruta, D; Jureschi, CM; Linares, J; Nasser, J; Rotaru, A, Analysis of spin crossover nanochains using parabolic approximation in the framework of atom-phonon coupling model, PHYSICA B, vol. 476, pp. 61-70, , (2015) 10.1016/J.PHYSB.2015.06.024

IF CITARE: 1.352

[18.5] Palii, A; Ostrovsky, S; Reu, O; Tsukerblat, B; Decurtins, S; Liu, SX; Klokishner, S, Microscopic theory of cooperative spin crossover: Interaction of molecular modes with phonons, J CHEM PHYS, vol. 143(8), art.no. 084502, (2015) 10.1063/1.4928642

IF CITARE: 2.894

[18.6] Chiruta, D; Linares, J; Dahoo, PR; Dimian, M, Influence of pressure and interactions strength on hysteretic behavior in two-dimensional polymeric spin crossover compounds, PHYSICA B, vol. 435, pp. 76-79, , (2014)

IF CITARE: 1.319

[18.7] Chiruta, D; Linares, J; Dimian, M; Alayli, Y; Garcia, Y, Role of Edge Atoms in the Hysteretic Behaviour of 3D Spin Crossover Nanoparticles Revealed by an Ising-Like Model, EUR J INORG CHEM, vol. 2013(29), pp. 5086-5093, , (2013) 10.1002/EJIC.201300757

IF CITARE: 2.965

[18.8] Chiruta, D; Linares, J; Garcia, Y; Dahoo, PR; Dimian, M, Analysis of the Hysteretic Behaviour of 3D Spin Crossover Compounds by Using an Ising-Like Model, EUR J INORG CHEM, vol. 2013(21), pp. 3601-3608, , (2013) 10.1002/EJIC.201300412

IF CITARE: 2.965

[18.9] Balde, C; Bauer, W; Kaps, E; Neville, S; Desplanches, C; Chastanet, G; Weber, B; Letard, JF, Light-Induced Excited Spin-State Properties in 1D Iron(II) Chain Compounds, EUR J INORG CHEM, vol. (15), pp. 2744-2750, , (2013) 10.1002/EJIC.201201422

IF CITARE: 2.965

autori=3 IF=2.965 UAIC I.1(ISI)=67.633 nr.citari=9 UAIC I.12 (Citari)=165.880

[19] Chakraborty, P; Enachescu, C; Walder, C; Bronisz, R; Hauser, A, Thermal and Light-Induced Spin Switching Dynamics in the 2D Coordination Network of {[Zn1-xFex(bbtr)(3)](ClO4)(2)}(infinity): The Role of Cooperative Effects, INORG CHEM, vol. 51(18), pp. 9714-9722, (2012) 10.1021/IC301006C

[19.1] Barskaya, IY; Veber, SL; Suturina, EA; Sherin, PS; Maryunina, KY; Artiukhova, NA; Tretyakov, EV; Sagdeev, RZ; Ovcharenko, VI; Gritsan, NP; Fedin, MV, Spin-state-correlated optical properties of copper(II)-nitroxide based molecular magnets, DALTON T, vol. 46(38), pp. 13108-13117, , (2017) 10.1039/C7DT02719B

IF CITARE: 4.029

[19.2] Traiche, R; Sy, M; Oubouchou, H; Bouchez, G; Varret, F; Boukheddaden, K, Spatiotemporal Observation and Modeling of Remarkable Temperature Scan Rate Effects on the Thermal Hysteresis in a Spin-Crossover Single Crystal, J PHYS CHEM C, vol. 121(21), pp. 11700-11708, , (2017) 10.1021/ACS.JPCC.7B02816

IF CITARE: 4.536

[19.3] Petzold, H; Djomgoue, P; Horner, G; Heider, S; Lochenie, C; Weber, B; Ruffer, T; Schaarschmidt, D, Spin state variability in Fe2+ complexes of substituted (2-(pyridin-2-yl)-1,10-phenanthroline) ligands as versatile terpyridine analogues, DALTON T, vol. 46(19), pp. 6218-6229, , (2017) 10.1039/C7DT00422B

IF CITARE: 4.029

[19.4] Balde, C; Desplanches, C; Letard, JF; Chastanet, G, Effects of metal dilution on the spin-crossover behavior and light induced bistability of iron(II) in [FexNi(1-x)(bPP)(2)](NCS)(2), POLYHEDRON, vol. 123, pp. 138-144, , (2017) 10.1016/J.POLY.2016.08.046

IF CITARE: 1.926

[19.5] Milin, E; Patinec, V; Triki, S; Bendeif, EE; Pillet, S; Marchivie, M; Chastanet, G; Boukheddaden, K, Elastic Frustration Triggering Photoinduced Hidden Hysteresis and Multistability in a Two-Dimensional Photoswitchable Hofmann-Like Spin-Crossover Metal-Organic Framework, INORG CHEM, vol. 55(22), pp. 11652-11661, , (2016) 10.1021/ACS.INORGCHEM.6B01081

IF CITARE: 4.857

[19.6] Arroyave, A; Lennartson, A; Dragulescu-Andrasi, A; Pedersen, KS; Piligkos, S; Stoian, SA; Greer, SM; Pak, C; Hietsoi, O; Phan, H; Hill, S; McKenzie, CJ; Shatruk, M, Spin Crossover in Fe(II) Complexes with N4S2 Coordination, INORG CHEM, vol. 55(12), pp. 5904-5913, , (2016) 10.1021/ACS.INORGCHEM.6B00246

IF CITARE: 4.857

[19.7] Petzold, H; Djomgoue, P; Horner, G; Speck, JM; Ruffer, T; Schaarschmidt, D, H-1 NMR spectroscopic elucidation in solution of the kinetics and thermodynamics of spin crossover for an exceptionally robust Fe2+ complex, DALTON T, vol. 45(35), pp. 13798-13809, , (2016) 10.1039/C6DT01895E

IF CITARE: 4.029

[19.8] Miyano, K; Nishida, T; Ono, H; Hamada, D; Fujinami, T; Matsumoto, N; Sunatsuki, Y, Synthesis, hydrogen-bonded 1D structure, and abrupt spin transition between high-spin (HS) and an ordered [HS-HS-HS-LS] of a mononuclear iron(III) complex [Fe-III(Him)(2)(4-MeOchapen)]CF3SO3 (Him = imidazole, 4-MeOchapen = N,N'-bis-(2-oxy-4-methoxyacetophenylidene)ethylenediamine), INORG CHIM ACTA, vol. 439, pp. 49-54, , (2016) 10.1016/J.ICA.2015.09.031

IF CITARE: 2.002

[19.9] Shatruk, M; Phan, H; Chrisostomo, BA; Suleimenova, A, Symmetry-breaking structural phase transitions in spin crossover complexes, COORDIN CHEM REV, vol. 289, pp. 62-73, , (2015) 10.1016/J.CCR.2014.09.018

IF CITARE: 12.994

[19.10] Delgado, T; Tissot, A; Besnard, C; Guenee, L; Pattison, P; Hauser, A, Structural Investigation of the High Spin -> Low Spin Relaxation Dynamics of the Porous Coordination Network [Fe(pz)Pt(CN)(4)]center dot 2.6H(2)O, CHEM-EUR J, vol. 21(9), pp. 3664-3670, , (2015) 10.1002/CHEM.201405405

IF CITARE: 5.771

[19.11] Galve, NC; Coronado, E; Gimenez-Marques, M; Espallargas, GM, A Mixed-Ligand Approach for Spin-Crossover Modulation in a Linear Fe-II Coordination Polymer, INORG CHEM, vol. 53(9), pp. 4482-4490, , (2014) 10.1021/IC500141V

IF CITARE: 4.762

[19.12] Balde, C; Desplanches, C; Le Gac, F; Guionneau, P; Letarda, JF, The role of iron(II) dilution in the magnetic and photomagnetic properties of the series [FexZn1-x(bpp)(2)](NCSe)(2), DALTON T, vol. 43(21), pp. 7820-7829, , (2014) 10.1039/C3DT52964A

IF CITARE: 4.197

[19.13] Bialonska, A; Bronisz, R; Baranowski, L, 1D Spin-Crossover Networks Containing a Fe-II(1,2,3-triazol-1-yl)(4)(CH3CN)(2)-Type Core, EUR J INORG CHEM, vol. (5-6), pp. 720-724, , (2013) 10.1002/EJIC.201201115

IF CITARE: 2.965

[19.14] Zheng, SP; Sieger, MA; Costa, JS; Fu, WT; Bonnet, S, Effect of Metal Dilution on the Thermal Spin Transition of [FexZn1-x(bapbpy)(NCS)(2)], EUR J INORG CHEM, vol. (5-6), pp. 1033-1042, , (2013) 10.1002/EJIC.201201183

IF CITARE: 2.965

autori=5 IF=4.593 UAIC I.1(ISI)=60.116 nr.citari=14 UAIC I.12 (Citari)=283.676

[20] Enachescu, C; Nishino, M; Miyashita, S; Stoleriu, L; Stancu, A, Monte Carlo Metropolis study of cluster evolution in spin-crossover solids within the framework of a mechanoelastic model, PHYS REV B, vol. 86(5), art.no. 054114, (2012) 10.1103/PHYSREVB.86.054114

[20.1] Nishino, M; Miyashita, S; Rikvold, PA, Nontrivial phase diagram for an elastic interaction model of spin crossover materials with antiferromagnetic-like short-range interactions, PHYS REV B, vol. 96(14), art.no. 144425, (2017) 10.1103/PHYSREVB.96.144425

IF CITARE: 3.836

[20.2] Allal, SE; Harle, C; Sohler, D; Dufaud, T; Dahoo, PR; Linares, J, Three Stable States Simulated for 1D Spin-Crossover Nanoparticles Using the Ising-Like Model, EUR J INORG CHEM, vol. (36), pp. 4196-4201, , (2017) 10.1002/EJIC.201700598

IF CITARE: 2.444

[20.3] Traiche, R; Sy, M; Oubouchou, H; Bouchez, G; Varret, F; Boukheddaden, K, Spatiotemporal Observation and Modeling of Remarkable Temperature Scan Rate Effects on the Thermal Hysteresis in a Spin-Crossover Single Crystal, J PHYS CHEM C, vol. 121(21), pp. 11700-11708, , (2017) 10.1021/ACS.JPCC.7B02816

IF CITARE: 4.536

[20.4] Nishino, M; Miyashita, S, Anomalous finite-size effect due to quasidegenerate phases in triangular antiferromagnets with long-range interactions and mapping to the generalized six-state clock model, PHYS REV B, vol. 94(18), art.no. 184434, (2016) 10.1103/PHYSREVB.94.184434

IF CITARE: 3.836

[20.5] Shelest, VV; Khristov, AV; Levchenko, GG, The role of anharmonicity in the systems with spin crossover, LOW TEMP PHYS+, vol. 42(6), pp. 505-512, , (2016) 10.1063/1.4954782

IF CITARE: 0.804

[20.6] Jureschi, CM; Pottier, BL; Linares, J; Dahoo, PR; Alayli, Y; Rotaru, A, Simulation of multi-steps thermal transition in 2D spin-crossover nanoparticles, PHYSICA B, vol. 486, pp. 160-163, , (2016) 10.1016/J.PHYSB.2015.09.037

IF CITARE: 1.386

[20.7] Linares, J; Jureschi, CM; Boulmaali, A; Boukheddaden, K, Matrix and size effects on the appearance of the thermal hysteresis in 2D spin crossover nanoparticles, PHYSICA B, vol. 486, pp. 164-168, , (2016) 10.1016/J.PHYSB.2015.09.048

IF CITARE: 1.386

[20.8] Linares, J; Chiruta, D; Jureschi, CM; Alayli, Y; Turcu, CO; Dahoo, PR, Simulations of Edge Effect in 1D Spin Crossover Compounds by Atom-Phonon Coupling Model, J PHYS CONF SER, vol. 738, art.no. UNSP 012052, (2016) 10.1088/1742-6596/738/1/012052

IF CITARE: 0.000

[20.9] Chiruta, D; Jureschi, CM; Linares, J; Nasser, J; Rotaru, A, Analysis of spin crossover nanochains using parabolic approximation in the framework of atom-phonon coupling model, PHYSICA B, vol. 476, pp. 61-70, , (2015) 10.1016/J.PHYSB.2015.06.024

IF CITARE: 1.352

[20.10] Slimani, A; Boukheddaden, K; Yamashita, K, Effect of intermolecular interactions on the nucleation, growth, and propagation of like-spin domains in spin-crossover materials, PHYS REV B, vol. 92(1), art.no. 014111, (2015) 10.1103/PHYSREVB.92.014111

IF CITARE: 3.718

[20.11] Chiruta, D; Linares, J; Miyashita, S; Boukheddaden, K, Role of open boundary conditions on the hysteretic behaviour of one-dimensional spin crossover nanoparticles, J APPL PHYS, vol. 115(19), art.no. 194309, (2014) 10.1063/1.4878162

IF CITARE: 2.183

[20.12] Chiruta, D; Linares, J; Garcia, Y; Dimian, M; Dahoo, PR, Analysis of multi-step transitions in spin crossover nanochains, PHYSICA B, vol. 434, pp. 134-138, , (2014) 10.1016/J.PHYSB.2013.11.012

IF CITARE: 1.319

[20.13] Paez-Espejo, M; Sy, M; Varret, F; Boukheddaden, K, Quantitative macroscopic treatment of the spatiotemporal properties of spin crossover solids based on a reaction diffusion equation, PHYS REV B, vol. 89(2), art.no. 024306, (2014) 10.1103/PHYSREVB.89.024306

IF CITARE: 3.736

[20.14] Ozaki, N; Tokoro, H; Miyamoto, Y; Ohkoshi, S, Humidity dependency of the thermal phase transition of a cyano bridged Co-W bimetal assembly, NEW J CHEM, vol. 38(5), pp. 1950-1954, , (2014) 10.1039/C3NJ01656K

IF CITARE: 3.086

[20.15] Slimani, A; Boukheddaden, K; Varret, F; Nishino, M; Miyashita, S, Properties of the low-spin high-spin interface during the relaxation of spin-crossover materials, investigated through an electro-elastic model, J CHEM PHYS, vol. 139(19), art.no. 194706, (2013) 10.1063/1.4829462

IF CITARE: 3.122

[20.16] Chiruta, D; Linares, J; Dimian, M; Alayli, Y; Garcia, Y, Role of Edge Atoms in the Hysteretic Behaviour of 3D Spin Crossover Nanoparticles Revealed by an Ising-Like Model, EUR J INORG CHEM, vol. 2013(29), pp. 5086-5093, , (2013) 10.1002/EJIC.201300757

IF CITARE: 2.965

[20.17] Nishino, M; Miyashita, S, Effect of the short-range interaction on critical phenomena in elastic interaction systems, PHYS REV B, vol. 88(1), art.no. 014108, (2013) 10.1103/PHYSREVB.88.014108

IF CITARE: 3.664

[20.18] Chiruta, D; Linares, J; Garcia, Y; Dahoo, PR; Dimian, M, Analysis of the Hysteretic Behaviour of 3D Spin Crossover Compounds by Using an Ising-Like Model, EUR J INORG CHEM, vol. 2013(21), pp. 3601-3608, , (2013) 10.1002/EJIC.201300412

IF CITARE: 2.965

[20.19] Viquerat, B; Degert, J; Letard, JF; Freysz, E, Relaxation oscillations during the laser-induced spin state transition of a [Fe(PM-BiA)(2)(NCS)(2)] complex, PHYS REV B, vol. 87(2), art.no. 024303, (2013) 10.1103/PHYSREVB.87.024303

IF CITARE: 3.664

autori=5 IF=3.767 UAIC I.1(ISI)=50.204 nr.citari=19 UAIC I.12 (Citari)=238.008

- [21] **Atitoaie, A; Tanasa, R; Enachescu, C, Size dependent thermal hysteresis in spin crossover nanoparticles reflected within a Monte Carlo based Ising-like model, J MAGN MAGN MATER, vol. 324(8), pp. 1596-1600, (2012) 10.1016/J.JMMM.2011.12.011**
 [21.1] Gudyma, I; Maksymov, A, Reprint of "Surface-environment effects in spin crossover solids", APPL SURF SCI, vol. 424, pp. 258-263, , (2017) 10.1016/J.APSUSC.2017.05.247
 IF CITARE: 3.387
 [21.2] Nesterov, AI; Orlov, YS; Ovchinnikov, SG; Nikolaev, SV, Cooperative phenomena in spin crossover systems, PHYS REV B, vol. 96(13), art.no. 134103, (2017) 10.1103/PHYSREVB.96.134103
 IF CITARE: 3.836
 [21.3] Mikolasek, M; Felix, G; Peng, H; Rat, S; Terki, F; Chumakov, AI; Salmon, L; Molnar, G; Nicolazzi, W; Bousseksou, A, Finite-size effects on the lattice dynamics in spin crossover nanomaterials. I. Nuclear inelastic scattering investigation, PHYS REV B, vol. 96(3), art.no. 035426, (2017) 10.1103/PHYSREVB.96.035426
 IF CITARE: 3.836
 [21.4] Mikolasek, M; Nicolazzi, W; Terki, F; Molnar, G; Bousseksou, A, Surface transition in spin crossover nanoparticles, CHEM PHYS LETT, vol. 678, pp. 107-111, , (2017) 10.1016/J.CPLETT.2017.04.031
 IF CITARE: 1.815
 [21.5] Gudyma, I; Maksymov, A, Surface-environment effects in spin crossover solids, APPL SURF SCI, vol. 407, pp. 93-98, , (2017) 10.1016/J.APSUSC.2017.02.124
 IF CITARE: 3.387
 [21.6] Shelest, VV; Khristov, AV; Levchenko, GG, The role of anharmonicity in the systems with spin crossover, LOW TEMP PHYS+, vol. 42(6), pp. 505-512, , (2016) 10.1063/1.4954782
 IF CITARE: 0.804
 [21.7] Drissi, LB; Zriouel, S, Graphyne core/shell nanoparticles: Monte Carlo study of thermal and magnetic properties, J STAT MECH-THEORY E, vol. , art.no. 053206, (2016) 10.1088/1742-5468/2016/05/053206
 IF CITARE: 2.196
 [21.8] Jureschi, CM; Pottier, BL; Linares, J; Dahoo, PR; Alayli, Y; Rotaru, A, Simulation of multi-steps thermal transition in 2D spin-crossover nanoparticles, PHYSICA B, vol. 486, pp. 160-163, , (2016) 10.1016/J.PHYSB.2015.09.037
 IF CITARE: 1.386
 [21.9] Linares, J; Jureschi, CM; Boulmaali, A; Boukheddaden, K, Matrix and size effects on the appearance of the thermal hysteresis in 2D spin crossover nanoparticles, PHYSICA B, vol. 486, pp. 164-168, , (2016) 10.1016/J.PHYSB.2015.09.048
 IF CITARE: 1.386
 [21.10] Chiruta, D; Jureschi, CM; Linares, J; Dahoo, PR; Garcia, Y; Rotaru, A, On the origin of multi-step spin transition behaviour in 1D nanoparticles, EUR PHYS J B, vol. 88(9), art.no. 233, (2015) 10.1140/EPJB/E2015-60340-X
 IF CITARE: 1.223
 [21.11] Gudyma, I; Ivashko, V; Linares, J, Diffusionless phase transition with two order parameters in spin-crossover solids, J APPL PHYS, vol. 116(17), art.no. 173509, (2014) 10.1063/1.4901243
 IF CITARE: 2.183
 [21.12] Chiruta, D; Jureschi, CM; Linares, J; Graur, A; Dimian, M; Rotaru, A, Analysis of Architecture Effect on Hysteretic Behavior of 3-D Spin Crossover Nanostructures, IEEE T MAGN, vol. 50(11), art.no. 2900404, (2014) 10.1109/TMAG.2014.2322878
 IF CITARE: 1.386
 [21.13] Mikolasek, M; Felix, G; Molnar, G; Terki, F; Nicolazzi, W; Bousseksou, A, Role of surface vibrational properties on cooperative phenomena in spin-crossover nanomaterials, PHYS REV B, vol. 90(7), art.no. 075402, (2014) 10.1103/PHYSREVB.90.075402
 IF CITARE: 3.736
 [21.14] Chiruta, D; Jureschi, CM; Linares, J; Garcia, Y; Rotaru, A, Lattice architecture effect on the cooperativity of spin transition coordination polymers, J APPL PHYS, vol. 115(5), art.no. 053523, (2014) 10.1063/1.4864035
 IF CITARE: 2.183
 [21.15] Laosiritaworn, W; Laosiritaworn, Y, Artificial Neural Network modeling of spin-transition behavior in two-dimensional molecular magnet: The learning by experiences analysis, POLYHEDRON, vol. 66, pp. 108-115, , (2013) 10.1016/J.POLY.2013.02.071
 IF CITARE: 2.047
 [21.16] Laosiritaworn, Y, Role of reduced geometry on critical spin-crossover behavior in molecular magnet: Monte Carlo simulation, POLYHEDRON, vol. 66, pp. 129-135, , (2013) 10.1016/J.POLY.2013.03.011
 IF CITARE: 2.047
 [21.17] Chiruta, D; Linares, J; Dimian, M; Alayli, Y; Garcia, Y, Role of Edge Atoms in the Hysteretic Behaviour of 3D Spin Crossover Nanoparticles Revealed by an Ising-Like Model, EUR J INORG CHEM, vol. 2013(29), pp. 5086-5093, , (2013) 10.1002/EJIC.201300757
 IF CITARE: 2.965
 [21.18] Felix, G; Nicolazzi, W; Salmon, L; Molnar, G; Perrier, M; Maurin, G; Larionova, J; Long, J; Guari, Y; Bousseksou, A, Enhanced Cooperative Interactions at the Nanoscale in Spin-Crossover Materials with a First-Order Phase Transition, PHYS REV LETT, vol. 110(23), art.no. 235701, (2013) 10.1103/PHYSREVLTT.110.235701
 IF CITARE: 7.728
 [21.19] Shepherd, HJ; Molnar, G; Nicolazzi, W; Salmon, L; Bousseksou, A, Spin Crossover at the Nanometre Scale, EUR J INORG CHEM, vol. (5-6), pp. 653-661, , (2013) 10.1002/EJIC.201201205
 IF CITARE: 2.965
 [21.20] Pavlik, J; Boca, R, Established Static Models of Spin Crossover, EUR J INORG CHEM, vol. (5-6), pp. 697-709, , (2013) 10.1002/EJIC.201201082
 IF CITARE: 2.965
 [21.21] Roubeau, O, Triazole-Based One-Dimensional Spin-Crossover Coordination Polymers, CHEM-EUR J, vol. 18(48), pp. 15230-15244, , (2012) 10.1002/CHEM.201201647
 IF CITARE: 5.831
 [21.22] Chiruta, D; Linares, J; Dahoo, PR; Dimian, M, Analysis of long-range interaction effects on phase transitions in two-step spin-crossover chains by using Ising-type systems and Monte Carlo entropic sampling technique, J APPL PHYS, vol. 112(7), art.no. 074906, (2012) 10.1063/1.4756994
 IF CITARE: 2.210
 autori=3 IF=1.826 UAIC 1.1 (ISI)=44.853 nr.citari=22 UAIC 1.12 (Citari)=483.347

 [22] **Ferbinteanu, M; Cimpoesu, F; Girtu, MA; Enachescu, C; Tanase, S, Structure and Magnetism in Fe-Gd Based Dinuclear and Chain Systems. The Interplay of Weak Exchange Coupling and Zero Field Splitting Effects, INORG CHEM, vol. 51(1), pp. 40-50, (2012) 10.1021/IC1023289**
 [22.1] Zheng, XY; Zhang, H; Wang, ZX; Liu, PX; Du, MH; Han, YZ; Wei, RJ; Ouyang, ZW; Kong, XJ; Zhuang, GL; Long, LS; Zheng, LS, Insights into Magnetic Interactions in a Monodisperse Gd12Fe14 Metal Cluster, ANGEW CHEM INT EDIT, vol. 56(38), pp. 11475-11479, , (2017) 10.1002/ANIE.201705697
 IF CITARE: 11.994
 [22.2] Ferbinteanu, M; Stroppa, A; Scarrozza, M; Humelnicu, I; Maftai, D; Frecus, B; Cimpoesu, F, On The Density Functional Theory Treatment of Lanthanide Coordination Compounds: A Comparative Study in a Series of Cu-Ln (Ln = Gd, Tb, Lu) Binuclear Complexes, INORG CHEM, vol. 56(16), pp. 9474-9485, , (2017) 10.1021/ACS.INORGCHEM.7B00587
 IF CITARE: 4.857

- [22.3] Rabelo, R; Valdo, AK; Robertson, C; Thomas, JA; Stumpf, HO; Martins, FT; Pedroso, EF; Julve, M; Lloret, F; Cangussu, D, Synthesis, crystal structure and magnetic properties of [Co(bpcam)(2)]ClO4 center dot dmsu center dot H2O, [Co(bpcam)(2)](2)[Co(NCS)(4)]center dot dmsu center dot H2O and [Ni(bpcam)(2)]center dot H2O [Hbpcam = bis(2-pyrimidylcarbonyl)amide], NEW J CHEM, vol. 41(14), pp. 6911-6921, , (2017) 10.1039/C7NJ00526A
IF CITARE: 3.269
- [22.4] Kanetomo, T; Kihara, T; Miyake, A; Matsuo, A; Tokunaga, M; Kindo, K; Nojiri, H; Ishida, T, Giant Exchange Coupling Evidenced with a Magnetization Jump at 52 T for a Gadolinium-Nitroxide Chelate, INORG CHEM, vol. 56(6), pp. 3310-3314, , (2017) 10.1021/ACS.INORGCHEM.6I302685
IF CITARE: 4.857
- [22.5] Marinho, MV; Reis, DO; Oliveira, WXC; Marques, LF; Stumpf, HO; Deniz, M; Pasan, J; Ruiz-Perez, C; Cano, J; Lloret, F; Julve, M, Photoluminescent and Slow Magnetic Relaxation Studies on Lanthanide(III)-2,5-pyrazinedicarboxylate Frameworks, INORG CHEM, vol. 56(4), pp. 2108-2123, , (2017) 10.1021/ACS.INORGCHEM.6B02774
IF CITARE: 4.857
- [22.6] Kanetomo, T; Yoshitake, T; Ishida, T, Strongest Ferromagnetic Coupling in Designed Gadolinium(III)-Nitroxide Coordination Compounds, INORG CHEM, vol. 55(16), pp. 8140-8146, , (2016) 10.1021/ACS.INORGCHEM.6B01072
IF CITARE: 4.857
- [22.7] Ghosh, S; Mahapatra, P; Kanetomo, T; Drew, MGB; Ishida, T; Ghosh, A, Syntheses, Crystal Structure and Magnetic Properties of an Unprecedented One-Dimensional Coordination Polymer Derived from an {(NiL)(2)Ln} Node and a Pyrazine Spacer (H-2 L = N, N'-Bis(salicylidene)-1,3-propanediamine, Ln = Gd, Tb and Dy), CHEMISTRYSELECT, vol. 1(11), pp. 2722-2729, , (2016) 10.1002/SLCT.201600637
IF CITARE: 0.000
- [22.8] Cimpoesu, F; Frecus, B; Oprea, CI; Ramanantoanina, H; Urland, W; Daul, C, On exchange coupling and bonding in the Gd-2@C-80 and Gd-2@C79N endohedral dimetallo-fullerenes, MOL PHYS, vol. 113(13-14), pp. 1712-1727, , (2015) 10.1080/00268976.2015.1007107
IF CITARE: 1.837
- [22.9] Ferbinteanu, M; Cimpoesu, F; Tanase, S, Metal-Organic Frameworks with d-f Cyanide Bridges: Structural Diversity, Bonding Regime, and Magnetism, STRUCT BOND, vol. 163, pp. 185-229, , (2015) 10.1007/430_2014_156
IF CITARE: 1.753
- [22.10] Arauzo, A; Lazarescu, A; Shova, S; Bartolome, E; Cases, R; Luzon, J; Bartolome, J; Turta, C, Structural and magnetic properties of some lanthanide (Ln = Eu(III), Gd(III) and Nd(III)) cyanoacetate polymers: field-induced slow magnetic relaxation in the Gd and Nd substitutions, DALTON T, vol. 43(32), pp. 12342-12356, , (2014) 10.1039/C4DT01104J
IF CITARE: 4.197
- [22.11] Cimpoesu, F; Frecus, B; Oprea, CI; Panait, P; Girtu, MA, Disorder, exchange and magnetic anisotropy in the room-temperature molecular magnet V[TCNE](x) - A theoretical study, COMP MATER SCI, vol. 91, pp. 320-328, , (2014) 10.1016/J.COMMATSCI.2014.04.062
IF CITARE: 2.131
- [22.12] Ramanantoanina, H; Urland, W; Garcia-Fuente, A; Cimpoesu, F; Daul, C, Ligand field density functional theory for the prediction of future domestic lighting, PHYS CHEM CHEM PHYS, vol. 16(28), pp. 14625-14634, , (2014) 10.1039/C3CP55521F
IF CITARE: 4.493
- [22.13] Cimpoesu, F; Dragoe, N; Ramanantoanina, H; Urland, W; Daul, C, The theoretical account of the ligand field bonding regime and magnetic anisotropy in the DySc2N@C-80 single ion magnet endohedral fullerene, PHYS CHEM CHEM PHYS, vol. 16(23), pp. 11337-11348, , (2014) 10.1039/C4CP00953C
IF CITARE: 4.493
- [22.14] Badia-Romano, L; Bartolome, F; Bartolome, J; Luzon, J; Prodius, D; Turta, C; Mereacre, V; Wilhelm, F; Rogalev, A, Field-induced internal Fe and Ln spin reorientation in butterfly {Fe(3)LnO(2)} (Ln = Dy and Gd) single-molecule magnets, PHYS REV B, vol. 87(18), art.no. 184403, (2013) 10.1103/PHYSREVB.87.184403
IF CITARE: 3.664
- [22.15] Cimpoesu, F; Zaharia, A; Stamate, D; Panait, P; Oprea, CI; Girtu, MA; Ferbinteanu, M, New insights in the bonding regime and ligand field in Wernerian complexes. A density functional study, POLYHEDRON, vol. 52, pp. 183-195, , (2013) 10.1016/J.POLY.2012.10.012
IF CITARE: 2.047
- [22.16] Singh, SK; Pedersen, KS; Sigrist, M; Thuesen, CA; Schau-Magnussen, M; Mutka, H; Piligkos, S; Weihe, H; Rajaraman, G; Bendix, J, Angular dependence of the exchange interaction in fluoride-bridged Gd-III-Cr-III complexes, CHEM COMMUN, vol. 49(49), pp. 5583-5585, , (2013) 10.1039/C3CC42552E
IF CITARE: 6.718
- [22.17] Singh, SK; Rajaraman, G, Decisive interactions that determine ferro/antiferromagnetic coupling in {3d-4f} pairs: a case study on dinuclear {V(IV)-Gd(III)} complexes, DALTON T, vol. 42(10), pp. 3623-3630, , (2013) 10.1039/C2DT32316H
IF CITARE: 4.097
- [22.18] Cimpoesu, F; Dahan, F; Ladeira, S; Ferbinteanu, M; Costes, JP, Chiral Crystallization of a Heterodinuclear Ni-Ln Series: Comprehensive Analysis of the Magnetic Properties., INORG CHEM, vol. 51(21), pp. 11279-11293, , (2012) 10.1021/IC3001784
IF CITARE: 4.593
- [22.19] Cremades, E; Gomez-Coca, S; Aravena, D; Alvarez, S; Ruiz, E, Theoretical Study of Exchange Coupling in 3d-Gd Complexes: Large Magnetocaloric Effect Systems, J AM CHEM SOC, vol. 134(25), pp. 10532-10542, , (2012) 10.1021/JA302851N
IF CITARE: 10.677
- [22.20] Gomez, V; Vendier, L; Corbella, M; Costes, JP, Tetranuclear [Co-Gd](2) Complexes: Aiming at a Better Understanding of the 3d-Gd Magnetic Interaction, INORG CHEM, vol. 51(11), pp. 6396-6404, , (2012) 10.1021/IC300711H
IF CITARE: 4.593
- [22.21] Ke, HS; Zhao, L; Guo, Y; Tang, JK, Polydentate-ligand-supported self-assembly of heterometallic T-shaped Co4RE (RE=Gd, Tb, Y) clusters: synthesis, structure and magnetism, DALTON T, vol. 41(32), pp. 9760-9765, , (2012) 10.1039/C2DT30761H
IF CITARE: 3.806
- autori=5 IF=4.593 UAIC I.1(ISI)=60.116 nr.citari=21 UAIC I.12 (Citari)=417.160
-
- [23] Tissot, A; Enachescu, C; Boillot, ML, Control of the thermal hysteresis of the prototypal spin-transition Fe-II(phen)(2)(NCS)(2) compound via the microcrystallites environment: experiments and mechanoelastic model, J MATER CHEM, vol. 22(38), pp. 20451-20457, (2012) 10.1039/C2JM33865C
- [23.1] Gudyma, I; Maksymov, A, Reprint of "Surface-environment effects in spin crossover solids", APPL SURF SCI, vol. 424, pp. 258-263, , (2017) 10.1016/J.APSUSC.2017.05.247
IF CITARE: 3.387
- [23.2] Lasco, O; Boillot, ML; Bellec, A; Guillot, R; Riviere, E; Mazerat, S; Nowak, S; Morineau, D; Brosseau, A; Miserque, F; Repain, V; Mallah, T, The disentangling of hysteretic spin transition, polymorphism and metastability in bistable thin films formed by sublimation of bis(scorpionate) Fe(II) molecules, J MATER CHEM C, vol. 5(42), pp. 11067-11075, , (2017) 10.1039/C7TC03276E
IF CITARE: 5.256
- [23.3] Zoppellaro, G; Tucek, J; Ugolotti, J; Aparicio, C; Malina, O; Cepe, K; Zboril, R, Triggering Two-Step Spin Bistability and Large Hysteresis in Spin Crossover Nanoparticles via Molecular Nanoengineering, CHEM MATER, vol. 29(20), pp. 8875-8883, , (2017) 10.1021/ACS.CHEMMATER.7B03633
IF CITARE: 9.466
- [23.4] Kumar, KS; Ruben, M, Emerging trends in spin crossover (SCO) based functional materials and devices, COORDIN CHEM REV, vol. 346, pp. 176-205, , (2017) 10.1016/J.CCR.2017.03.024
IF CITARE: 13.324

[23.5] Mikolasek, M; Felix, G; Peng, H; Rat, S; Terki, F; Chumakov, AI; Salmon, L; Molnar, G; Nicolazzi, W; Bousseksou, A, Finite-size effects on the lattice dynamics in spin crossover nanomaterials. I. Nuclear inelastic scattering investigation, PHYS REV B, vol. 96(3), art.no. 035426, (2017) 10.1103/PHYSREVB.96.035426

IF CITARE: 3.836

[23.6] Gudyma, I; Maksymov, A, Surface-environment effects in spin crossover solids, APPL SURF SCI, vol. 407, pp. 93-98, , (2017) 10.1016/J.APSUSC.2017.02.124

IF CITARE: 3.387

[23.7] Wang, YX; Qiu, D; Li, ZH; Gu, ZG; Ren, XH; Li, ZJ, Resin-Assisted Constructive Synthesis of Spin-Crossover Nanorod Arrays, EUR J INORG CHEM, vol. (28), pp. 4581-4585, , (2016) 10.1002/EJIC.201600774

IF CITARE: 2.444

[23.8] Mebs, S; Braun, B; Kositzki, R; Limberg, C; Haumann, M, Abrupt versus Gradual Spin-Crossover in Fe-II(phen)(2)(NCS)(2) and Fe(III)dedtc(3) Compared by X-ray Absorption and Emission Spectroscopy and Quantum-Chemical Calculations, INORG CHEM, vol. 54(24), pp. 11606-11624, , (2015) 10.1021/ACS.INORGCHEM.5B01822

IF CITARE: 4.820

[23.9] Valverde-Munoz, FJ; Gaspar, AB; Shylin, SI; Ksenofontov, V; Real, JA, Synthesis of Nanocrystals and Particle Size Effects Studies on the Thermally Induced Spin Transition of the Model Spin Crossover Compound [Fe(phen)(2)(NCS)(2)], INORG CHEM, vol. 54(16), pp. 7906-7914, , (2015) 10.1021/ACS.INORGCHEM.5B00978

IF CITARE: 4.820

[23.10] Laisney, J; Tissot, A; Molnar, G; Rechignat, L; Riviere, E; Brisset, F; Bousseksou, A; Boillot, ML, Nanocrystals of Fe(phen)(2)(NCS)(2) and the size-dependent spin-crossover characteristics, DALTON T, vol. 44(39), pp. 17302-17311, , (2015) 10.1039/C5DT02840J

IF CITARE: 4.177

[23.11] Maryunina, KY; Zhang, X; Nishihara, S; Inoue, K; Morozov, VA; Romanenko, GV; Ovcharenko, VI, A heterospin pressure sensor, J MATER CHEM C, vol. 3(30), pp. 7788-7791, , (2015) 10.1039/C5TC01005E

IF CITARE: 5.066

[23.12] Bertoni, R; Lorenc, M; Laisney, J; Tissot, A; Moreac, A; Matar, SF; Boillot, ML; Collet, E, Femtosecond spin-state photo-switching dynamics in an Fe-III spin crossover solid accompanied by coherent structural vibrations, J MATER CHEM C, vol. 3(30), pp. 7792-7801, , (2015) 10.1039/C5TC00854A

IF CITARE: 5.066

[23.13] Paquirissamy, A; Ruyack, AR; Mondal, A; Li, Y; Lescouezec, R; Chaneac, C; Fleury, B, Versatile nano-platforms for hybrid systems: expressing spin-transition behavior on nanoparticles, J MATER CHEM C, vol. 3(14), pp. 3350-3355, , (2015) 10.1039/C5TC00021A

IF CITARE: 5.066

[23.14] Nguyen, LL; Guillot, R; Laisney, J; Rechignat, L; Bedoui, S; Molnar, G; Riviere, E; Boillot, ML, Fe(Me-2-bpy)(2)(NCSe)(2) spin-crossover micro- and nanoparticles showing spin-state switching above 250 K, NEW J CHEM, vol. 39(3), pp. 1603-1610, , (2015) 10.1039/C4NJ01257G

IF CITARE: 3.277

[23.15] Bertoni, R; Lorenc, M; Tissot, A; Boillot, ML; Collet, E, Femtosecond photoswitching dynamics and microsecond thermal conversion driven by laser heating in Fe-III spin-crossover solids, COORDIN CHEM REV, vol. 282, pp. 66-76, , (2015) 10.1016/J.CCR.2014.05.024

IF CITARE: 12.994

[23.16] Lapresta-Fernandez, A; Cuellar, MP; Herrera, JM; Salinas-Castillo, A; Pegalajar, MD; Titos-Padilla, S; Colacio, E; Capitan-Vallvey, LF, Particle tuning and modulation of the magnetic/colour synergy in Fe(II) spin crossover-polymer nanocomposites in a thermochromic sensor array, J MATER CHEM C, vol. 2(35), pp. 7292-7303, , (2014) 10.1039/C4TC00969J

IF CITARE: 4.696

[23.17] Mikolasek, M; Felix, G; Molnar, G; Terki, F; Nicolazzi, W; Bousseksou, A, Role of surface vibrational properties on cooperative phenomena in spin-crossover nanomaterials, PHYS REV B, vol. 90(7), art.no. 075402, (2014) 10.1103/PHYSREVB.90.075402

IF CITARE: 3.736

[23.18] Slimani, A; Boukheddaden, K; Yamashita, K, Thermal spin transition of circularly shaped nanoparticles in a core-shell structure investigated with an electroelastic model, PHYS REV B, vol. 89(21), art.no. 214109, (2014) 10.1103/PHYSREVB.89.214109

IF CITARE: 3.736

[23.19] Mikolasek, M; Felix, G; Nicolazzi, W; Molnar, G; Salmon, L; Bousseksou, A, Finite size effects in molecular spin crossover materials, NEW J CHEM, vol. 38(5), pp. 1834-1839, , (2014) 10.1039/C3NJ01268A

IF CITARE: 3.086

[23.20] Tissot, A, Photoswitchable spin crossover nanoparticles, NEW J CHEM, vol. 38(5), pp. 1840-1845, , (2014) 10.1039/C3NJ01255G

IF CITARE: 3.086

[23.21] Felix, G; Nicolazzi, W; Mikolasek, M; Molnar, G; Bousseksou, A, Non-extensivity of thermodynamics at the nanoscale in molecular spin crossover materials: a balance between surface and volume, PHYS CHEM CHEM PHYS, vol. 16(16), pp. 7358-7367, , (2014) 10.1039/C3CP55031A

IF CITARE: 4.493

[23.22] Shepherd, HJ; Molnar, G; Nicolazzi, W; Salmon, L; Bousseksou, A, Spin Crossover at the Nanometre Scale, EUR J INORG CHEM, vol. (5-6), pp. 653-661, , (2013) 10.1002/EJIC.201201205

IF CITARE: 2.965

[23.23] Tokarev, A; Long, J; Guari, Y; Larionova, J; Quignard, F; Agulhon, P; Robitzer, M; Molnar, G; Salmon, L; Bousseksou, A, Spin crossover polysaccharide nanocomposites, NEW J CHEM, vol. 37(11), pp. 3420-3432, , (2013) 10.1039/C3NJ00534H

IF CITARE: 3.159

[23.24] Durand, P; Pillet, S; Bendeif, EE; Carteret, C; Bouazaoui, M; El Hamzaoui, H; Capoen, B; Salmon, L; Hebert, S; Ghanbaja, J; Aranda, L; Schaniel, D, Room temperature bistability with wide thermal hysteresis in a spin crossover silica nanocomposite, J MATER CHEM C, vol. 1(10), pp. 1933-1942, , (2013) 10.1039/C3TC00546A

IF CITARE: 4.696

autori=3 IF=6.108 UAIC I.1(ISI)=130.493 nr.citari=24 UAIC I.12 (Citari)=880.260

[24] Nishino, M; Enachescu, C; Miyashita, S; Rikvold, PA; Boukheddaden, K; Varret, F, Macroscopic nucleation phenomena in continuum media with long-range interactions, SCI REP-UK, vol. 1, art.no. 162, (2011) 10.1038/SREP00162

[24.1] Nishino, M; Miyashita, S; Rikvold, PA, Nontrivial phase diagram for an elastic interaction model of spin crossover materials with antiferromagnetic-like short-range interactions, PHYS REV B, vol. 96(14), art.no. 144425, (2017) 10.1103/PHYSREVB.96.144425

IF CITARE: 3.836

[24.2] Traiche, R; Oubouchou, H; Zergoug, M; Boukheddaden, K, Spatio-temporal aspects of the domain propagation in a spin-crossover lattice with defect, PHYSICA B, vol. 516, pp. 77-84, , (2017) 10.1016/J.PHYSB.2017.04.026

IF CITARE: 1.386

[24.3] Traiche, R; Sy, M; Oubouchou, H; Bouchez, G; Varret, F; Boukheddaden, K, Spatiotemporal Observation and Modeling of Remarkable Temperature Scan Rate Effects on the Thermal Hysteresis in a Spin-Crossover Single Crystal, J PHYS CHEM C, vol. 121(21), pp. 11700-11708, , (2017) 10.1021/ACS.JPCC.7B02816

IF CITARE: 4.536

[24.4] Dhar, A; Acharyya, M, Reversal of Magnetisation in Ising Ferromagnet by the Field Having Gradient, COMMUN THEOR PHYS, vol. 66(5), pp. 563-570, , (2016)

IF CITARE: 0.989

- [24.5] Hattab, H; Hupalo, M; Hershberger, MT; von Hoegen, MH; Tringides, MC, A combined STM and SPA-LEED study of the "explosive" nucleation and collective diffusion in Pb/Si(111), SURF SCI, vol. 646, pp. 50-55, , (2016) 10.1016/J.SUSC.2015.08.017
IF CITARE: 2.062
- [24.6] Paez-Espejo, M; Sy, M; Boukheddaden, K, Elastic Frustration Causing Two-Step and Multistep Transitions in Spin-Crossover Solids: Emergence of Complex Antiferroelastic Structures, J AM CHEM SOC, vol. 138(9), pp. 3202-3210, , (2016) 10.1021/JACS.6B00049
IF CITARE: 13.858
- [24.7] Faraz, A; Deepak, N; Schmidt, M; Pemble, ME; Keeney, L, A study of the temperature dependence of the local ferroelectric properties of c-axis oriented Bi6Ti3Fe2O18 Aurivillius phase thin films: Illustrating the potential of a novel lead-free perovskite material for high density memory applications, AIP ADV, vol. 5(8), art.no. 087123, (2015) 10.1063/1.4928495
IF CITARE: 1.444
- [24.8] Slimani, A; Boukheddaden, K; Yamashita, K, Effect of intermolecular interactions on the nucleation, growth, and propagation of like-spin domains in spin-crossover materials, PHYS REV B, vol. 92(1), art.no. 014111, (2015) 10.1103/PHYSREVB.92.014111
IF CITARE: 3.718
- [24.9] Oke, TD; Hontinfinde, F; Boukheddaden, K, Bethe lattice approach and relaxation dynamics study of spin-crossover materials, APPL PHYS A-MATER, vol. 120(1), pp. 309-320, , (2015) 10.1007/S00339-015-9189-X
IF CITARE: 1.444
- [24.10] Hershberger, MT; Hupalo, M; Thiel, PA; Wang, CZ; Ho, KM; Tringides, MC, Nonclassical "Explosive" Nucleation in Pb/Si(111) at Low Temperatures, PHYS REV LETT, vol. 113(23), art.no. 236101, (2014) 10.1103/PHYSREVLETT.113.236101
IF CITARE: 7.512
- [24.11] Paez-Espejo, M; Sy, M; Varret, F; Boukheddaden, K, Quantitative macroscopic treatment of the spatiotemporal properties of spin crossover solids based on a reaction diffusion equation, PHYS REV B, vol. 89(2), art.no. 024306, (2014) 10.1103/PHYSREVB.89.024306
IF CITARE: 3.736
- [24.12] Slimani, A; Boukheddaden, K; Varret, F; Nishino, M; Miyashita, S, Properties of the low-spin high-spin interface during the relaxation of spin-crossover materials, investigated through an electro-elastic model, J CHEM PHYS, vol. 139(19), art.no. 194706, (2013) 10.1063/1.4829462
IF CITARE: 3.122
- [24.13] Boukheddaden, K, Monte Carlo investigations on surface elastic energy of spin-crossover solids: Direct access to image pressure and the Eshelby constant, PHYS REV B, vol. 88(13), art.no. 134105, (2013) 10.1103/PHYSREVB.88.134105
IF CITARE: 3.664
- [24.14] Oubouchou, H; Slimani, A; Zribi, G; Haïne, N; Zergoug, M; Boukheddaden, K, Thermal Hysteresis Behavior of Spin Crossover Nanoparticles from a Deformable Lattice Model: Monte Carlo Investigations, SENSOR LETT, vol. 11(8), pp. 1432-1439, , (2013) 10.1166/SL.2013.2988
IF CITARE: 0.558
- [24.15] Nishino, M; Miyashita, S, Effect of the short-range interaction on critical phenomena in elastic interaction systems, PHYS REV B, vol. 88(1), art.no. 014108, (2013) 10.1103/PHYSREVB.88.014108
IF CITARE: 3.664
- [24.16] Boukheddaden, K; Bailly-Reyre, A, Towards the elastic properties of 3D spin-crossover thin films: Evidence of buckling effects, EPL-EUROPHYS LETT, vol. 103(2), art.no. 26005, (2013) 10.1209/0295-5075/103/26005
IF CITARE: 2.269
- [24.17] Oubouchou, H; Slimani, A; Boukheddaden, K, Interplay between elastic interactions in a core-shell model for spin-crossover nanoparticles, PHYS REV B, vol. 87(10), art.no. 104104, (2013) 10.1103/PHYSREVB.87.104104
IF CITARE: 3.664
- [24.18] Boukheddaden, K, Static and Dynamical Aspects of a Phonon-Induced Spin-Crossover Transition - Local Equilibrium Approach, EUR J INORG CHEM, vol. (5-6), pp. 865-874, , (2013) 10.1002/EJIC.201201093
IF CITARE: 2.965
- [24.19] Slimani, A; Boukheddaden, K; Varret, F; Oubouchou, H; Nishino, M; Miyashita, S, Microscopic spin-distortion model for switchable molecular solids: Spatiotemporal study of the deformation field and local stress at the thermal spin transition, PHYS REV B, vol. 87(1), art.no. 014111, (2013) 10.1103/PHYSREVB.87.014111
IF CITARE: 3.664
- [24.20] Williams, HD; Trevaskis, NL; Charman, SA; Shanker, RM; Charman, WN; Pouton, CW; Porter, CJH, Strategies to Address Low Drug Solubility in Discovery and Development, PHARMACOL REV, vol. 65(1), pp. 315-499, , (2013) 10.1124/PR.111.005660
IF CITARE: 18.551
- autori=6 IF=2.927 UAIC I.1(ISI)=33.437 nr.citari=20 UAIC I.12 (Citari)=322.140
-
- [25] Stoleriu, L; Chakraborty, P; Hauser, A; Stancu, A; Enachescu, C, Thermal hysteresis in spin-crossover compounds studied within the mechanoelastic model and its potential application to nanoparticles, PHYS REV B, vol. 84(13), art.no. 134102, (2011) 10.1103/PHYSREVB.84.134102
- [25.1] Mikolasek, M; Felix, G; Peng, H; Rat, S; Terki, F; Chumakov, AI; Salmon, L; Molnar, G; Nicolazzi, W; Bousseksou, A, Finite-size effects on the lattice dynamics in spin crossover nanomaterials. I. Nuclear inelastic scattering investigation, PHYS REV B, vol. 96(3), art.no. 035426, (2017) 10.1103/PHYSREVB.96.035426
IF CITARE: 3.836
- [25.2] Park, ST; van der Veen, RM, Modeling nonequilibrium dynamics of phase transitions at the nanoscale: Application to spin-crossover, STRUCT DYNAM-US, vol. 4(4), art.no. 044028, (2017) 10.1063/1.4985058
IF CITARE: 2.968
- [25.3] Traiche, R; Oubouchou, H; Zergoug, M; Boukheddaden, K, Spatio-temporal aspects of the domain propagation in a spin-crossover lattice with defect, PHYSICA B, vol. 516, pp. 77-84, , (2017) 10.1016/J.PHYSB.2017.04.026
IF CITARE: 1.386
- [25.4] Gudyma, I; Maksymov, A, Surface-environment effects in spin crossover solids, APPL SURF SCI, vol. 407, pp. 93-98, , (2017) 10.1016/J.APSUSC.2017.02.124
IF CITARE: 3.387
- [25.5] Jureschi, CM; Pottier, BL; Linares, J; Dahoo, PR; Alayli, Y; Rotaru, A, Simulation of multi-steps thermal transition in 2D spin-crossover nanoparticles, PHYSICA B, vol. 486, pp. 160-163, , (2016) 10.1016/J.PHYSB.2015.09.037
IF CITARE: 1.386
- [25.6] Linares, J; Jureschi, CM; Boulmaali, A; Boukheddaden, K, Matrix and size effects on the appearance of the thermal hysteresis in 2D spin crossover nanoparticles, PHYSICA B, vol. 486, pp. 164-168, , (2016) 10.1016/J.PHYSB.2015.09.048
IF CITARE: 1.386
- [25.7] Chiruta, D; Jureschi, CM; Linares, J; Dahoo, PR; Garcia, Y; Rotaru, A, On the origin of multi-step spin transition behaviour in 1D nanoparticles, EUR PHYS J B, vol. 88(9), art.no. 233, (2015) 10.1140/EPJB/E2015-60340-X
IF CITARE: 1.223
- [25.8] Ye, HZ; Sun, C; Jiang, H, Monte-Carlo simulations of spin-crossover phenomena based on a vibronic Ising-like model with realistic parameters, PHYS CHEM CHEM PHYS, vol. 17(10), pp. 6801-6808, , (2015) 10.1039/C4CP05562D
IF CITARE: 4.449
- [25.9] Zhao, T; Cuignet, L; Dirtu, MM; Wolff, M; Spasojevic, V; Boldog, I; Rotaru, A; Garcia, Y; Janiak, C, Water effect on the spin-transition behavior of Fe(II) 1,2,4-triazole 1D chains embedded in pores of MCM-41, J MATER CHEM C, vol. 3(30), pp. 7802-7812, , (2015) 10.1039/C5TC00311C

IF CITARE: 5.066

[25.10] Peng, HN; Tricard, S; Felix, G; Molnar, G; Nicolazzi, W; Salmon, L; Bousseksou, A, Re-Appearance of Cooperativity in Ultra-Small Spin-Crossover [Fe(pz){Ni(CN)(4)}] Nanoparticles, ANGEW CHEM INT EDIT, vol. 53(41), pp. 10894-10898, , (2014) 10.1002/ANIE.201406710

IF CITARE: 11.261

[25.11] Mikolasek, M; Felix, G; Molnar, G; Terki, F; Nicolazzi, W; Bousseksou, A, Role of surface vibrational properties on cooperative phenomena in spin-crossover nanomaterials, PHYS REV B, vol. 90(7), art.no. 075402, (2014) 10.1103/PHYSREVB.90.075402

IF CITARE: 3.736

[25.12] Slimani, A; Boukheddaden, K; Yamashita, K, Thermal spin transition of circularly shaped nanoparticles in a core-shell structure investigated with an electroelastic model, PHYS REV B, vol. 89(21), art.no. 214109, (2014) 10.1103/PHYSREVB.89.214109

IF CITARE: 3.736

[25.13] Molnar, G; Salmon, L; Nicolazzi, W; Terki, F; Bousseksou, A, Emerging properties and applications of spin crossover nanomaterials, J MATER CHEM C, vol. 2(8), pp. 1360-1366, , (2014) 10.1039/C3TC31750A

IF CITARE: 4.696

[25.14] Mikolasek, M; Felix, G; Nicolazzi, W; Molnar, G; Salmon, L; Bousseksou, A, Finite size effects in molecular spin crossover materials, NEW J CHEM, vol. 38(5), pp. 1834-1839, , (2014) 10.1039/C3NJ01268A

IF CITARE: 3.086

[25.15] Felix, G; Nicolazzi, W; Mikolasek, M; Molnar, G; Bousseksou, A, Non-extensivity of thermodynamics at the nanoscale in molecular spin crossover materials: a balance between surface and volume, PHYS CHEM CHEM PHYS, vol. 16(16), pp. 7358-7367, , (2014) 10.1039/C3CP55031A

IF CITARE: 4.493

[25.16] Guionneau, P, Crystallography and spin-crossover. A view of breathing materials, DALTON T, vol. 43(2), pp. 382-393, , (2014) 10.1039/C3DT52520A

IF CITARE: 4.197

[25.17] Laosiritaworn, W; Laosiritaworn, Y, Artificial Neural Network modeling of spin-transition behavior in two-dimensional molecular magnet: The learning by experiences analysis, POLYHEDRON, vol. 66, pp. 108-115, , (2013) 10.1016/J.POLY.2013.02.071

IF CITARE: 2.047

[25.18] Laosiritaworn, Y, Role of reduced geometry on critical spin-crossover behavior in molecular magnet: Monte Carlo simulation, POLYHEDRON, vol. 66, pp. 129-135, , (2013) 10.1016/J.POLY.2013.03.011

IF CITARE: 2.047

[25.19] Boukheddaden, K, Monte Carlo investigations on surface elastic energy of spin-crossover solids: Direct access to image pressure and the Eshelby constant, PHYS REV B, vol. 88(13), art.no. 134105, (2013) 10.1103/PHYSREVB.88.134105

IF CITARE: 3.664

[25.20] Oubouchou, H; Slimani, A; Zribi, G; Haine, N; Zergoug, M; Boukheddaden, K, Thermal Hysteresis Behavior of Spin Crossover Nanoparticles from a Deformable Lattice Model: Monte Carlo Investigations, SENSOR LETT, vol. 11(8), pp. 1432-1439, , (2013) 10.1166/SL.2013.2988

IF CITARE: 0.558

[25.21] Felix, G; Nicolazzi, W; Salmon, L; Molnar, G; Perrier, M; Maurin, G; Larionova, J; Long, J; Guari, Y; Bousseksou, A, Enhanced Cooperative Interactions at the Nanoscale in Spin-Crossover Materials with a First-Order Phase Transition, PHYS REV LETT, vol. 110(23), art.no. 235701, (2013) 10.1103/PHYSREVLETT.110.235701

IF CITARE: 7.728

[25.22] Mannel, M; Morawetz, K; Lipavsky, P, Coexistence of phase transitions and hysteresis near the onset of Bose-Einstein condensation, PHYS REV A, vol. 87(5), art.no. 053617, (2013) 10.1103/PHYSREVA.87.053617

IF CITARE: 2.991

[25.23] Oubouchou, H; Slimani, A; Boukheddaden, K, Interplay between elastic interactions in a core-shell model for spin-crossover nanoparticles, PHYS REV B, vol. 87(10), art.no. 104104, (2013) 10.1103/PHYSREVB.87.104104

IF CITARE: 3.664

[25.24] Shepherd, HJ; Molnar, G; Nicolazzi, W; Salmon, L; Bousseksou, A, Spin Crossover at the Nanometre Scale, EUR J INORG CHEM, vol. (5-6), pp. 653-661, , (2013) 10.1002/EJIC.201201205

IF CITARE: 2.965

[25.25] Viquerat, B; Degert, J; Letard, JF; Freysz, E, Relaxation oscillations during the laser-induced spin state transition of a [Fe(PM-BiA)(2)(NCS)(2)] complex, PHYS REV B, vol. 87(2), art.no. 024303, (2013) 10.1103/PHYSREVB.87.024303

IF CITARE: 3.664

[25.26] Slimani, A; Boukheddaden, K; Varret, F; Oubouchou, H; Nishino, M; Miyashita, S, Microscopic spin-distortion model for switchable molecular solids: Spatiotemporal study of the deformation field and local stress at the thermal spin transition, PHYS REV B, vol. 87(1), art.no. 014111, (2013) 10.1103/PHYSREVB.87.014111

IF CITARE: 3.664

[25.27] Apetrei, AM; Boukheddaden, K; Stancu, A, Dynamic phase transitions in the one-dimensional spin-phonon coupling model, PHYS REV B, vol. 87(1), art.no. 014302, (2013) 10.1103/PHYSREVB.87.014302

IF CITARE: 3.664

[25.28] Gudyma, IV; Maksymov, AI, Light-induced hysteresis in spin crossover compounds under noise, PROC SPIE, vol. 9066, art.no. 906613, (2013) 10.1117/12.2048391

IF CITARE: 0.000

[25.29] Nicolazzi, W; Pillet, S, Structural aspects of the relaxation process in spin crossover solids: Phase separation, mapping of lattice strain, and domain wall structure, PHYS REV B, vol. 85(9), art.no. 094101, (2012) 10.1103/PHYSREVB.85.094101

IF CITARE: 3.767

autori=5 IF=3.691 UAIC I.1(ISI)=49.292 nr.citari=29 UAIC I.12 (Citari)=460.860

[26] Padurariu, L; Enachescu, C; Mitoseriu, L, Monte Carlo simulations for describing the ferroelectric-relaxor crossover in BaTiO₃-based solid solutions, J PHYS-CONDENS MAT, vol. 23(32), art.no. 325901, (2011) 10.1088/0953-8984/23/32/325901

[26.1] Gheorghiu, F; Padurariu, L; Airimioaei, M; Curecheriu, L; Ciomaga, C; Padurariu, C; Galassi, C; Mitoseriu, L, Porosity-dependent properties of Nb-doped Pb(Zr,Ti)O₃ ceramics, J AM CERAM SOC, vol. 100(2), pp. 647-658, , (2017) 10.1111/JACE.14587

IF CITARE: 2.841

[26.2] Ma, YB; Molin, C; Shvartsman, VV; Gebhardt, S; Lupascu, DC; Albe, K; Xu, BX, State transition and electrocaloric effect of BaZrTi_{1-x}O₃: Simulation and experiment, J APPL PHYS, vol. 121(2), , (2017) 10.1063/1.4973574

IF CITARE: 2.068

[26.3] Curecheriu, LP; Ciomaga, CE; Musteata, V; Canu, G; Buscaglia, V; Mitoseriu, L, Diffuse phase transition and high electric field properties of BaCe_{1-y}Ti_{1-y}O₃ relaxor ferroelectric ceramics, CERAM INT, vol. 42(9), pp. 11085-11092, , (2016) 10.1016/J.CERAMINT.2016.04.008

IF CITARE: 2.986

[26.4] Prosandeev, S; Wang, DW; Akbarzadeh, AR; Bellaiche, L, First-principles-based effective Hamiltonian simulations of bulks and films made of lead-free Ba(Zr,Ti)O₃ relaxor ferroelectrics, J PHYS-CONDENS MAT, vol. 27(22), art.no. 223202, (2015) 10.1088/0953-8984/27/22/223202

IF CITARE: 2.209

[26.5] Ma, YB; Albe, K; Xu, BX, Lattice-based Monte Carlo simulations of the electrocaloric effect in ferroelectrics and relaxor ferroelectrics, PHYS REV B, vol. 91(18), art.no. 184108, (2015) 10.1103/PHYSREVB.91.184108

IF CITARE: 3.718

[26.6] Horchidan, N; Ianculescu, AC; Vasilescu, CA; Deluca, M; Musteata, V; Ursic, H; Frunza, R; Malic, B; Mitoseriu, L, Multiscale study of ferroelectric-relaxor crossover in BaSn_xTi_{1-x}O₃ ceramics, J EUR CERAM SOC, vol. 34(15), pp. 3661-3674, , (2014) 10.1016/J.EURCERAMSOC.2014.06.005

IF CITARE: 2.947

[26.7] Curecheriu, LP; Deluca, M; Mocanu, ZV; Pop, MV; Nica, V; Horchidan, N; Buscaglia, MT; Buscaglia, V; van Bael, M; Hardy, A; Mitoseriu, L, Investigation of the ferroelectric-relaxor crossover in Ce-doped BaTiO₃ ceramics by impedance spectroscopy and Raman study, PHASE TRANSIT, vol. 86(7), pp. 703-714, , (2013) 10.1080/01411594.2012.726730

IF CITARE: 1.044

autori=3 IF=2.546 UAIC I.1(ISI)=59.253 nr.citari=7 UAIC I.12 (Citari)=142.087

[27] Rotaru, A; Linares, J; Varret, F; Codjovi, E; Slimani, A; Tanasa, R; Enachescu, C; Stancu, A; Haasnoot, J, Pressure effect investigated with first-order reversal-curve method on the spin-transition compounds [Fe_xZn_{1-x}(btr)(2)(NCS)(2)]center dot H₂O (x=0.6,1), PHYS REV B, vol. 83(22), art.no. 224107, (2011) 10.1103/PHYSREVB.83.224107

[27.1] Diaconu, A; Lupu, SL; Rusu, I; Risca, IM; Salmon, L; Molnar, G; Bousseksou, A; Demont, P; Rotaru, A, Piezoresistive Effect in the [Fe(Htrz)(2)(trz)](BF₄) Spin Crossover Complex, J PHYS CHEM LETT, vol. 8(13), pp. 3147-3151, , (2017) 10.1021/ACS.JPCLETT.7B01111

IF CITARE: 9.353

[27.2] Hajlaoui, T; Josse, M; Harnagea, C; Pignolet, A, Tetragonal tungsten bronze Ba₂EuFeNb₄O₁₅-based composite thin films multiferroic at room temperature, MATER RES BULL, vol. 86, pp. 30-37, , (2017) 10.1016/J.MATERRESBULL.2016.10.004

IF CITARE: 2.446

[27.3] Gudyma, IV; Ivashko, VV, Spin-Crossover Molecular Solids Beyond Rigid Crystal Approximation, NANOSCALE RES LETT, vol. 11, art.no. 196, (2016) 10.1186/S11671-016-1398-5

IF CITARE: 2.833

[27.4] Linares, J; Jureschi, CM; Boulmaali, A; Boukheddaden, K, Matrix and size effects on the appearance of the thermal hysteresis in 2D spin crossover nanoparticles, PHYSICA B, vol. 486, pp. 164-168, , (2016) 10.1016/J.PHYSB.2015.09.048

IF CITARE: 1.386

[27.5] Jureschi, CM; Linares, J; Boulmaali, A; Dahoo, PR; Rotaru, A; Garcia, Y, Pressure and Temperature Sensors Using Two Spin Crossover Materials, SENSORS-BASEL, vol. 16(2), , (2016) 10.3390/S16020187

IF CITARE: 2.677

[27.6] Nica, M; Stancu, A, FORC diagram study of magnetostatic interactions in 2D longitudinal arrays of magnetic wires, PHYSICA B, vol. 475, pp. 73-79, , (2015) 10.1016/J.PHYSB.2015.07.001

IF CITARE: 1.352

[27.7] Dirtu, MM; Schmit, F; Naik, AD; Rusu, I; Rotaru, A; Rackwitz, S; Wolny, JA; Schunemann, V; Spinu, L; Garcia, Y, Two-Step Spin Transition in a 1D Fe-II 1,2,4-Triazole Chain Compound, CHEM-EUR J, vol. 21(15), pp. 5843-5855, , (2015) 10.1002/CHEM.201406231

IF CITARE: 5.771

[27.8] Gudyma, IV; Maksymov, AI; Ivashko, VV, Study of pressure influence on thermal transition in spin-crossover nanomaterials, NANOSCALE RES LETT, vol. 9, art.no. 691, (2014) 10.1186/1556-276X-9-691

IF CITARE: 2.779

[27.9] Jureschi, CM; Rusu, I; Codjovi, E; Linares, J; Garcia, Y; Rotaru, A, Thermo- and piezochromic properties of [Fe(hyptrz)]A(2)center dot H₂O spin crossover 1D coordination polymer: Towards spin crossover based temperature and pressure sensors, PHYSICA B, vol. 449, pp. 47-51, , (2014) 10.1016/J.PHYSB.2014.04.081

IF CITARE: 1.319

[27.10] Chiruta, D; Jureschi, CM; Linares, J; Garcia, Y; Rotaru, A, Lattice architecture effect on the cooperativity of spin transition coordination polymers, J APPL PHYS, vol. 115(5), art.no. 053523, (2014) 10.1063/1.4864035

IF CITARE: 2.183

[27.11] Apetrei, AM; Boukheddaden, K; Stancu, A, Dynamic phase transitions in the one-dimensional spin-phonon coupling model, PHYS REV B, vol. 87(1), art.no. 014302, (2013) 10.1103/PHYSREVB.87.014302

IF CITARE: 3.664

[27.12] Legrand, V; Pechev, S; Letard, JF; Guionneau, P, Synergy between polymorphism, pressure, spin-crossover and temperature in [Fe(PM-BiA)(2)(NCS)(2)]: a neutron powder diffraction investigation, PHYS CHEM CHEM PHYS, vol. 15(33), pp. 13872-13880, , (2013) 10.1039/C3CP51444G

IF CITARE: 4.198

[27.13] Rotaru, A; Graur, A; Rotaru, GM; Linares, J; Garcia, Y, Influence of intermolecular interactions and size effect on LITH-FORC diagram in 1D spin crossover compounds, J OPTOELECTRON ADV M, vol. 14(5-6), pp. 529-536, , (2012)

IF CITARE: 0.516

[27.14] Shepherd, HJ; Rosa, P; Vendier, L; Casati, N; Letard, JF; Bousseksou, A; Guionneau, P; Molnar, G, High-pressure spin-crossover in a dinuclear Fe(II) complex, PHYS CHEM CHEM PHYS, vol. 14(15), pp. 5265-5271, , (2012) 10.1039/C2CP23940J

IF CITARE: 3.829

[27.15] Rotaru, A; Varret, F; Gindulescu, A; Linares, J; Stancu, A; Letard, JF; Forestier, T; Etrillard, C, Size effect in spin-crossover systems investigated by FORC measurements, for surfacted [Fe(NH₂-trz)(3)](Br)(2)center dot 3H(2)O nanoparticles: reversible contributions and critical size, EUR PHYS J B, vol. 84(3), pp. 439-449, , (2011) 10.1140/EPJB/E2011-10903-X

IF CITARE: 1.534

[27.16] Rotaru, A; Lim, JH; Lenormand, D; Diaconu, A; Wiley, JB; Postolache, P; Stancu, A; Spinu, L, Interactions and reversal-field memory in complex magnetic nanowire arrays, PHYS REV B, vol. 84(13), art.no. 134431, (2011) 10.1103/PHYSREVB.84.134431

IF CITARE: 3.691

[27.17] Varret, F; Slimani, A; Boukheddaden, K; Chong, C; Mishra, H; Collet, E; Haasnoot, J; Pillet, S, The propagation of the thermal spin transition of [Fe(btr)(2)(NCS)(2)]center dot H₂O single crystals, observed by optical microscopy, NEW J CHEM, vol. 35(10), pp. 2333-2340, , (2011) 10.1039/C1NJ20332K

IF CITARE: 2.605

autori=9 IF=3.691 UAIC I.1(ISI)=27.384 nr.citari=17 UAIC I.12 (Citari)=134.747

[28] Enachescu, C; Stoleriu, L; Stancu, A; Hauser, A, Study of the relaxation in diluted spin crossover molecular magnets in the framework of the mechano-elastic model, J APPL PHYS, vol. 109(7), art.no. 07B111, (2011) 10.1063/1.3556702

[28.1] Jureschi, CM; Pottier, BL; Linares, J; Dahoo, PR; Alayli, Y; Rotaru, A, Simulation of multi-steps thermal transition in 2D spin-crossover nanoparticles, PHYSICA B, vol. 486, pp. 160-163, , (2016) 10.1016/J.PHYSB.2015.09.037

IF CITARE: 1.386

[28.2] Linares, J; Jureschi, CM; Boulmaali, A; Boukheddaden, K, Matrix and size effects on the appearance of the thermal hysteresis in 2D spin crossover nanoparticles, PHYSICA B, vol. 486, pp. 164-168, , (2016) 10.1016/J.PHYSB.2015.09.048

IF CITARE: 1.386

[28.3] Chiruta, D; Jureschi, CM; Linares, J; Nasser, J; Rotaru, A, Analysis of spin crossover nanochains using parabolic approximation in the framework of atom-phonon coupling model, PHYSICA B, vol. 476, pp. 61-70, , (2015) 10.1016/J.PHYSB.2015.06.024

IF CITARE: 1.352

[28.4] Chiruta, D; Linares, J; Dahoo, PR; Dimian, M, Analysis of hysteretic spin transition and size effect in 3D spin crossover compounds investigated by Monte Carlo Entropic sampling technique in the framework of the Ising-type model, J PHYS CONF SER, vol. 585, art.no. 012004, (2015) 10.1088/1742-6596/585/1/012004

IF CITARE: 0.000

[28.5] Chiruta, D; Linares, J; Dahoo, PR; Dimian, M, Influence of pressure and interactions strength on hysteretic behavior in two-dimensional polymeric spin crossover compounds, PHYSICA B, vol. 435, pp. 76-79, , (2014)

IF CITARE: 1.319

[28.6] Laosiritaworn, W; Laosiritaworn, Y, Artificial Neural Network modeling of spin-transition behavior in two-dimensional molecular magnet: The learning by experiences analysis, POLYHEDRON, vol. 66, pp. 108-115, , (2013) 10.1016/J.POLY.2013.02.071

IF CITARE: 2.047

[28.7] Laosiritaworn, Y, Role of reduced geometry on critical spin-crossover behavior in molecular magnet: Monte Carlo simulation, POLYHEDRON, vol. 66, pp. 129-135, , (2013) 10.1016/J.POLY.2013.03.011

IF CITARE: 2.047

[28.8] Chiruta, D; Linares, J; Dimian, M; Alayli, Y; Garcia, Y, Role of Edge Atoms in the Hysteretic Behaviour of 3D Spin Crossover Nanoparticles Revealed by an Ising-Like Model, EUR J INORG CHEM, vol. 2013(29), pp. 5086-5093, , (2013) 10.1002/EJIC.201300757

IF CITARE: 2.965

[28.9] Nicolazzi, W; Pavlik, J; Bedoui, S; Molnar, G; Bousseksou, A, Elastic Ising-like model for the nucleation and domain formation in spin crossover molecular solids, EUR PHYS J-SPEC TOP, vol. 222(5), pp. 1137-1159, , (2013) 10.1140/EPJST/E2013-01911-3

IF CITARE: 1.760

[28.10] Chiruta, D; Linares, J; Garcia, Y; Dahoo, PR; Dimian, M, Analysis of the Hysteretic Behaviour of 3D Spin Crossover Compounds by Using an Ising-Like Model, EUR J INORG CHEM, vol. 2013(21), pp. 3601-3608, , (2013) 10.1002/EJIC.201300412

IF CITARE: 2.965

[28.11] Chiruta, D; Linares, J; Dimian, M; Garcia, Y, Size Effect and Role of Short- and Long-Range Interactions on 1D Spin-Crossover Systems within the Framework of an Ising-Like Model, EUR J INORG CHEM, vol. (5-6), pp. 951-957, , (2013) 10.1002/EJIC.201201316

IF CITARE: 2.965

[28.12] Shang, R; Sun, X; Wang, ZM; Gao, S, Zinc-Diluted Magnetic Metal Formate Perovskites: Synthesis, Structures, and Magnetism of [CH₃NH₃][MnxZn1-x(HCOO)3] (x=0-1), CHEM-ASIAN J, vol. 7(7), pp. 1697-1707, , (2012) 10.1002/ASIA.201200139

IF CITARE: 4.572

autori=4 IF=2.168 UAIC I.1(IST)=38.770 nr.citari=12 UAIC I.12 (Citari)=153.820

[29] Krivokapic, I; Chakraborty, P; Enachescu, C; Bronisz, R; Hauser, A, Low-Spin -> High-Spin Relaxation Dynamics in the Highly Diluted Spin-Crossover System [FexZn1-x(bbtr)(3)](ClO4)(2), INORG CHEM, vol. 50(5), pp. 1856-1861, (2011) 10.1021/IC102269Y

[29.1] Petzold, H; Djomgoue, P; Horner, G; Heider, S; Lochenie, C; Weber, B; Ruffer, T; Schaarschmidt, D, Spin state variability in Fe²⁺ complexes of substituted (2-(pyridin-2-yl)-1,10-phenanthroline) ligands as versatile terpyridine analogues, DALTON T, vol. 46(19), pp. 6218-6229, , (2017) 10.1039/C7DT00422B

IF CITARE: 4.029

[29.2] Balde, C; Desplanches, C; Letard, JF; Chastanet, G, Effects of metal dilution on the spin-crossover behavior and light induced bistability of iron(II) in [FexNi(1-x)(bpp)(2)](NCS)(2), POLYHEDRON, vol. 123, pp. 138-144, , (2017) 10.1016/J.POLY.2016.08.046

IF CITARE: 1.926

[29.3] Qin, LF; Pang, CY; Han, WK; Zhang, FL; Tian, L; Gu, ZG; Ren, XH; Li, ZJ, Spin crossover properties of enantiomers, co-enantiomers, racemates, and co-racemates, DALTON T, vol. 45(17), pp. 7340-7348, , (2016) 10.1039/C6DT00210B

IF CITARE: 4.029

[29.4] Galve, NC; Coronado, E; Gimenez-Marques, M; Espallargas, GM, A Mixed-Ligand Approach for Spin-Crossover Modulation in a Linear Fe-II Coordination Polymer, INORG CHEM, vol. 53(9), pp. 4482-4490, , (2014) 10.1021/IC500141V

IF CITARE: 4.762

[29.5] Balde, C; Desplanches, C; Le Gac, F; Guionneau, P; Letarda, JF, The role of iron(II) dilution in the magnetic and photomagnetic properties of the series [FexZn1-x(bpp)(2)](NCSe)(2), DALTON T, vol. 43(21), pp. 7820-7829, , (2014) 10.1039/C3DT52964A

IF CITARE: 4.197

[29.6] Sang, XL; Zeng, CH; Wang, H, Noise-induced optical bistability and state transitions in spin-crossover solids with delayed feedback, EUR PHYS J B, vol. 86(5), art.no. 229, (2013) 10.1140/EPJB/E2013-40179-Y

IF CITARE: 1.463

[29.7] Zheng, SP; Sieger, MA; Costa, JS; Fu, WT; Bonnet, S, Effect of Metal Dilution on the Thermal Spin Transition of [FexZn1-x(bapbpy)(NCS)(2)], EUR J INORG CHEM, vol. (5-6), pp. 1033-1042, , (2013) 10.1002/EJIC.201201183

IF CITARE: 2.965

[29.8] Bouzaid, J; Schultz, M; Lao, Z; Bartley, J; Bostrom, T; McMurtrie, J, Supramolecular Selection in Molecular Alloys, CRYST GROWTH DES, vol. 12(8), pp. 3906-3916, , (2012) 10.1021/CG300320R

IF CITARE: 4.689

autori=5 IF=4.601 UAIC I.1(IST)=60.212 nr.citari=8 UAIC I.12 (Citari)=128.240

[30] Gudyma, I; Maksymov, A; Enachescu, C, Decay of a metastable high-spin state in spin-crossover compounds: mean first passage time analysis, EUR PHYS J B, vol. 78(2), pp. 167-172, (2010) 10.1140/EPJB/E2010-10036-X

[30.1] Gudyma, I; Maksymov, A; Dimian, M, Hysteretic behavior of spin-crossover noise driven system, PHYSICA B, vol. 486, pp. 44-47, , (2016) 10.1016/J.PHYSB.2016.01.019

IF CITARE: 1.386

[30.2] Gudyma, I; Maksymov, A, Phenomenological Models of Photoinduced Transition in Spin-Crossover Materials, SPRINGER PROC PHYS, vol. 183, pp. 49-66, , (2016) 10.1007/978-3-319-30737-4_6

IF CITARE: 0.000

[30.3] Gudyma, IV; Maksymov, A, Light-induced transition in spin-crossover compounds with correlated stochastic processes, PROC SPIE, vol. 9809, art.no. 98090R, (2015) 10.1117/12.2228171

IF CITARE: 0.000

[30.4] Gudyma, IV; Maksymov, AI; Ivashko, VV, Study of pressure influence on thermal transition in spin-crossover nanomaterials, NANOSCALE RES LETT, vol. 9, art.no. 691, (2014) 10.1186/1556-276X-9-691

IF CITARE: 2.779

[30.5] Gudyma, I; Maksymov, A; Dimian, M, Stochastic resonance in bistable spin-crossover compounds with light-induced transitions, PHYS REV E, vol. 90(5), art.no. 052135, (2014) 10.1103/PHYSREVE.90.052135

IF CITARE: 2.288

[30.6] Gudyma, I; Maksymov, A; Dimian, M, Stochastic kinetics of photoinduced phase transitions in spin-crossover solids, PHYS REV E, vol. 88(4), art.no. 042111, (2013) 10.1103/PHYSREVE.88.042111

IF CITARE: 2.326

[30.7] Sang, XL; Zeng, CH; Wang, H, Noise-induced optical bistability and state transitions in spin-crossover solids with delayed feedback, EUR PHYS J B, vol. 86(5), art.no. 229, (2013) 10.1140/EPJB/E2013-40179-Y

IF CITARE: 1.463

- [30.8] Gudyma, I; Maksymov, A, Optically induced switching in spin-crossover compounds: microscopic and macroscopic models and their relationship, APPL OPTICS, vol. 51(10), pp. C55-C61, , (2012) 10.1364/AO.51.000C55
IF CITARE: 1.689
- [30.9] Gudyma, I; Maksymov, A; Miyashita, S, Noise effects in a finite-size Ising-like model, PHYS REV E, vol. 84(3), art.no. 031126, (2011) 10.1103/PHYSREVE.84.031126
IF CITARE: 2.255
- [30.10] Gudyma, IV; Maksymov, AI, Theoretical analysis of photoinduced first order phase transition in spin-crossover complexes under noise action, PROC SPIE, vol. 8338, art.no. 83380T, (2011) 10.1117/12.917711
IF CITARE: 0.000
- autori=3 IF=1.575 UAIC I.1(ISI)=39.833 nr.citari=10 UAIC I.12 (Citari)=127.907
-
- [31] **Enachescu, C; Stoleriu, L; Stancu, A; Hauser, A, Competition between photoexcitation and relaxation in spin-crossover complexes in the frame of a mechanoelastic model, PHYS REV B, vol. 82(10), art.no. 104114, (2010) 10.1103/PHYSREVB.82.104114**
- [31.1] Nasser, JA; Chassagne, L; Topcu, S; Linares, J; Alayli, Y, Study of the atom-phonon coupling model for (SC) partition function: first order phase transition for an infinite linear chain, EUR PHYS J B, vol. 87(3), art.no. 69, (2014) 10.1140/EPJB/E2014-41039-0
IF CITARE: 1.345
- [31.2] Laosiritaworn, W; Laosiritaworn, Y, Artificial Neural Network modeling of spin-transition behavior in two-dimensional molecular magnet: The learning by experiences analysis, POLYHEDRON, vol. 66, pp. 108-115, , (2013) 10.1016/J.POLY.2013.02.071
IF CITARE: 2.047
- [31.3] Laosiritaworn, Y, Role of reduced geometry on critical spin-crossover behavior in molecular magnet: Monte Carlo simulation, POLYHEDRON, vol. 66, pp. 129-135, , (2013) 10.1016/J.POLY.2013.03.011
IF CITARE: 2.047
- [31.4] Gudyma, I; Maksymov, A; Dimian, M, Stochastic kinetics of photoinduced phase transitions in spin-crossover solids, PHYS REV E, vol. 88(4), art.no. 042111, (2013) 10.1103/PHYSREVE.88.042111
IF CITARE: 2.326
- [31.5] Nicolazzi, W; Pavlik, J; Bedoui, S; Molnar, G; Bousseksou, A, Elastic Ising-like model for the nucleation and domain formation in spin crossover molecular solids, EUR PHYS J-SPEC TOP, vol. 222(5), pp. 1137-1159, , (2013) 10.1140/EPJST/E2013-01911-3
IF CITARE: 1.760
- [31.6] Apetrei, AM; Boukheddaden, K; Stancu, A, Dynamic phase transitions in the one-dimensional spin-phonon coupling model, PHYS REV B, vol. 87(1), art.no. 014302, (2013) 10.1103/PHYSREVB.87.014302
IF CITARE: 3.664
- [31.7] Rotaru, A; Graur, A; Rotaru, GM; Linares, J; Garcia, Y, Influence of intermolecular interactions and size effect on LITH-FORC diagram in 1D spin crossover compounds, J OPTOELECTRON ADV M, vol. 14(5-6), pp. 529-536, , (2012)
IF CITARE: 0.516
- [31.8] Fedin, MV; Maryunina, KY; Sagdeev, RZ; Ovcharenko, VI; Bagryanskaya, EG, Self-Decelerating Relaxation of the Light-Induced Spin States in Molecular Magnets Cu(hfac)(2)L-R Studied by Electron Paramagnetic Resonance, INORG CHEM, vol. 51(1), pp. 709-717, , (2012) 10.1021/IC202248V
IF CITARE: 4.593
- autori=4 IF=3.774 UAIC I.1(ISI)=62.860 nr.citari=8 UAIC I.12 (Citari)=111.490
-
- [32] **Apetrei, AM; Enachescu, C; Tanasa, R; Stoleriu, L; Stancu, A, Monte Carlo simulations of phase transitions and lattice dynamics in an atom-phonon model for spin transition compounds, PHYSICA B, vol. 405(17), pp. 3673-3678, (2010) 10.1016/J.PHYSB.2010.05.063**
- [32.1] Nasser, JA; Chassagne, L; Topcu, S; Linares, J; Alayli, Y, Study of the atom-phonon coupling model for (SC) partition function: first order phase transition for an infinite linear chain, EUR PHYS J B, vol. 87(3), art.no. 69, (2014) 10.1140/EPJB/E2014-41039-0
IF CITARE: 1.345
- [32.2] Apetrei, AM; Boukheddaden, K; Stancu, A, Dynamic phase transitions in the one-dimensional spin-phonon coupling model, PHYS REV B, vol. 87(1), art.no. 014302, (2013) 10.1103/PHYSREVB.87.014302
IF CITARE: 3.664
- autori=5 IF=0.856 UAIC I.1(ISI)=15.272 nr.citari=2 UAIC I.12 (Citari)=24.036
-
- [33] **Nishino, M; Enachescu, C; Miyashita, S; Boukheddaden, K; Varret, F, Intrinsic effects of the boundary condition on switching processes in effective long-range interactions originating from local structural change, PHYS REV B, vol. 82(2), art.no. 020409, (2010) 10.1103/PHYSREVB.82.020409**
- [33.1] Traiche, R; Oubouchou, H; Zergoug, M; Boukheddaden, K, Spatio-temporal aspects of the domain propagation in a spin-crossover lattice with defect, PHYSICA B, vol. 516, pp. 77-84, , (2017) 10.1016/J.PHYSB.2017.04.026
IF CITARE: 1.386
- [33.2] Hernandez, EM; Zheng, SP; Shepherd, HJ; Yufit, DS; Ridier, K; Bedoui, S; Nicolazzi, W; Velazquez, V; Bonnet, S; Molnar, G; Bousseksou, A, Spatially Resolved Investigation and Control of the Bistability in Single Crystals of the [Fe(bbpy)₂(NCS)₂] Spin Crossover Complex, J PHYS CHEM C, vol. 120(48), pp. 27608-27617, , (2016) 10.1021/ACS.JPCC.6B10258
IF CITARE: 4.536
- [33.3] Paez-Espejo, M; Sy, M; Boukheddaden, K, Elastic Frustration Causing Two-Step and Multistep Transitions in Spin-Crossover Solids: Emergence of Complex Antiferroelastic Structures, J AM CHEM SOC, vol. 138(9), pp. 3202-3210, , (2016) 10.1021/JACS.6B00049
IF CITARE: 13.858
- [33.4] Chiruta, D; Jureschi, CM; Linares, J; Nasser, J; Rotaru, A, Analysis of spin crossover nanochains using parabolic approximation in the framework of atom-phonon coupling model, PHYSICA B, vol. 476, pp. 61-70, , (2015) 10.1016/J.PHYSB.2015.06.024
IF CITARE: 1.352
- [33.5] Paradis, N; Chastanet, G; Palamarcu, T; Rosa, P; Varret, F; Boukheddaden, K; Letard, JF, Detailed Investigation of the Interplay Between the Thermal Decay of the Low Temperature Metastable HS State and the Thermal Hysteresis of Spin-Crossover Solids, J PHYS CHEM C, vol. 119(34), pp. 20039-20050, , (2015) 10.1021/ACS.JPCC.5B03680
IF CITARE: 4.509
- [33.6] Slimani, A; Boukheddaden, K; Yamashita, K, Effect of intermolecular interactions on the nucleation, growth, and propagation of like-spin domains in spin-crossover materials, PHYS REV B, vol. 92(1), art.no. 014111, (2015) 10.1103/PHYSREVB.92.014111
IF CITARE: 3.718
- [33.7] Fedin, MV; Veber, SL; Bagryanskaya, EG; Romanenko, GV; Ovcharenko, VI, Spatial distribution of phases during gradual magnetostructural transitions in copper(II)-nitroxide based molecular magnets, DALTON T, vol. 44(43), pp. 18823-18830, , (2015) 10.1039/C5DT03441H
IF CITARE: 4.177
- [33.8] Slimani, A; Boukheddaden, K; Yamashita, K, Thermal spin transition of circularly shaped nanoparticles in a core-shell structure investigated with an electroelastic model, PHYS REV B, vol. 89(21), art.no. 214109, (2014) 10.1103/PHYSREVB.89.214109
IF CITARE: 3.736
- [33.9] Chiruta, D; Linares, J; Dahoo, PR; Dimian, M, Influence of pressure and interactions strength on hysteretic behavior in two-dimensional polymeric spin crossover compounds, PHYSICA B, vol. 435, pp. 76-79, , (2014)
IF CITARE: 1.319

- [33.10] Paez-Espejo, M; Sy, M; Varret, F; Boukheddaden, K, Quantitative macroscopic treatment of the spatiotemporal properties of spin crossover solids based on a reaction diffusion equation, *PHYS REV B*, vol. 89(2), art.no. 024306, (2014) 10.1103/PHYSREVB.89.024306
IF CITARE: 3.736
- [33.11] Slimani, A; Boukheddaden, K; Varret, F; Nishino, M; Miyashita, S, Properties of the low-spin high-spin interface during the relaxation of spin-crossover materials, investigated through an electro-elastic model, *J CHEM PHYS*, vol. 139(19), art.no. 194706, (2013) 10.1063/1.4829462
IF CITARE: 3.122
- [33.12] Boukheddaden, K, Monte Carlo investigations on surface elastic energy of spin-crossover solids: Direct access to image pressure and the Eshelby constant, *PHYS REV B*, vol. 88(13), art.no. 134105, (2013) 10.1103/PHYSREVB.88.134105
IF CITARE: 3.664
- [33.13] Chiruta, D; Linares, J; Dimian, M; Alayli, Y; Garcia, Y, Role of Edge Atoms in the Hysteretic Behaviour of 3D Spin Crossover Nanoparticles Revealed by an Ising-Like Model, *EUR J INORG CHEM*, vol. 2013(29), pp. 5086-5093, , (2013) 10.1002/EJIC.201300757
IF CITARE: 2.965
- [33.14] Nicolazzi, W; Pavlik, J; Bedoui, S; Molnar, G; Bousseksou, A, Elastic Ising-like model for the nucleation and domain formation in spin crossover molecular solids, *EUR PHYS J-SPEC TOP*, vol. 222(5), pp. 1137-1159, , (2013) 10.1140/EPJST/E2013-01911-3
IF CITARE: 1.760
- [33.15] Chiruta, D; Linares, J; Garcia, Y; Dahoo, PR; Dimian, M, Analysis of the Hysteretic Behaviour of 3D Spin Crossover Compounds by Using an Ising-Like Model, *EUR J INORG CHEM*, vol. 2013(21), pp. 3601-3608, , (2013) 10.1002/EJIC.201300412
IF CITARE: 2.965
- [33.16] Oubouchou, H; Slimani, A; Boukheddaden, K, Interplay between elastic interactions in a core-shell model for spin-crossover nanoparticles, *PHYS REV B*, vol. 87(10), art.no. 104104, (2013) 10.1103/PHYSREVB.87.104104
IF CITARE: 3.664
- [33.17] Chiruta, D; Linares, J; Dimian, M; Garcia, Y, Size Effect and Role of Short- and Long-Range Interactions on 1D Spin-Crossover Systems within the Framework of an Ising-Like Model, *EUR J INORG CHEM*, vol. (5-6), pp. 951-957, , (2013) 10.1002/EJIC.201201316
IF CITARE: 2.965
- [33.18] Slimani, A; Boukheddaden, K; Varret, F; Oubouchou, H; Nishino, M; Miyashita, S, Microscopic spin-distortion model for switchable molecular solids: Spatiotemporal study of the deformation field and local stress at the thermal spin transition, *PHYS REV B*, vol. 87(1), art.no. 014111, (2013) 10.1103/PHYSREVB.87.014111
IF CITARE: 3.664
- [33.19] Apetrei, AM; Boukheddaden, K; Stancu, A, Dynamic phase transitions in the one-dimensional spin-phonon coupling model, *PHYS REV B*, vol. 87(1), art.no. 014302, (2013) 10.1103/PHYSREVB.87.014302
IF CITARE: 3.664
- [33.20] Nicolazzi, W; Pillet, S, Structural aspects of the relaxation process in spin crossover solids: Phase separation, mapping of lattice strain, and domain wall structure, *PHYS REV B*, vol. 85(9), art.no. 094101, (2012) 10.1103/PHYSREVB.85.094101
IF CITARE: 3.767
- [33.21] Nakada, T; Mori, T; Miyashita, S; Nishino, M; Todo, S; Nicolazzi, W; Rikvold, PA, Critical temperature and correlation length of an elastic interaction model for spin-crossover materials, *PHYS REV B*, vol. 85(5), art.no. 054408, (2012) 10.1103/PHYSREVB.85.054408
IF CITARE: 3.767
- [33.22] Asahara, A; Nakajima, M; Fukaya, R; Tokoro, H; Ohkoshi, S; Suemoto, T, Growth Dynamics of Photoinduced Phase Domain in Cyano-Complex Studied by Boundary Sensitive Raman Spectroscopy, *ACTA PHYS POL A*, vol. 121(2), pp. 375-378, , (2012)
IF CITARE: 0.531
- [33.23] Slimani, A; Varret, F; Boukheddaden, K; Chong, C; Mishra, H; Haasnoot, J; Pillet, S, Visualization and quantitative analysis of spatiotemporal behavior in a first-order thermal spin transition: A stress-driven multiscale process, *PHYS REV B*, vol. 84(9), art.no. 094442, (2011) 10.1103/PHYSREVB.84.094442
IF CITARE: 3.691
- [33.24] Nakada, T; Rikvold, PA; Mori, T; Nishino, M; Miyashita, S, Crossover between a short-range and a long-range Ising model, *PHYS REV B*, vol. 84(5), art.no. 054433, (2011) 10.1103/PHYSREVB.84.054433
IF CITARE: 3.691
- [33.25] Bousseksou, A; Molnar, G; Salmon, L; Nicolazzi, W, Molecular spin crossover phenomenon: recent achievements and prospects, *CHEM SOC REV*, vol. 40(6), pp. 3313-3335, , (2011) 10.1039/C1CS15042A
IF CITARE: 28.760
- autori=5 IF=3.774 UAIC I.1(ISI)=50.288 nr.citari=25 UAIC I.12 (Citari)=509.868
-
- [34] **Enachescu, C; Nishino, M; Miyashita, S; Hauser, A; Stancu, A; Stoleriu, L, Cluster evolution in spin crossover systems observed in the frame of a mechano-elastic model, *EPL-EUROPHYS LETT*, vol. 91(2), art.no. 27003, (2010) 10.1209/0295-5075/91/27003**
- [34.1] Gudyma, I; Maksymov, A, Reprint of "Surface-environment effects in spin crossover solids", *APPL SURF SCI*, vol. 424, pp. 258-263, , (2017) 10.1016/J.APSUSC.2017.05.247
IF CITARE: 3.387
- [34.2] Taniguchi, D; Okabayashi, J; Hotta, C, Pressure-induced two-step spin crossover in a double-layered elastic model, *PHYS REV B*, vol. 96(17), art.no. 174104, (2017) 10.1103/PHYSREVB.96.174104
IF CITARE: 3.836
- [34.3] Nishino, M; Miyashita, S; Rikvold, PA, Nontrivial phase diagram for an elastic interaction model of spin crossover materials with antiferromagnetic-like short-range interactions, *PHYS REV B*, vol. 96(14), art.no. 144425, (2017) 10.1103/PHYSREVB.96.144425
IF CITARE: 3.836
- [34.4] Gudyma, I; Maksymov, A, Surface-environment effects in spin crossover solids, *APPL SURF SCI*, vol. 407, pp. 93-98, , (2017) 10.1016/J.APSUSC.2017.02.124
IF CITARE: 3.387
- [34.5] Nishino, M; Miyashita, S, Anomalous finite-size effect due to quasidegenerate phases in triangular antiferromagnets with long-range interactions and mapping to the generalized six-state clock model, *PHYS REV B*, vol. 94(18), art.no. 184434, (2016) 10.1103/PHYSREVB.94.184434
IF CITARE: 3.836
- [34.6] Paez-Espejo, M; Sy, M; Boukheddaden, K, Elastic Frustration Causing Two-Step and Multistep Transitions in Spin-Crossover Solids: Emergence of Complex Antiferroelastic Structures, *J AM CHEM SOC*, vol. 138(9), pp. 3202-3210, , (2016) 10.1021/JACS.6B00049
IF CITARE: 13.858
- [34.7] Itoi, M; Jike, T; Nishio-Hamane, D; Udagawa, S; Tsuda, T; Kuwabata, S; Boukheddaden, K; Andrus, MJ; Talham, DR, Direct Observation of Short-Range Structural Coherence During a Charge Transfer Induced Spin Transition in a CoFe Prussian Blue Analogue by Transmission Electron Microscopy, *J AM CHEM SOC*, vol. 137(46), pp. 14686-14693, , (2015) 10.1021/JACS.5B08242
IF CITARE: 13.038
- [34.8] Slimani, A; Boukheddaden, K; Yamashita, K, Effect of intermolecular interactions on the nucleation, growth, and propagation of like-spin domains in spin-crossover materials, *PHYS REV B*, vol. 92(1), art.no. 014111, (2015) 10.1103/PHYSREVB.92.014111
IF CITARE: 3.718
- [34.9] Oke, TD; Hontinfinde, F; Boukheddaden, K, Bethe lattice approach and relaxation dynamics study of spin-crossover materials, *APPL PHYS A-MATER*, vol. 120(1), pp. 309-320, , (2015) 10.1007/S00339-015-9189-X

IF CITARE: 1.444

[34.10] Chiruta, D; Linares, J; Dahoo, PR; Dimian, M, Analysis of hysteretic spin transition and size effect in 3D spin crossover compounds investigated by Monte Carlo Entropic sampling technique in the framework of the Ising-type model, J PHYS CONF SER, vol. 585, art.no. 012004, (2015) 10.1088/1742-6596/585/1/012004

IF CITARE: 0.000

[34.11] Paez-Espejo, M; Sy, M; Varret, F; Boukheddaden, K, Quantitative macroscopic treatment of the spatiotemporal properties of spin crossover solids based on a reaction diffusion equation, PHYS REV B, vol. 89(2), art.no. 024306, (2014) 10.1103/PHYSREVB.89.024306

IF CITARE: 3.736

[34.12] Laosiritaworn, W; Laosiritaworn, Y, Artificial Neural Network modeling of spin-transition behavior in two-dimensional molecular magnet: The learning by experiences analysis, POLYHEDRON, vol. 66, pp. 108-115, , (2013) 10.1016/J.POLY.2013.02.071

IF CITARE: 2.047

[34.13] Laosiritaworn, Y, Role of reduced geometry on critical spin-crossover behavior in molecular magnet: Monte Carlo simulation, POLYHEDRON, vol. 66, pp. 129-135, , (2013) 10.1016/J.POLY.2013.03.011

IF CITARE: 2.047

[34.14] Slimani, A; Boukheddaden, K; Varret, F; Nishino, M; Miyashita, S, Properties of the low-spin high-spin interface during the relaxation of spin-crossover materials, investigated through an electro-elastic model, J CHEM PHYS, vol. 139(19), art.no. 194706, (2013) 10.1063/1.4829462

IF CITARE: 3.122

[34.15] Boukheddaden, K, Monte Carlo investigations on surface elastic energy of spin-crossover solids: Direct access to image pressure and the Eshelby constant, PHYS REV B, vol. 88(13), art.no. 134105, (2013) 10.1103/PHYSREVB.88.134105

IF CITARE: 3.664

[34.16] Nishino, M; Miyashita, S, Effect of the short-range interaction on critical phenomena in elastic interaction systems, PHYS REV B, vol. 88(1), art.no. 014108, (2013) 10.1103/PHYSREVB.88.014108

IF CITARE: 3.664

[34.17] Boukheddaden, K; Bailly-Reyre, A, Towards the elastic properties of 3D spin-crossover thin films: Evidence of buckling effects, EPL-EUROPHYS LETT, vol. 103(2), art.no. 26005, (2013) 10.1209/0295-5075/103/26005

IF CITARE: 2.269

[34.18] Nicolazzi, W; Pavlik, J; Bedoui, S; Molnar, G; Bousseksou, A, Elastic Ising-like model for the nucleation and domain formation in spin crossover molecular solids, EUR PHYS J-SPEC TOP, vol. 222(5), pp. 1137-1159, , (2013) 10.1140/EPJST/E2013-01911-3

IF CITARE: 1.760

[34.19] Oke, TD; Hontinfinde, F; Boukheddaden, K, Interplay between spin-crossover and magnetic interactions in a BEG model, EUR PHYS J B, vol. 86(6), art.no. 271, (2013) 10.1140/EPJB/E2013-30801-5

IF CITARE: 1.463

[34.20] Oubouchou, H; Slimani, A; Boukheddaden, K, Interplay between elastic interactions in a core-shell model for spin-crossover nanoparticles, PHYS REV B, vol. 87(10), art.no. 104104, (2013) 10.1103/PHYSREVB.87.104104

IF CITARE: 3.664

[34.21] Pavlik, J; Boca, R, Established Static Models of Spin Crossover, EUR J INORG CHEM, vol. (5-6), pp. 697-709, , (2013) 10.1002/EJIC.201201082

IF CITARE: 2.965

[34.22] Boukheddaden, K, Static and Dynamical Aspects of a Phonon-Induced Spin-Crossover Transition - Local Equilibrium Approach, EUR J INORG CHEM, vol. (5-6), pp. 865-874, , (2013) 10.1002/EJIC.201201093

IF CITARE: 2.965

[34.23] Bialonska, A; Bronisz, R; Kusz, J; Weselski, M; Zubko, M, How Nonequivalency of the Flexibility of the Ligand Bridges Leads to Anisotropy of Perturbation Transmission in a 3D Spin-Crossover Coordination Network, EUR J INORG CHEM, vol. (5-6), pp. 875-883, , (2013) 10.1002/EJIC.201200645

IF CITARE: 2.965

[34.24] Slimani, A; Boukheddaden, K; Varret, F; Oubouchou, H; Nishino, M; Miyashita, S, Microscopic spin-distortion model for switchable molecular solids: Spatiotemporal study of the deformation field and local stress at the thermal spin transition, PHYS REV B, vol. 87(1), art.no. 014111, (2013) 10.1103/PHYSREVB.87.014111

IF CITARE: 3.664

[34.25] Morozov, VA, Cooperative spin-crossover-like transitions in the inhomogeneous chain of exchange clusters, PHYS CHEM CHEM PHYS, vol. 15(24), pp. 9931-9939, , (2013) 10.1039/C3CP50689D

IF CITARE: 4.198

[34.26] Nicolazzi, W; Pillet, S, Structural aspects of the relaxation process in spin crossover solids: Phase separation, mapping of lattice strain, and domain wall structure, PHYS REV B, vol. 85(9), art.no. 094101, (2012) 10.1103/PHYSREVB.85.094101

IF CITARE: 3.767

[34.27] Bialonska, A; Bronisz, R; Rudolf, MF; Weselski, M, HS reversible arrow LS Transition in Iron(II) Two-Dimensional Coordination Networks Containing Tris(tetrazol-1-ylmethyl)methane As Triconnected Building Block, INORG CHEM, vol. 51(1), pp. 237-245, , (2012) 10.1021/IC201535X

IF CITARE: 4.593

[34.28] Tissot, A; Rechinat, L; Bousseksou, A; Boillot, ML, Micro- and nanocrystals of the iron(III) spin-transition material [Fe-III(3-MeO-SalEen)(2)]PF6, J MATER CHEM, vol. 22(8), pp. 3411-3419, , (2012) 10.1039/C2JM14913C

IF CITARE: 6.108

[34.29] Rotaru, A; Varret, F; Gindulescu, A; Linares, J; Stancu, A; Letard, JF; Forestier, T; Etrillard, C, Size effect in spin-crossover systems investigated by FORC measurements, for surfacted [Fe(NH2-trz)(3)](Br)(2)center dot 3H(2)O nanoparticles: reversible contributions and critical size, EUR PHYS J B, vol. 84(3), pp. 439-449, , (2011) 10.1140/EPJB/E2011-10903-X

IF CITARE: 1.534

autori=6 IF=2.753 UAIC I.1(ISI)=31.697 nr.citari=29 UAIC I.12 (Citari)=416.783

[35] Enachescu, C; Dobrinescu, A; Stancu, A, Single-domain particle hysteresis for a Random Anisotropy Ising System with exchange and magnetostatic interactions, J MAGN MAGN MATER, vol. 322(9-12), pp. 1368-1372, (2010) 10.1016/J.JMMM.2009.07.062

[35.1] Rotaescu, C; Petrila, I; Stancu, A, Cluster analysis of an Ising-Preisach interacting particle system, PHYSICA B, vol. 406(11), pp. 2177-2181, , (2011) 10.1016/J.PHYSB.2011.03.026

IF CITARE: 1.063

autori=3 IF=1.690 UAIC I.1(ISI)=42.133 nr.citari=1 UAIC I.12 (Citari)=10.420

[36] Krivokapic, I; Chakraborty, P; Bronisz, R; Enachescu, C; Hauser, A, Significant Variation of the Singlet-Quintet Intersystem Crossing Rate Constant in an Iron(II) High-Spin Complex as a Function of Temperature, ANGEW CHEM INT EDIT, vol. 49(45), pp. 8509-8512, (2010) 10.1002/ANIE.201004500

[36.1] Park, ST; van der Veen, RM, Modeling nonequilibrium dynamics of phase transitions at the nanoscale: Application to spin-crossover, STRUCT DYNAM-US, vol. 4(4), art.no. 044028, (2017) 10.1063/1.4985058

IF CITARE: 2.968

[36.2] Bertoni, R; Lorenc, M; Tissot, A; Boillot, ML; Collet, E, Femtosecond photoswitching dynamics and microsecond thermal conversion driven by laser heating in Fe-III spin-crossover solids, COORDIN CHEM REV, vol. 282, pp. 66-76, , (2015) 10.1016/J.CCR.2014.05.024

IF CITARE: 12.994

- [36.3] Bialonska, A; Bronisz, R; Baranowski, L, 1D Spin-Crossover Networks Containing a Fe-II(1,2,3-triazol-1-yl)(4)(CH₃CN)(2)-Type Core, EUR J INORG CHEM, vol. (5-6), pp. 720-724, , (2013) 10.1002/EJIC.201201115
IF CITARE: 2.965
- [36.4] Stock, P; Pedzinski, T; Spintig, N; Grohmann, A; Horner, G, High Intrinsic Barriers against Spin-State Relaxation in Iron(II)-Complex Solutions, CHEM-EUR J, vol. 19(3), pp. 839-842, , (2013) 10.1002/CHEM.201203784
IF CITARE: 5.696
- [36.5] Chakraborty, P; Bronisz, R; Besnard, C; Guenee, L; Pattison, P; Hauser, A, Persistent Bidirectional Optical Switching in the 2D High-Spin Polymer {[Fe(bbtr(3))](BF₄)(2))}(infinity), J AM CHEM SOC, vol. 134(9), pp. 4049-4052, , (2012) 10.1021/JA211897T
IF CITARE: 10.677
- [36.6] Bousseksou, A; Molnar, G; Salmon, L; Nicolazzi, W, Molecular spin crossover phenomenon: recent achievements and prospects, CHEM SOC REV, vol. 40(6), pp. 3313-3335, , (2011) 10.1039/C1CS15042A
IF CITARE: 28.760
- autori=5 IF=12.730 UAIC I.1(ISI)=157.760 nr.citari=6 UAIC I.12 (Citari)=268.240
-
- [37] Dobrinescu, A; Enachescu, C; Stancu, A, Ising-like model study of size dependence relaxation in spin crossover complexes, J MAGN MAGN MATER, vol. 321(24), pp. 4132-4138, (2009) 10.1016/J.JMMM.2009.08.017
- [37.1] Nesterov, AI; Orlov, YS; Ovchinnikov, SG; Nikolaev, SV, Cooperative phenomena in spin crossover systems, PHYS REV B, vol. 96(13), art.no. 134103, (2017) 10.1103/PHYSREVB.96.134103
IF CITARE: 3.836
- [37.2] Shelest, VV; Khristov, AV; Levchenko, GG, The role of anharmonicity in the systems with spin crossover, LOW TEMP PHYS+, vol. 42(6), pp. 505-512, , (2016) 10.1063/1.4954782
IF CITARE: 0.804
- [37.3] Tissot, A, Photoswitchable spin crossover nanoparticles, NEW J CHEM, vol. 38(5), pp. 1840-1845, , (2014) 10.1039/C3NJ01255G
IF CITARE: 3.086
- [37.4] Morozov, VA, Cooperative spin-crossover-like transitions in the inhomogeneous chain of exchange clusters, PHYS CHEM CHEM PHYS, vol. 15(24), pp. 9931-9939, , (2013) 10.1039/C3CP50689D
IF CITARE: 4.198
- [37.5] Bousseksou, A; Molnar, G; Salmon, L; Nicolazzi, W, Molecular spin crossover phenomenon: recent achievements and prospects, CHEM SOC REV, vol. 40(6), pp. 3313-3335, , (2011) 10.1039/C1CS15042A
IF CITARE: 28.760
- [37.6] Gudyma, IV; Maksymov, AI, Theoretical analysis of the states of spin-crossover solids under cross-correlated noises, PHYSICA B, vol. 405(11), pp. 2534-2537, , (2010) 10.1016/J.PHYSB.2010.03.025
IF CITARE: 0.856
- [37.7] Morozov, V; Lukzen, N; Ovcharenko, V, Spin crossover in an elastic chain of exchange clusters beyond mean field approximation, PHYS CHEM CHEM PHYS, vol. 12(41), pp. 13667-13673, , (2010) 10.1039/C004287K
IF CITARE: 3.454
- autori=3 IF=1.204 UAIC I.1(ISI)=32.413 nr.citari=7 UAIC I.12 (Citari)=323.293
-
- [38] Rotaru, A; Dirtu, MM; Enachescu, C; Tanasa, R; Linares, J; Stancu, A; Garcia, Y, Calorimetric measurements of diluted spin crossover complexes [Fe_xM_{1-x}(btr)(2)(NCS)(2)]center dot H₂O with M-II = Zn and Ni, POLYHEDRON, vol. 28(13), pp. 2531-2536, (2009) 10.1016/J.POLY.2009.04.046
- [38.1] Adarsh, NN; Dirtu, MM; Rotaru, A; Garcia, Y, Fe-57 Mossbauer spectroscopy study of a 2D spin transition coordination polymer built from a tris-1R-tetrazole ligand, HYPERFINE INTERACT, vol. 238, art.no. 60, (2017) 10.1007/S10751-017-1431-9
IF CITARE: 0.000
- [38.2] Dirtu, MM; Naik, AD; Rotaru, A; Spinu, L; Poelman, D; Garcia, Y, Fe-II Spin Transition Materials Including an Amino-Ester 1,2,4-Triazole Derivative, Operating at, below, and above Room Temperature, INORG CHEM, vol. 55(9), pp. 4278-4295, , (2016) 10.1021/ACS.INORGCHEM.6B00015
IF CITARE: 4.857
- [38.3] Jureschi, CM; Linares, J; Boulmaali, A; Dahoo, PR; Rotaru, A; Garcia, Y, Pressure and Temperature Sensors Using Two Spin Crossover Materials, SENSORS-BASEL, vol. 16(2), , (2016) 10.3390/S16020187
IF CITARE: 2.677
- [38.4] Lefter, C; Tricard, S; Peng, HN; Molnar, G; Salmon, L; Demont, P; Rotaru, A; Bousseksou, A, Metal Substitution Effects on the Charge Transport and Spin Crossover Properties of [Fe_{1-x}Zn_x(Htrz)(2)(trz)](BF₄) (trz = Triazole), J PHYS CHEM C, vol. 119(16), pp. 8522-8529, , (2015) 10.1021/ACS.JPCC.5B01117
IF CITARE: 4.509
- [38.5] Dirtu, MM; Schmit, F; Naik, AD; Rusu, I; Rotaru, A; Rackwitz, S; Wolny, JA; Schunemann, V; Spinu, L; Garcia, Y, Two-Step Spin Transition in a 1D Fe-II 1,2,4-Triazole Chain Compound, CHEM-EUR J, vol. 21(15), pp. 5843-5855, , (2015) 10.1002/CHEM.201406231
IF CITARE: 5.771
- [38.6] Jureschi, CM; Linares, J; Rotaru, A; Ritti, MH; Parlier, M; Dirtu, MM; Wolff, M; Garcia, Y, Pressure Sensor via Optical Detection Based on a 1D Spin Transition Coordination Polymer, SENSORS-BASEL, vol. 15(2), pp. 2388-2398, , (2015) 10.3390/S150202388
IF CITARE: 2.033
- [38.7] Lochenie, C; Bauer, W; Railliet, AP; Schlamp, S; Garcia, Y; Weber, B, Large Thermal Hysteresis for Iron(II) Spin Crossover Complexes with N-(Pyrid-4-yl)isonicotinamide, INORG CHEM, vol. 53(21), pp. 11563-11572, , (2014) 10.1021/IC501624B
IF CITARE: 4.762
- [38.8] Chiruta, D; Jureschi, CM; Linares, J; Gaur, A; Dimian, M; Rotaru, A, Analysis of Architecture Effect on Hysteretic Behavior of 3-D Spin Crossover Nanostructures, IEEE T MAGN, vol. 50(11), art.no. 2900404, (2014) 10.1109/TMAG.2014.2322878
IF CITARE: 1.386
- [38.9] Slimani, A; Yu, XF; Muraoka, A; Boulchedaden, K; Yamashita, K, Reparametrization Approach of DFT Functionals Based on the Equilibrium Temperature of Spin-Crossover Compounds, J PHYS CHEM A, vol. 118(39), pp. 9005-9012, , (2014) 10.1021/JP501943H
IF CITARE: 2.693
- [38.10] Chiruta, D; Jureschi, CM; Linares, J; Garcia, Y; Rotaru, A, Lattice architecture effect on the cooperativity of spin transition coordination polymers, J APPL PHYS, vol. 115(5), art.no. 053523, (2014) 10.1063/1.4864035
IF CITARE: 2.183
- [38.11] Zheng, SP; Sieger, MA; Costa, JS; Fu, WT; Bonnet, S, Effect of Metal Dilution on the Thermal Spin Transition of [Fe_xZn_{1-x}(bapbpy)(NCS)(2)], EUR J INORG CHEM, vol. (5-6), pp. 1033-1042, , (2013) 10.1002/EJIC.201201183
IF CITARE: 2.965
- [38.12] Bauer, W; Dirtu, MM; Garcia, Y; Weber, B, Iron(II) spin transition coordination polymers with a zigzag structure, CRYSTENGCOMM, vol. 14(4), pp. 1223-1231, , (2012) 10.1039/C2CE06253D
IF CITARE: 3.879
- [38.13] Dirtu, MM; Schmit, F; Naik, AD; Rotaru, A; Marchand-Brynaert, J; Garcia, Y, Spin Transition Sensors Based on beta-Amino-Acid 1,2,4-Triazole Derivative, INT J MOL SCI, vol. 12(8), pp. 5339-5351, , (2011) 10.3390/IJMS12085339
IF CITARE: 2.598

- [38.14] Weber, B; Bauer, W; Pfaffeneder, T; Dirtu, MM; Naik, AD; Rotaru, A; Garcia, Y, Influence of Hydrogen Bonding on the Hysteresis Width in Iron(II) Spin-Crossover Complexes, *EUR J INORG CHEM*, vol. (21), pp. 3193-3206, , (2011) 10.1002/EJIC.201100394
IF CITARE: 3.049
- [38.15] Kusz, J; Bronisz, R; Zubko, M; Bednarek, G, On the Role of Intermolecular Interactions on Structural and Spin-Crossover Properties of 2D Coordination Networks [Fe(bbtr)(3)]A(2) (bbtr=1,4-bis(1,2,3-triazol-1-yl)butane; A = ClO₄⁻, BF₄⁻), *CHEM-EUR J*, vol. 17(24), pp. 6807-6820, , (2011) 10.1002/CHEM.201100394
IF CITARE: 5.925
- [38.16] Dirtu, MM; Neuhausen, C; Naik, AD; Rotaru, A; Spinu, L; Garcia, Y, Insights into the Origin of Cooperative Effects in the Spin Transition of [Fe(NH(2)trz)(3)](NO₃)(2): the Role of Supramolecular Interactions Evidenced in the Crystal Structure of [Cu(NH(2)trz)(3)](NO₃)(2)center dot H₂O, *INORG CHEM*, vol. 49(12), pp. 5723-5736, , (2010) 10.1021/IC100667F
IF CITARE: 4.326
- [38.17] Kitchen, JA; Brooker, S, Two dicobalt(III) complexes of triazolate-containing [2+2] Schiff-base macrocycles coordinate thiocyanate ions via the sulfur atom, *DALTON T*, vol. 39(14), pp. 3358-3360, , (2010) 10.1039/B925745D
IF CITARE: 3.647
- [38.18] Dirtu, MM; Rotaru, A; Gillard, D; Linares, J; Codjovi, E; Tinant, B; Garcia, Y, Prediction of the Spin Transition Temperature in Fe-II One-Dimensional Coordination Polymers: an Anion Based Database, *INORG CHEM*, vol. 48(16), pp. 7838-7852, , (2009) 10.1021/IC900814B
IF CITARE: 4.657
- autori=7 IF=2.207 UAIC 1.1(ISI)=22.489 nr.citari=18 UAIC 1.12 (Citari)=202.620
-
- [39] Enachescu, C; Stoleriu, L; Stancu, A; Hauser, A, **Model for Elastic Relaxation Phenomena in Finite 2D Hexagonal Molecular Lattices**, *PHYS REV LETT*, vol. 102(25), art.no. 257204, (2009) 10.1103/PHYSREVLTT.102.257204
- [39.1] Nishino, M; Miyashita, S; Rikvold, PA, Nontrivial phase diagram for an elastic interaction model of spin crossover materials with antiferromagnetic-like short-range interactions, *PHYS REV B*, vol. 96(14), art.no. 144425, (2017) 10.1103/PHYSREVB.96.144425
IF CITARE: 3.836
- [39.2] Park, ST; van der Veen, RM, Modeling nonequilibrium dynamics of phase transitions at the nanoscale: Application to spin-crossover, *STRUCT DYNAM-US*, vol. 4(4), art.no. 044028, (2017) 10.1063/1.4985058
IF CITARE: 2.968
- [39.3] Traiche, R; Oubouchou, H; Zergoug, M; Boukheddaden, K, Spatio-temporal aspects of the domain propagation in a spin-crossover lattice with defect, *PHYSICA B*, vol. 516, pp. 77-84, , (2017) 10.1016/J.PHYSB.2017.04.026
IF CITARE: 1.386
- [39.4] Mikolasek, M; Nicolazzi, W; Terki, F; Molnar, G; Bousseksou, A, Investigation of surface energies in spin crossover nanomaterials: the role of surface relaxations, *PHYS CHEM CHEM PHYS*, vol. 19(19), pp. 12276-12281, , (2017) 10.1039/C7CP01364G
IF CITARE: 4.123
- [39.5] Hernandez, EM; Zheng, SP; Shepherd, HJ; Yufit, DS; Ridier, K; Bedoui, S; Nicolazzi, W; Velazquez, V; Bonnet, S; Molnar, G; Bousseksou, A, Spatially Resolved Investigation and Control of the Bistability in Single Crystals of the [Fe(bbpya) (NCS)(2)] Spin Crossover Complex, *J PHYS CHEM C*, vol. 120(48), pp. 27608-27617, , (2016) 10.1021/ACS.JPCC.6B10258
IF CITARE: 4.536
- [39.6] Nishino, M; Miyashita, S, Anomalous finite-size effect due to quasidegenerate phases in triangular antiferromagnets with long-range interactions and mapping to the generalized six-state clock model, *PHYS REV B*, vol. 94(18), art.no. 184434, (2016) 10.1103/PHYSREVB.94.184434
IF CITARE: 3.836
- [39.7] Paez-Espejo, M; Sy, M; Boukheddaden, K, Elastic Frustration Causing Two-Step and Multistep Transitions in Spin-Crossover Solids: Emergence of Complex Antiferroelastic Structures, *J AM CHEM SOC*, vol. 138(9), pp. 3202-3210, , (2016) 10.1021/JACS.6B00049
IF CITARE: 13.858
- [39.8] Marino, A; Cammarata, M; Matar, SF; Letard, JF; Chastanet, G; Chollet, M; Glowina, JM; Lemke, HT; Collet, E, Activation of coherent lattice phonon following ultrafast molecular spin-state photo-switching: A molecule-to-lattice energy transfer, *STRUCT DYNAM-US*, vol. 3(2), art.no. UNSP 023605, (2016) 10.1063/1.4936290
IF CITARE: 2.968
- [39.9] Nishino, M; Miyashita, S, Termination of the Berezinskii-Kosterlitz-Thouless phase with a new critical universality in spin-crossover systems, *PHYS REV B*, vol. 92(18), art.no. 184404, (2015) 10.1103/PHYSREVB.92.184404
IF CITARE: 3.718
- [39.10] Pali, A; Ostrovsky, S; Reu, O; Tsukerblat, B; Decurtins, S; Liu, SX; Klokishner, S, Microscopic theory of cooperative spin crossover: Interaction of molecular modes with phonons, *J CHEM PHYS*, vol. 143(8), art.no. 084502, (2015) 10.1063/1.4928642
IF CITARE: 2.894
- [39.11] Paradis, N; Chastanet, G; Palamarcu, T; Rosa, P; Varret, F; Boukheddaden, K; Letard, JF, Detailed Investigation of the Interplay Between the Thermal Decay of the Low Temperature Metastable HS State and the Thermal Hysteresis of Spin-Crossover Solids, *J PHYS CHEM C*, vol. 119(34), pp. 20039-20050, , (2015) 10.1021/ACS.JPCC.5B03680
IF CITARE: 4.509
- [39.12] Slimani, A; Boukheddaden, K; Yamashita, K, Effect of intermolecular interactions on the nucleation, growth, and propagation of like-spin domains in spin-crossover materials, *PHYS REV B*, vol. 92(1), art.no. 014111, (2015) 10.1103/PHYSREVB.92.014111
IF CITARE: 3.718
- [39.13] Oke, TD; Hontinfinde, F; Boukheddaden, K, Bethe lattice approach and relaxation dynamics study of spin-crossover materials, *APPL PHYS A-MATER*, vol. 120(1), pp. 309-320, , (2015) 10.1007/S00339-015-9189-X
IF CITARE: 1.444
- [39.14] Delgado, T; Tissot, A; Besnard, C; Guenee, L; Pattison, P; Hauser, A, Structural Investigation of the High Spin -> Low Spin Relaxation Dynamics of the Porous Coordination Network [Fe(pz)Pt(CN)(4)]center dot 2.6H(2)O, *CHEM-EUR J*, vol. 21(9), pp. 3664-3670, , (2015) 10.1002/CHEM.201405405
IF CITARE: 5.771
- [39.15] Fedin, MV; Veber, SL; Bagryanskaya, EG; Romanenko, GV; Ovcharenko, VI, Spatial distribution of phases during gradual magnetostructural transitions in copper(II)-nitroxide based molecular magnets, *DALTON T*, vol. 44(43), pp. 18823-18830, , (2015) 10.1039/C5DT03441H
IF CITARE: 4.177
- [39.16] Slimani, A; Boukheddaden, K; Yamashita, K, Thermal spin transition of circularly shaped nanoparticles in a core-shell structure investigated with an electroelastic model, *PHYS REV B*, vol. 89(21), art.no. 214109, (2014) 10.1103/PHYSREVB.89.214109
IF CITARE: 3.736
- [39.17] Chiruta, D; Jureschi, CM; Linares, J; Garcia, Y; Rotaru, A, Lattice architecture effect on the cooperativity of spin transition coordination polymers, *J APPL PHYS*, vol. 115(5), art.no. 053523, (2014) 10.1063/1.4864035
IF CITARE: 2.183
- [39.18] Paez-Espejo, M; Sy, M; Varret, F; Boukheddaden, K, Quantitative macroscopic treatment of the spatiotemporal properties of spin crossover solids based on a reaction diffusion equation, *PHYS REV B*, vol. 89(2), art.no. 024306, (2014) 10.1103/PHYSREVB.89.024306
IF CITARE: 3.736
- [39.19] Mikolasek, M; Felix, G; Nicolazzi, W; Molnar, G; Salmon, L; Bousseksou, A, Finite size effects in molecular spin crossover materials, *NEW J CHEM*, vol. 38(5), pp. 1834-1839, , (2014) 10.1039/C3NJ01268A
IF CITARE: 3.086

- [39.20] Tissot, A, Photoswitchable spin crossover nanoparticles, *NEW J CHEM*, vol. 38(5), pp. 1840-1845, , (2014) 10.1039/C3NJ01255G
IF CITARE: 3.086
- [39.21] Felix, G; Nicolazzi, W; Mikolasek, M; Molnar, G; Bousseksou, A, Non-extensivity of thermodynamics at the nanoscale in molecular spin crossover materials: a balance between surface and volume, *PHYS CHEM CHEM PHYS*, vol. 16(16), pp. 7358-7367, , (2014) 10.1039/C3CP55031A
IF CITARE: 4.493
- [39.22] Laosiritaworn, W; Laosiritaworn, Y, Artificial Neural Network modeling of spin-transition behavior in two-dimensional molecular magnet: The learning by experiences analysis, *POLYHEDRON*, vol. 66, pp. 108-115, , (2013) 10.1016/J.POLY.2013.02.071
IF CITARE: 2.047
- [39.23] Laosiritaworn, Y, Role of reduced geometry on critical spin-crossover behavior in molecular magnet: Monte Carlo simulation, *POLYHEDRON*, vol. 66, pp. 129-135, , (2013) 10.1016/J.POLY.2013.03.011
IF CITARE: 2.047
- [39.24] Slimani, A; Boukheddaden, K; Varret, F; Nishino, M; Miyashita, S, Properties of the low-spin high-spin interface during the relaxation of spin-crossover materials, investigated through an electro-elastic model, *J CHEM PHYS*, vol. 139(19), art.no. 194706, (2013) 10.1063/1.4829462
IF CITARE: 3.122
- [39.25] Boukheddaden, K, Monte Carlo investigations on surface elastic energy of spin-crossover solids: Direct access to image pressure and the Eshelby constant, *PHYS REV B*, vol. 88(13), art.no. 134105, (2013) 10.1103/PHYSREVB.88.134105
IF CITARE: 3.664
- [39.26] Nishino, M; Miyashita, S, Effect of the short-range interaction on critical phenomena in elastic interaction systems, *PHYS REV B*, vol. 88(1), art.no. 014108, (2013) 10.1103/PHYSREVB.88.014108
IF CITARE: 3.664
- [39.27] Nicolazzi, W; Pavlik, J; Bedoui, S; Molnar, G; Bousseksou, A, Elastic Ising-like model for the nucleation and domain formation in spin crossover molecular solids, *EUR PHYS J-SPEC TOP*, vol. 222(5), pp. 1137-1159, , (2013) 10.1140/EPJST/E2013-01911-3
IF CITARE: 1.760
- [39.28] Pavlik, J; Boca, R, Established Static Models of Spin Crossover, *EUR J INORG CHEM*, vol. (5-6), pp. 697-709, , (2013) 10.1002/EJIC.201201082
IF CITARE: 2.965
- [39.29] Slimani, A; Boukheddaden, K; Varret, F; Oubouchou, H; Nishino, M; Miyashita, S, Microscopic spin-distortion model for switchable molecular solids: Spatiotemporal study of the deformation field and local stress at the thermal spin transition, *PHYS REV B*, vol. 87(1), art.no. 014111, (2013) 10.1103/PHYSREVB.87.014111
IF CITARE: 3.664
- [39.30] Apetrei, AM; Boukheddaden, K; Stancu, A, Dynamic phase transitions in the one-dimensional spin-phonon coupling model, *PHYS REV B*, vol. 87(1), art.no. 014302, (2013) 10.1103/PHYSREVB.87.014302
IF CITARE: 3.664
- [39.31] Ohtani, R; Arai, M; Hori, A; Takata, M; Kitao, S; Seto, M; Kitagawa, S; Ohba, M, Modulation of Spin-Crossover Behavior in an Elongated and Flexible Hofmann-Type Porous Coordination Polymer, *J INORG ORGANOMET P*, vol. 23(1), pp. 104-110, , (2013) 10.1007/S10904-012-9747-Z
IF CITARE: 1.077
- [39.32] Nicolazzi, W; Pillet, S, Structural aspects of the relaxation process in spin crossover solids: Phase separation, mapping of lattice strain, and domain wall structure, *PHYS REV B*, vol. 85(9), art.no. 094101, (2012) 10.1103/PHYSREVB.85.094101
IF CITARE: 3.767
- [39.33] Nakada, T; Mori, T; Miyashita, S; Nishino, M; Todo, S; Nicolazzi, W; Rikvold, PA, Critical temperature and correlation length of an elastic interaction model for spin-crossover materials, *PHYS REV B*, vol. 85(5), art.no. 054408, (2012) 10.1103/PHYSREVB.85.054408
IF CITARE: 3.767
- [39.34] Tissot, A; Rechignat, L; Bousseksou, A; Boillot, ML, Micro- and nanocrystals of the iron(III) spin-transition material [Fe-III(3-MeO-SalEen)(2)]PF₆, *J MATER CHEM*, vol. 22(8), pp. 3411-3419, , (2012) 10.1039/C2JM14913C
IF CITARE: 6.108
- [39.35] Arcis-Castillo, Z; Zheng, S; Siegler, MA; Roubeau, O; Bedoui, S; Bonnet, S, Tuning the Transition Temperature and Cooperativity of bapbpy-Based Mononuclear Spin-Crossover Compounds: Interplay between Molecular and Crystal Engineering, *CHEM-EUR J*, vol. 17(52), pp. 14826-14836, , (2011) 10.1002/CHEM.201101301
IF CITARE: 5.925
- [39.36] Rotaru, A; Varret, F; Gindulescu, A; Linares, J; Stancu, A; Letard, JF; Forestier, T; Etrillard, C, Size effect in spin-crossover systems investigated by FORC measurements, for surfacted [Fe(NH₂-trz)(3)](Br)(2)center dot 3H(2)O nanoparticles: reversible contributions and critical size, *EUR PHYS J B*, vol. 84(3), pp. 439-449, , (2011) 10.1140/EPJB/E2011-10903-X
IF CITARE: 1.534
- [39.37] Slimani, A; Varret, F; Boukheddaden, K; Chong, C; Mishra, H; Haasnoot, J; Pillet, S, Visualization and quantitative analysis of spatiotemporal behavior in a first-order thermal spin transition: A stress-driven multiscale process, *PHYS REV B*, vol. 84(9), art.no. 094442, (2011) 10.1103/PHYSREVB.84.094442
IF CITARE: 3.691
- [39.38] D'Avino, G; Painelli, A; Boukheddaden, K, Vibronic model for spin crossover complexes, *PHYS REV B*, vol. 84(10), art.no. 104119, (2011) 10.1103/PHYSREVB.84.104119
IF CITARE: 3.691
- [39.39] Nasser, JA; Topcu, S; Chassagne, L; Wakim, M; Bennali, B; Linares, J; Alayli, Y, Two-dimensional atom-phonon coupling model for spin conversion: role of metastable states, *EUR PHYS J B*, vol. 83(2), pp. 115-132, , (2011) 10.1140/EPJB/E2011-10985-4
IF CITARE: 1.534
- [39.40] Muraoka, A; Boukheddaden, K; Linares, J; Varret, F, Two-dimensional Ising-like model with specific edge effects for spin-crossover nanoparticles: A Monte Carlo study, *PHYS REV B*, vol. 84(5), art.no. 054119, (2011) 10.1103/PHYSREVB.84.054119
IF CITARE: 3.691
- [39.41] Nakada, T; Rikvold, PA; Mori, T; Nishino, M; Miyashita, S, Crossover between a short-range and a long-range Ising model, *PHYS REV B*, vol. 84(5), art.no. 054433, (2011) 10.1103/PHYSREVB.84.054433
IF CITARE: 3.691
- [39.42] Chong, C; Slimani, A; Varret, F; Boukheddaden, K; Collet, E; Ameline, JC; Bronisz, R; Hauser, A, The kinetics features of a thermal spin transition characterized by optical microscopy on the example of [Fe(btrr)(3)](ClO₄)(2) single crystals: Size effect and mechanical instability, *CHEM PHYS LETT*, vol. 504(1-3), pp. 29-33, , (2011) 10.1016/J.CPLETT.2011.01.041
IF CITARE: 2.337
- [39.43] Gudyma, IV; Maksymov, AI, High spin metastable state relaxation of spin-crossover solids driven by white noise, *J PHYS CHEM SOLIDS*, vol. 72(2), pp. 73-77, , (2011) 10.1016/J.JPCS.2010.11.002
IF CITARE: 1.632
- [39.44] Bousseksou, A; Molnar, G; Salmon, L; Nicolazzi, W, Molecular spin crossover phenomenon: recent achievements and prospects, *CHEM SOC REV*, vol. 40(6), pp. 3313-3335, , (2011) 10.1039/C1CS15042A
IF CITARE: 28.760
- [39.45] Bedoui, S; Molnar, G; Bonnet, S; Quintero, C; Shepherd, HJ; Nicolazzi, W; Salmon, L; Bousseksou, A, Raman spectroscopic and optical imaging of high spin/low spin domains in a spin crossover complex, *CHEM PHYS LETT*, vol. 499(1-3), pp. 94-99, , (2010) 10.1016/J.CPLETT.2010.09.027

IF CITARE: 2.282

[39.46] Klinduhov, N; Chernyshov, D; Boukheddaden, K, Choice of dynamics for spin-crossover systems, PHYS REV B, vol. 81(9), art.no. 094408, (2010) 10.1103/PHYSREVB.81.094408

IF CITARE: 3.774

[39.47] Chong, C; Varret, F; Boukheddaden, K, Evolution of self-organized spin domains under light in single-crystalline [Fe(ptz)(6)](BF4)(2), PHYS REV B, vol. 81(1), art.no. 014104, (2010) 10.1103/PHYSREVB.81.014104

IF CITARE: 3.774

autori=4 IF=7.328 UAIC I.1(ISI)=116.170 nr.citari=47 UAIC I.12 (Citari)=1075.970

[40] Mishra, V; Mishra, H; Mukherjee, R; Codjovi, E; Linares, J; Letard, JF; Desplanches, C; Balde, C; Enachescu, C; Varret, F, Spin-transition in [Fe-II(L-5)(2)][ClO4](2)[L-5=2-[3-(2'-pyridyl)pyrazol-1-ylmethyl](1-methylimidazole)]: a further example of coexistence of features typical for disorder and cooperativity, DALTON T, vol. (36), pp. 7462-7472, (2009) 10.1039/B901397K

[40.1] Fik, MA; Löffler, M; Weselski, M; Kubicki, M; Korabik, MJ; Patroniak, V, New Fe(II) complexes with Schiff base ligand: Synthesis, spectral characterization, magnetic studies and thermal stability, POLYHEDRON, vol. 102, pp. 609-614, , (2015) 10.1016/J.POLY.2015.10.050

IF CITARE: 2.108

[40.2] Kropp, H; Scheurer, A; Heinemann, FW; Bendix, J; Meyer, K, Coordination-Induced Spin-State Change in Manganese(V) Complexes: The Electronic Structure of Manganese(V) Nitrides, INORG CHEM, vol. 54(7), pp. 3562-3572, , (2015) 10.1021/ACS.INORGCHEM.5B00112

IF CITARE: 4.820

[40.3] Abherve, A; Palacios-Corella, M; Clemente-Juan, JM; Marx, R; Neugebauer, P; van Slageren, J; Clemente-Leon, M; Coronado, E, Bimetallic Mn-III-Fe-II hybrid complexes formed by a functionalized Mn-III Anderson polyoxometalate coordinated to Fe-II: observation of a field-induced slow relaxation of magnetization in the Mn-III centres and a photoinduced spin-crossover in the Fe-II centres, J MATER CHEM C, vol. 3(30), pp. 7936-7945, , (2015) 10.1039/C5TC01089F

IF CITARE: 5.066

[40.4] Mishra, V; Sharma, AK; Mukherjee, R, Formation of 1D-Chain via C-H center dot center dot center dot Cl Interaction Utilizing [(L-3)(ZnCl2)-Cl-II] (L-3=2-[3-(2'-Pyridyl)pyrazol-1-ylmethyl]-(1-methylimidazole)) Tecton, P NATL A SCI INDIA A, vol. 84(2), pp. 315-320, , (2014) 10.1007/S40010-014-0137-5

IF CITARE: 0.242

[40.5] Tissot, A; Riviere, E; Guillot, R; Toupet, L; Collet, E; Boillot, ML, Light-induced excited spin state trapping effect on [Fe(mepy)(3)tren](PF6)(2) solvated crystals, DALTON T, vol. 43(3), pp. 1063-1071, , (2014) 10.1039/C3DT52495G

IF CITARE: 4.197

[40.6] Shongwe, MS; Al-Zaabi, UA; Al-Mjeni, F; Eribal, CS; Sinn, E; Al-Omari, IA; Hamdeh, HH; Matoga, D; Adams, H; Morris, MJ; Rheingold, AL; Bill, E; Sellmyer, DJ, Accessibility and Selective Stabilization of the Principal Spin States of Iron by Pyridyl versus Phenolic Ketimines: Modulation of the (6)A(1) <-> T-2(2) Ground-State Transformation of the [FeN4O2](+) Chromophore, INORG CHEM, vol. 51(15), pp. 8241-8253, , (2012) 10.1021/IC300732R

IF CITARE: 4.593

[40.7] Fedin, MV; Maryunina, KY; Sagdeev, RZ; Ovcharenko, VI; Bagryanskaya, EG, Self-Decelerating Relaxation of the Light-Induced Spin States in Molecular Magnets Cu(hfac)(2)L-R Studied by Electron Paramagnetic Resonance, INORG CHEM, vol. 51(1), pp. 709-717, , (2012) 10.1021/IC202248V

IF CITARE: 5.593

[40.8] Rotaru, A; Varret, F; Gindulescu, A; Linares, J; Stancu, A; Letard, JF; Forestier, T; Etrillard, C, Size effect in spin-crossover systems investigated by FORC measurements, for surfacted [Fe(NH2-trz)(3)](Br)(2)center dot 3H(2)O nanoparticles: reversible contributions and critical size, EUR PHYS J B, vol. 84(3), pp. 439-449, , (2011) 10.1140/EPJB/E2011-10903-X

IF CITARE: 1.534

[40.9] Javed, S; Balamurugan, V; Jacob, W; Sharma, AK; Mukherjee, R, Discrete monomeric and chloride-bridged dimeric and 1D coordination polymeric mercury(II) complexes of a class of pyridyl-pyrazole ligands with variable denticity and flexibility, INDIAN J CHEM A, vol. 50(9-10), pp. 1248-1256, , (2011)

IF CITARE: 0.891

[40.10] Sharma, AK; De, A; Balamurugan, V; Mukherjee, R, Conformational flexibility of 2,6-bis(pyrazol-1-ylmethyl) pyridine (L-5) in [(L-5)Co-II(H2O)(3)]Cl-2 and [(L-5)Ni-II(H2O)(2)Cl]Cl center dot H2O. Molecular structures and non-covalent interactions, INORG CHIM ACTA, vol. 372(1), pp. 327-332, , (2011) 10.1016/J.ICA.2011.02.038

IF CITARE: 1.846

[40.11] Bousseksou, A; Molnar, G; Salmon, L; Nicolazzi, W, Molecular spin crossover phenomenon: recent achievements and prospects, CHEM SOC REV, vol. 40(6), pp. 3313-3335, , (2011) 10.1039/C1CS15042A

IF CITARE: 28.760

autori=10 IF=4.081 UAIC I.1(ISI)=26.986 nr.citari=11 UAIC I.12 (Citari)=128.300

[41] Stoleriu, L; Enachescu, C; Stancu, A; Hauser, A, Elastic Model for Complex Hysteretic Processes in Molecular Magnets, IEEE T MAGN, vol. 44(11), pp. 3052-3055, (2008) 10.1109/TMAG.2008.2002793

[41.1] Taniguchi, D; Okabayashi, J; Hotta, C, Pressure-induced two-step spin crossover in a double-layered elastic model, PHYS REV B, vol. 96(17), art.no. 174104, (2017) 10.1103/PHYSREVB.96.174104

IF CITARE: 3.836

[41.2] Dimian, M; Adedoyin, A; Gindulescu, A; Andrei, P, Modeling and Simulation of Noise Induced Phenomena in Complex Hysteretic Systems, IEEE T MAGN, vol. 45(11), pp. 5231-5234, , (2009) 10.1109/TMAG.2009.2031070

IF CITARE: 1.061

autori=4 IF=1.129 UAIC I.1(ISI)=23.185 nr.citari=2 UAIC I.12 (Citari)=29.485

[42] Krivokapic, I; Enachescu, C; Bronisz, R; Hauser, A, The interaction between the spin transition and a crystallographic phase transition in the spin-crossover compound [Fe(bbtr)(3)](ClO4)(2): Nucleation, formation of domains and fluctuations, INORG CHIM ACTA, vol. 361(12-13), pp. 3616-3622, (2008) 10.1016/J.ICA.2008.03.064

[42.1] Cook, LJK; Shepherd, HJ; Comyn, TP; Balde, C; Cespedes, O; Chastanet, G; Halcrow, MA, Decoupled Spin Crossover and Structural Phase Transition in a Molecular Iron(II) Complex, CHEM-EUR J, vol. 21(12), pp. 4805-4816, , (2015) 10.1002/CHEM.201406307

IF CITARE: 5.771

[42.2] Klingele, J; Kaase, D; Schmucker, M; Lan, YH; Chastanet, G; Letard, JF, Thermal Spin Crossover and LIESST Effect Observed in Complexes (Fe(L-Ch)(2)(NCX)(2)) [L-Ch=2,5-Di(2-Pyridyl)-1,3,4-Chalcadiazole; Ch = O, S, Se; X = S, Se, BH3], INORG CHEM, vol. 52(10), pp. 6000-6010, , (2013) 10.1021/IC400342M

IF CITARE: 4.794

[42.3] Gutlich, P; Gaspar, AB; Garcia, Y, Spin state switching in iron coordination compounds, BEILSTEIN J ORG CHEM, vol. 9, pp. 342-391, , (2013) 10.3762/BJOC.9.39

IF CITARE: 2.820

[42.4] Bialonska, A; Bronisz, R; Baranowski, L, 1D Spin-Crossover Networks Containing a Fe-II(1,2,3-triazol-1-yl)(4)(CH3CN)(2)-Type Core, EUR J INORG CHEM, vol. (5-6), pp. 720-724, , (2013) 10.1002/EJIC.201201115

IF CITARE: 2.965

[42.5] Bialonska, A; Bronisz, R; Kusz, J; Weselski, M; Zubko, M, How Nonequivalency of the Flexibility of the Ligand Bridges Leads to Anisotropy of Perturbation Transmission in a 3D Spin-Crossover Coordination Network, EUR J INORG CHEM, vol. (5-6), pp. 875-883, , (2013) 10.1002/EJIC.201200645

IF CITARE: 2.965

- [42.6] Garcia, Y; Adarsh, NN; Naik, AD, Crystal Engineering of Fe-II Spin Crossover Coordination Polymers Derived from Triazole or Tetrazole Ligands, CHIMIA, vol. 67(6), pp. 411-418, , (2013) 10.2533/CHIMIA.2013.411
IF CITARE: 1.091
- [42.7] Bedoui, S; Lopes, M; Nicolazzi, W; Bonnet, S; Zheng, SP; Molnar, G; Bousseksou, A, Triggering a Phase Transition by a Spatially Localized Laser Pulse: Role of Strain, PHYS REV LETT, vol. 109(13), art.no. 135702, (2012) 10.1103/PHYSREVLETT.109.135702
IF CITARE: 7.943
- [42.8] Chakraborty, P; Bronisz, R; Besnard, C; Guenee, L; Pattison, P; Hauser, A, Persistent Bidirectional Optical Switching in the 2D High-Spin Polymer {[Fe(bbtr(3))](BF₄(2))}(infinity), J AM CHEM SOC, vol. 134(9), pp. 4049-4052, , (2012) 10.1021/JA211897T
IF CITARE: 10.677
- [42.9] Watanabe, H; Brefuel, N; Mouri, S; Tuchagues, JP; Collet, E; Tanaka, K, Dynamical separation of spin and lattice degrees of freedom in the relaxation process from the photo-induced state, EPL-EUROPHYS LETT, vol. 96(1), art.no. 17004, (2011) 10.1209/0295-5075/96/17004
IF CITARE: 2.171
- [42.10] Slimani, A; Varret, F; Boukheddaden, K; Chong, C; Mishra, H; Haasnoot, J; Pillet, S, Visualization and quantitative analysis of spatiotemporal behavior in a first-order thermal spin transition: A stress-driven multiscale process, PHYS REV B, vol. 84(9), art.no. 094442, (2011) 10.1103/PHYSREVB.84.094442
IF CITARE: 3.691
- [42.11] Kusz, J; Bronisz, R; Zubko, M; Bednarek, G, On the Role of Intermolecular Interactions on Structural and Spin-Crossover Properties of 2D Coordination Networks [Fe(bbtr(3))A(2) (bbtr=1,4-bis(1,2,3-triazol-1-yl)butane; A = ClO₄⁻, BF₄⁻), CHEM-EUR J, vol. 17(24), pp. 6807-6820, , (2011) 10.1002/CHEM.201100394
IF CITARE: 5.925
- [42.12] Aromi, G; Barrios, LA; Roubeau, O; Gamez, P, Triazoles and tetrazoles: Prime ligands to generate remarkable coordination materials, COORDIN CHEM REV, vol. 255(5-6), pp. 485-546, , (2011) 10.1016/J.CCR.2010.10.038
IF CITARE: 12.110
- [42.13] Chong, C; Slimani, A; Varret, F; Boukheddaden, K; Collet, E; Ameline, JC; Bronisz, R; Hauser, A, The kinetics features of a thermal spin transition characterized by optical microscopy on the example of [Fe(bbtr(3))](ClO₄(2) single crystals: Size effect and mechanical instability, CHEM PHYS LETT, vol. 504(1-3), pp. 29-33, , (2011) 10.1016/J.CPLETT.2011.01.041
IF CITARE: 2.337
- [42.14] Varret, F; Slimani, A; Boukheddaden, K; Chong, C; Mishra, H; Collet, E; Haasnoot, J; Pillet, S, The propagation of the thermal spin transition of [Fe(btr(2))(NCS)(2)]center dot H₂O single crystals, observed by optical microscopy, NEW J CHEM, vol. 35(10), pp. 2333-2340, , (2011) 10.1039/C1NJ20332K
IF CITARE: 2.605
- [42.15] Bousseksou, A; Molnar, G; Salmon, L; Nicolazzi, W, Molecular spin crossover phenomenon: recent achievements and prospects, CHEM SOC REV, vol. 40(6), pp. 3313-3335, , (2011) 10.1039/C1CS15042A
IF CITARE: 28.760
- [42.16] Chong, C; Mishra, H; Boukheddaden, K; Denise, S; Bouchez, G; Collet, E; Ameline, JC; Naik, AD; Garcia, Y; Varret, F, Electronic and Structural Aspects of Spin Transitions Observed by Optical Microscopy. The Case of [Fe(ptz(6))(BF₄(2)), J PHYS CHEM B, vol. 114(5), pp. 1975-1984, , (2010) 10.1021/JP910999Y
IF CITARE: 3.603
- [42.17] Watanabe, H; Hirori, H; Molnar, G; Bousseksou, A; Tanaka, K, Temporal decoupling of spin and crystallographic phase transitions in Fe(ptz(6))(BF₄(2)), PHYS REV B, vol. 79(18), art.no. 180405, (2009) 10.1103/PHYSREVB.79.180405
IF CITARE: 3.475
- autori=4 IF=1.940 UAIC I.1(ISI)=35.350 nr.citari=17 UAIC I.12 (Citari)=561.015
-
- [43] Krivokapic, I; Enachescu, C; Bronisz, R; Hauser, A, Spin transition and relaxation dynamics coupled to a crystallographic phase transition in a polymeric iron(II) spin-crossover system, CHEM PHYS LETT, vol. 455(4-6), pp. 192-196, (2008) 10.1016/J.CPLETT.2008.02.088
- [43.1] Seredyuk, M; Munoz, MC; Ksenofontov, V; Gutlich, P; Galyametdinov, Y; Real, JA, Spin Crossover Star-Shaped Metallomesogens of Iron(II), INORG CHEM, vol. 53(16), pp. 8442-8454, , (2014) 10.1021/IC5010159
IF CITARE: 4.762
- [43.2] Laosiritaworn, W; Laosiritaworn, Y, Artificial Neural Network modeling of spin-transition behavior in two-dimensional molecular magnet: The learning by experiences analysis, POLYHEDRON, vol. 66, pp. 108-115, , (2013) 10.1016/J.POLY.2013.02.071
IF CITARE: 2.047
- [43.3] Laosiritaworn, Y, Role of reduced geometry on critical spin-crossover behavior in molecular magnet: Monte Carlo simulation, POLYHEDRON, vol. 66, pp. 129-135, , (2013) 10.1016/J.POLY.2013.03.011
IF CITARE: 2.047
- [43.4] Seredyuk, M; Munoz, MC; Castro, M; Romero-Morcillo, T; Gaspar, AB; Real, JA, Unprecedented Multi-Stable Spin Crossover Molecular Material with Two Thermal Memory Channels, CHEM-EUR J, vol. 19(21), pp. 6591-6596, , (2013) 10.1002/CHEM.201300394
IF CITARE: 5.696
- [43.5] Gutlich, P; Gaspar, AB; Garcia, Y, Spin state switching in iron coordination compounds, BEILSTEIN J ORG CHEM, vol. 9, pp. 342-391, , (2013) 10.3762/BJOC.9.39
IF CITARE: 2.820
- [43.6] Pavlik, J; Boca, R, Established Static Models of Spin Crossover, EUR J INORG CHEM, vol. (5-6), pp. 697-709, , (2013) 10.1002/EJIC.201201082
IF CITARE: 2.965
- [43.7] Bialonska, A; Bronisz, R; Baranowski, L, 1D Spin-Crossover Networks Containing a Fe-II(1,2,3-triazol-1-yl)(4)(CH₃CN)(2)-Type Core, EUR J INORG CHEM, vol. (5-6), pp. 720-724, , (2013) 10.1002/EJIC.201201115
IF CITARE: 2.965
- [43.8] Garcia, Y; Adarsh, NN; Naik, AD, Crystal Engineering of Fe-II Spin Crossover Coordination Polymers Derived from Triazole or Tetrazole Ligands, CHIMIA, vol. 67(6), pp. 411-418, , (2013) 10.2533/CHIMIA.2013.411
IF CITARE: 1.091
- [43.9] Boilleau, C; Suaud, N; Guihery, N, Ab initio study of the influence of structural parameters on the potential energy surfaces of spin-crossover Fe(II) model compounds, J CHEM PHYS, vol. 137(22), art.no. 224304, (2012) 10.1063/1.4768870
IF CITARE: 3.164
- [43.10] Phan, HV; Chakraborty, P; Chen, MM; Calm, YM; Kovnir, K; Keniley, LK; Hoyt, JM; Knowles, ES; Besnard, C; Meisel, MW; Hauser, A; Achim, C; Shatruk, M, Heteroleptic Fe-II Complexes of 2,2'-Biimidazole and Its Alkylated Derivatives: Spin-Crossover and Photomagnetic Behavior, CHEM-EUR J, vol. 18(49), pp. 15805-15815, , (2012) 10.1002/CHEM.201202045
IF CITARE: 5.831
- [43.11] Chong, C; Itoi, M; Boukheddaden, K; Codjovi, E; Rotaru, A; Varret, F; Frye, FA; Talham, DR; Maurin, I; Chernyshov, D; Castro, M, Metastable state of the photomagnetic Prussian blue analog K_{0.3}Co[Fe(CN)(6)](0.77)center dot 3.6H(2)O investigated by various techniques, PHYS REV B, vol. 84(14), art.no. 144102, (2011) 10.1103/PHYSREVB.84.144102
IF CITARE: 3.691

[43.12] Pagacz-Kostrzewa, M; Reva, ID; Bronisz, R; Giuliano, BM; Fausto, R; Wierzejewska, M, Conformational Behavior and Tautomer Selective Photochemistry in Low Temperature Matrices: The Case of 5-(1H-Tetrazol-1-yl)-1,2,4-triazole, J PHYS CHEM A, vol. 115(22), pp. 5693-5707, , (2011) 10.1021/JP202925R

IF CITARE: 2.946

[43.13] Kusz, J; Bronisz, R; Zubko, M; Bednarek, G, On the Role of Intermolecular Interactions on Structural and Spin-Crossover Properties of 2D Coordination Networks [Fe(bbtr)(3)]A(2) (bbtr=1,4-bis(1,2,3-triazol-1-yl)butane; A = ClO₄⁻, BF₄⁻), CHEM-EUR J, vol. 17(24), pp. 6807-6820, , (2011) 10.1002/CHEM.201100394

IF CITARE: 5.925

[43.14] Chong, C; Slimani, A; Varret, F; Boukheddaden, K; Collet, E; Ameline, JC; Bronisz, R; Hauser, A, The kinetics features of a thermal spin transition characterized by optical microscopy on the example of [Fe(bbtr)(3)](ClO₄)(2) single crystals: Size effect and mechanical instability, CHEM PHYS LETT, vol. 504(1-3), pp. 29-33, , (2011) 10.1016/J.CPLETT.2011.01.041

IF CITARE: 2.337

[43.15] Tang, GT; Wang, QL; Liao, DZ; Yang, GM, Spin Crossover and Its Research Progress, PROG CHEM, vol. 22(2-3), pp. 257-264, , (2010)

IF CITARE: 0.560

[43.16] Suaud, N; Bonnet, ML; Boilleau, C; Labeguerie, P; Guihery, N, Light-induced Excited Spin State Trapping: Ab Initio Study of the Physics at the Molecular Level, J AM CHEM SOC, vol. 131(2), pp. 715-722, , (2009) 10.1021/JA805626S

IF CITARE: 8.580

[43.17] Varret, F; Chong, C; Goujon, A; Boukheddaden, K, Light-induced phase separation (LIPS) in [Fe(ptz)(6)](BF₄)(2) spin-crossover single crystals: experimental data revisited through optical microscope investigation, J PHYS CONF SER, vol. 148, art.no. 012036, (2009) 10.1088/1742-6596/148/1/012036

IF CITARE: 0.000

autori=4 IF=2.169 UAIC I.1(ISI)=38.785 nr.citari=17 UAIC I.12 (Citari)=329.635

[44] Enachescu, C; Krivokapic, I; Zerara, M; Real, JA; Amstutz, N; Hauser, A, Optical investigation of spin-crossover in cobalt(II) bis-terpy complexes, INORG CHIM ACTA, vol. 360(13), pp. 3945-3950, (2007) 10.1016/J.ICA.2007.06.022

[44.1] El Garah, M; Borre, E; Ciesielski, A; Dianat, A; Gutierrez, R; Cuniberti, G; Bellemin-Lapponnaz, S; Mauro, M; Samori, P, Light-Induced Contraction/Expansion of 1D Photoswitchable Metallopolymer Monitored at the Solid-Liquid Interface, SMALL, vol. 13(40), art.no. UNSP 1701790, (2017) 10.1002/SMLL.201701790

IF CITARE: 8.643

[44.2] Krest, A; Sandleben, A; Valldor, M; Werker, M; Ruschewitz, U; Klein, A, Heteroleptic Complexes of the Tridentate Pyridine-2,6-di-tetrazolate Ligand, CHEMISTRYSELECT, vol. 2(21), pp. 5849-5859, , (2017) 10.1002/SLCT.201701124

IF CITARE: 0.000

[44.3] Palion-Gazda, J; Machura, B; Kruszynski, R; Grancha, T; Moliner, N; Lloret, F; Julve, M, Spin Crossover in Double Salts Containing Six- and Four-Coordinate Cobalt(II) Ions, INORG CHEM, vol. 56(11), pp. 6281-6296, , (2017) 10.1021/ACS.INORGCHEM.7B00360

IF CITARE: 4.857

[44.4] Aroua, S; Todorova, TK; Hommes, P; Charnoreau, LM; Reissig, HU; Mougél, V; Fontecave, M, Synthesis, Characterization, and DFT Analysis of Bis-Terpyridyl-Based Molecular Cobalt Complexes, INORG CHEM, vol. 56(10), pp. 5930-5940, , (2017) 10.1021/ACS.INORGCHEM.7B00595

IF CITARE: 4.857

[44.5] Schnaubelt, L; Petzold, H; Speck, JM; Dmitrieva, E; Rosenkranz, M; Korb, M, Redox properties and electron transfer in a triarylamine-substituted HS-Co₂+ /LS-Co₃+ redox couple, DALTON T, vol. 46(8), pp. 2690-2698, , (2017) 10.1039/C6DT04748C

IF CITARE: 4.029

[44.6] Pai, S; Moos, M; Schreck, MH; Lambert, C; Kurth, DG, Green-to-Red Electrochromic Fe(II) Metallo-Supramolecular Polyelectrolytes Self-Assembled from Fluorescent 2,6-Bis(2-pyridyl)pyrroline Bi thiophene, INORG CHEM, vol. 56(3), pp. 1418-1432, , (2017) 10.1021/ACS.INORGCHEM.6B02496

IF CITARE: 4.857

[44.7] Wang, Q; Martin, L; Blake, AJ; Day, P; Akutsu, H; Wallis, JD, Coordination Chemistry of 2,2'-Bipyridyl- and 2,2':6',2''-Terpyridyl-Substituted BEDT-TTFs: Formation of a Supramolecular Capsule Motif by the Iron(II) Tris Complex of 2,2'-Bipyridine-4-thiomethyl-BEDT-TTF, INORG CHEM, vol. 55(17), pp. 8543-8551, , (2016) 10.1021/ACS.INORGCHEM.6B01101

IF CITARE: 4.857

[44.8] Biasin, E; van Driel, TB; Kjaer, KS; Dohn, AO; Christensen, M; Harlang, T; Chabera, P; Liu, YZ; Uhlig, J; Papai, M; Nemeth, Z; Hartsock, R; Liang, W; Zhang, JX; Alonso-Mori, R; Chollet, M; Glowina, JM; Nelson, S; Sokaras, D; Assefa, TA; Britz, A; Galler, A; Gawelda, W; Bressler, C; Gaffney, KJ; Lemke, HT; Moller, KB; Nielsen, MM; Sundstrom, V; Vanko, G; Warmark, K; Canton, SE; Haldrup, K, Femtosecond X-Ray Scattering Study of Ultrafast Photoinduced Structural Dynamics in Solvated [Co(terpy)(2)](2+), PHYS REV LETT, vol. 117(1), art.no. 013002, (2016) 10.1103/PHYSREVLETT.117.013002

IF CITARE: 8.462

[44.9] Tong, J; Demeshko, S; John, M; Dechert, S; Meyer, F, Redox-Induced Single-Molecule Magnetism in Mixed-Valent [2 x 2] Co-4 Grid Complexes, INORG CHEM, vol. 55(9), pp. 4362-4372, , (2016) 10.1021/ACS.INORGCHEM.6B00106

IF CITARE: 4.857

[44.10] Weng, WD; Zheng, YQ; Zhu, HL; Xu, JQ, Assembly of Supramolecular Networks with the Inclusion of T4(2)6(2) Water Tapes and R6 Water Clusters, J CLUST SCI, vol. 26(5), pp. 1833-1843, , (2015) 10.1007/S10876-015-0882-X

IF CITARE: 1.664

[44.11] Takami, K; Ohtani, R; Nakamura, M; Kurogi, T; Sugimoto, M; Lindoy, LF; Hayami, S, Redox induced colour changes between red-violet and blue in hetero-metal complexes of the type [Co-II(4'-ferrocenyl-2,2':6',2''-terpyridine)(2)]X-2 (X = counter anion), DALTON T, vol. 44(42), pp. 18354-18359, , (2015) 10.1039/C5DT02592C

IF CITARE: 4.177

[44.12] Zhang, X; Xie, HM; Ballesteros-Rivas, M; Wang, ZX; Dunbar, KR, Structural distortions of the spin-crossover material [Co(pyterpy)(2)](TCNQ)(2) mediated by supramolecular interactions, J MATER CHEM C, vol. 3(36), pp. 9292-9298, , (2015) 10.1039/C5TC01851J

IF CITARE: 5.066

[44.13] Klein, A; Krest, A; Nitsche, S; Stirnat, K; Valldor, M, First Homoleptic Complexes of the Tridentate Pyridine-2,6-ditetrazolate Ligand, EUR J INORG CHEM, vol. (15), pp. 2757-2767, , (2013) 10.1002/EJIC.201201473

IF CITARE: 2.965

[44.14] Gaddie, RS; Moss, CB; Elliott, CM, Cyclic Voltammetric Study of Cobalt Poly-4-t-butylpyridine Ligand Complexes on Glassy Carbon Electrodes: Electrolyte Dependence and Mechanistic Considerations, LANGMUIR, vol. 29(2), pp. 825-831, , (2013) 10.1021/LA304262A

IF CITARE: 4.384

[44.15] Horvath, R; Lombard, J; Lepretre, JC; Collomb, MN; Deronzier, A; Chauvin, J; Gordon, KC, Excited-state spectroscopic investigations of multinuclear complexes based on [Ru(bpy)(3)](2+) moieties connected to 2,2'-bipyridine and 2,2':6',2''-terpyridine ligands, DALTON T, vol. 42(47), pp. 16527-16537, , (2013) 10.1039/C3DT52153B

IF CITARE: 4.097

[44.16] Lee, YH; Won, MS; Harrowfield, JM; Kawata, S; Hayami, S; Kim, Y, Spin crossover in Co(II) metallorods - replacing aliphatic tails by aromatic, DALTON T, vol. 42(32), pp. 11507-11521, , (2013) 10.1039/C3DT51396C

IF CITARE: 4.097

[44.17] Vargas, A; Krivokapic, I; Hauser, A; Daku, LML, Towards accurate estimates of the spin-state energetics of spin-crossover complexes within density functional theory: a comparative case study of cobalt(II) complexes, PHYS CHEM CHEM PHYS, vol. 15(11), pp. 3752-3763, , (2013) 10.1039/C3CP44336A

IF CITARE: 4.198

[44.18] Indumathy, R; Weyhermuller, T; Rajapandian, V; Subramanian, V; Nair, BU, An unusual oxidation of the imidazolyl ring in a cobalt terpyridyl complex: Crystal structure and photonuclease activity of the transformed cobalt terpyridyl complex, POLYHEDRON, vol. 43(1), pp. 159-169, , (2012) 10.1016/J.POLY.2012.06.031

IF CITARE: 1.813

[44.19] Henderson, IM; Hayward, RC, Substituent effects on the stabilities of polymeric and small molecule bis-terpyridine complexes, POLYM CHEM-UK, vol. 3(5), pp. 1221-1230, , (2012) 10.1039/C2PY20042B

IF CITARE: 5.231

[44.20] Tang, GT; Wang, QL; Liao, DZ; Yang, GM, Spin Crossover and Its Research Progress, PROG CHEM, vol. 22(2-3), pp. 257-264, , (2010)

IF CITARE: 0.560

[44.21] Kilner, CA; Halcrow, MA, An unusual discontinuity in the thermal spin transition in [Co(terpy)(2)][BF4](2), DALTON T, vol. 39(38), pp. 9008-9012, , (2010) 10.1039/C0DT00295J

IF CITARE: 3.647

autori=6 IF=1.713 UAIC I.1(ISI)=21.297 nr.citari=21 UAIC I.12 (Citari)=326.060

[45] Tanasa, R; Enachescu, C; Stancu, A; Varret, F; Linares, J; Codjovi, E, Study of impurities effect in spin crossover compounds using first order reversal curves (FORC) method, POLYHEDRON, vol. 26(9-11), pp. 1820-1824, (2007) 10.1016/J.POLY.2006.09.079

[45.1] Lefter, C; Tricard, S; Peng, HN; Molnar, G; Salmon, L; Demont, P; Rotaru, A; Bousseksou, A, Metal Substitution Effects on the Charge Transport and Spin Crossover Properties of [FeI-xZnx(Htrz)(2)(trz)](BF4) (trz = Triazole), J PHYS CHEM C, vol. 119(16), pp. 8522-8529, , (2015) 10.1021/ACS.JPCC.5B01117

IF CITARE: 4.509

[45.2] Dirtu, MM; Neuhausen, C; Naik, AD; Rotaru, A; Spinu, L; Garcia, Y, Insights into the Origin of Cooperative Effects in the Spin Transition of [Fe(NH(2)trz)(3)](NO3)(2): the Role of Supramolecular Interactions Evidenced in the Crystal Structure of [Cu(NH(2)trz)(3)](NO3)(2)center dot H2O, INORG CHEM, vol. 49(12), pp. 5723-5736, , (2010) 10.1021/IC100667F

IF CITARE: 4.326

[45.3] Tang, GT; Wang, QL; Liao, DZ; Yang, GM, Spin Crossover and Its Research Progress, PROG CHEM, vol. 22(2-3), pp. 257-264, , (2010)

IF CITARE: 0.560

[45.4] Tanasa, R; Stancu, A; Codjovi, E; Linares, J; Varret, F; Letard, JF, A first order reversal curve investigation of pressure hysteresis in multiferroics spin transition compound, J APPL PHYS, vol. 103(7), art.no. 07B905, (2008) 10.1063/1.2831335

IF CITARE: 2.201

autori=6 IF=1.756 UAIC I.1(ISI)=21.727 nr.citari=4 UAIC I.12 (Citari)=45.320

[46] Krivokapic, I; Zerara, M; Daku, ML; Vargas, A; Enachescu, C; Ambrus, C; Tregenna-Piggott, P; Amstutz, N; Krausz, E; Hauser, A, Spin-crossover in cobalt(II) imine complexes, COORDIN CHEM REV, vol. 251(3-4), pp. 364-378, (2007) 10.1016/J.CCR.2006.05.006

[46.1] Krest, A; Sandleben, A; Valldor, M; Werker, M; Ruschewitz, U; Klein, A, Heteroleptic Complexes of the Tridentate Pyridine-2,6-di-tetrazolate Ligand, CHEMISTRYSELECT, vol. 2(21), pp. 5849-5859, , (2017) 10.1002/SLCT.201701124

IF CITARE: 0.000

[46.2] Palion-Gazda, J; Machura, B; Kruszynski, R; Grancha, T; Moliner, N; Lloret, F; Julve, M, Spin Crossover in Double Salts Containing Six- and Four-Coordinate Cobalt(II) Ions, INORG CHEM, vol. 56(11), pp. 6281-6296, , (2017) 10.1021/ACS.INORGCHEM.7B00360

IF CITARE: 4.857

[46.3] Ferrando-Soria, J; Vallejo, J; Castellano, M; Martinez-Lillo, J; Pardo, E; Cano, J; Castro, I; Lloret, F; Ruiz-Garcia, R; Julve, M, Molecular magnetism, quo vadis? A historical perspective from a coordination chemist viewpoint, COORDIN CHEM REV, vol. 339, pp. 17-103, , (2017) 10.1016/J.CCR.2017.03.004

IF CITARE: 13.324

[46.4] Chen, KY; Du, C; Patrick, BO; Berlinguette, CP, High-Voltage Dye-Sensitized Solar Cells Mediated by [Co(2,2'-bipyrimidine)(3)](z), INORG CHEM, vol. 56(5), pp. 2383-2386, , (2017) 10.1021/ACS.INORGCHEM.7B00082

IF CITARE: 4.857

[46.5] Schnaubelt, L; Petzold, H; Speck, JM; Dmitrieva, E; Rosenkranz, M; Korb, M, Redox properties and electron transfer in a triarylamine-substituted HS-Co2+/LS-Co3+ redox couple, DALTON T, vol. 46(8), pp. 2690-2698, , (2017) 10.1039/C6DT04748C

IF CITARE: 4.029

[46.6] Rupp, F; Chevalier, K; Graf, M; Schmitz, M; Kelm, H; Grun, A; Zimmer, M; Gerhards, M; van Wullen, C; Kruger, HJ; Diller, R, Spectroscopic, Structural, and Kinetic Investigation of the Ultrafast Spin Crossover in an Unusual Cobalt(II) Semiquinonate Radical Complex, CHEM-EUR J, vol. 23(9), pp. 2119-2132, , (2017) 10.1002/CHEM.201604546

IF CITARE: 5.317

[46.7] Kashif, MK; Milhuisen, RA; Nippe, M; Hellerstedt, J; Zee, DZ; Duffy, NW; Halstead, B; De Angelis, F; Fantacci, S; Fuhrer, MS; Chang, CJ; Cheng, YB; Long, JR; Spiccia, L; Bach, U, Cobalt Polypyridyl Complexes as Transparent SolutionProcessable Solid- State Charge Transport Materials, ADV ENERGY MATER, vol. 6(24), art.no. 1600874, (2016) 10.1002/AENM.201600874

IF CITARE: 16.721

[46.8] Oliveira, WXC; Pereira, CLM; Pinheiro, CB; Krambrock, K; Grancha, T; Moliner, N; Lloret, F; Julve, M, Oxotris(oxalato)niobate(V) as counterion in cobalt(II) spin-crossover systems, POLYHEDRON, vol. 117, pp. 710-717, , (2016) 10.1016/J.POLY.2016.07.014

IF CITARE: 1.926

[46.9] Khusniyarov, MM, How to Switch Spin-Crossover Metal Complexes at Constant Room Temperature, CHEM-EUR J, vol. 22(43), pp. 15178-15191, , (2016) 10.1002/CHEM.201601140

IF CITARE: 5.317

[46.10] Biasin, E; van Driel, TB; Kjaer, KS; Dohn, AO; Christensen, M; Harlang, T; Chabera, P; Liu, YZ; Uhlig, J; Papai, M; Nemeth, Z; Hartsock, R; Liang, W; Zhang, JX; Alonso-Mori, R; Chollet, M; Glowina, JM; Nelson, S; Sokaras, D; Assefa, TA; Britz, A; Galler, A; Gawelda, W; Bressler, C; Gaffney, KJ; Lemke, HT; Moller, KB; Nielsen, MM; Sundstrom, V; Vanko, G; Warnmark, K; Canton, SE; Haldrup, K, Femtosecond X-Ray Scattering Study of Ultrafast Photoinduced Structural Dynamics in Solvated [Co(terpy)(2)](2+), PHYS REV LETT, vol. 117(1), art.no. 013002, (2016) 10.1103/PHYSREVLETT.117.013002

IF CITARE: 8.462

[46.11] Aiyappa, HB; Thote, J; Shinde, DB; Banerjee, R; Kurungot, S, Cobalt-Modified Covalent Organic Framework as a Robust Water Oxidation Electrocatalyst, CHEM MATER, vol. 28(12), pp. 4375-4379, , (2016) 10.1021/ACS.CHEMMATER.6B01370

IF CITARE: 9.466

[46.12] Kreitner, C; Mengel, AKC; Lee, TK; Cho, W; Char, K; Kang, YS; Heinze, K, Strongly Coupled Cyclometalated Ruthenium Triarylamine Chromophores as Sensitizers for DSSCs, CHEM-EUR J, vol. 22(26), pp. 8915-8928, , (2016) 10.1002/CHEM.201601001

IF CITARE: 5.317

[46.13] Yao, G; Berry, M; May, PS; Wang, JW; Kilin, DS, Relationship between Site Symmetry, Spin State, and Doping Concentration for Co(II) or Co(III) in beta-NaYF4, J PHYS CHEM C, vol. 120(14), pp. 7785-7794, , (2016) 10.1021/ACS.JPCC.5B11496

IF CITARE: 4.536

[46.14] Thompson, MJ; Blakeney, KJ; Cady, SD; Reichert, MD; Del Pilar-Albaladejo, J; White, ST; Vela, J, Cu2ZnSnS4 Nanorods Doped with Tetrahedral, High Spin Transition Metal Ions: Mn2+, Co2+, and Ni2+, CHEM MATER, vol. 28(6), pp. 1668-1677, , (2016) 10.1021/ACS.CHEMMATER.5B04411

IF CITARE: 9.466

- [46.15] Shaffer, DW; Bhowmick, I; Rheingold, AL; Tsay, C; Livesay, BN; Shores, MP; Yang, JY, Spin-state diversity in a series of Co(II) PNP pincer bromide complexes, *DALTON T*, vol. 45(44), pp. 17910-17917, , (2016) 10.1039/C6DT03461F
IF CITARE: 4.029
- [46.16] Kreitner, C; Heinze, K, Excited state decay of cyclometalated polypyridine ruthenium complexes: insight from theory and experiment, *DALTON T*, vol. 45(35), pp. 13631-13647, , (2016) 10.1039/C6DT01989G
IF CITARE: 4.029
- [46.17] Pastore, M; Etienne, T; De Angelis, F, Structural and electronic properties of dye-sensitized TiO₂ for solar cell applications: from single molecules to self-assembled monolayers, *J MATER CHEM C*, vol. 4(20), pp. 4346-4373, , (2016) 10.1039/C6TC00554C
IF CITARE: 5.256
- [46.18] Taylor, RA; Lough, AJ; Lemaire, MT, Spin-crossover in a homoleptic cobalt(II) complex containing a redox-active NNO ligand, *J MATER CHEM C*, vol. 4(3), pp. 455-459, , (2016) 10.1039/C5TC03137K
IF CITARE: 5.256
- [46.19] England, J; Bill, E; Weyhermuller, T; Neese, F; Atanasov, M; Wieghardt, K, Molecular and Electronic Structures of Homoleptic Six-Coordinate Cobalt(II) Complexes of 2,2':6',2''-Terpyridine, 2,2'-Bipyridine, and 1,10-Phenanthroline. An Experimental and Computational Study, *INORG CHEM*, vol. 54(24), pp. 12002-12018, , (2015) 10.1021/ACS.INORGCHEM.5B02415
IF CITARE: 4.820
- [46.20] Madadi, A; Itazaki, M; Gable, RW; Mobaraki, B; Murray, KS; Boskovic, C, Electronic Lability in a Dinuclear Cobalt-Bis(dioxolene) Complex, *EUR J INORG CHEM*, vol. (30), pp. 4991-4995, , (2015) 10.1002/EJIC.201500980
IF CITARE: 2.686
- [46.21] Palii, A; Ostrovsky, S; Reu, O; Tsukerblat, B; Decurtins, S; Liu, SX; Klokishner, S, Microscopic theory of cooperative spin crossover: Interaction of molecular modes with phonons, *J CHEM PHYS*, vol. 143(8), art.no. 084502, (2015) 10.1063/1.4928642
IF CITARE: 2.894
- [46.22] Giribabu, L; Bolligarla, R; Panigrahi, M, Recent Advances of Cobalt(II/III) Redox Couples for Dye-Sensitized Solar Cell Applications, *CHEM REC*, vol. 15(4), pp. 760-+, , (2015) 10.1002/TCR.201402098
IF CITARE: 3.459
- [46.23] Mengel, AKC; Cho, W; Breivogel, A; Char, K; Kang, YS; Heinze, K, A Bis(tridentate) cobalt Polypyridine Complex as Mediator in Dye-Sensitized Solar Cells, *EUR J INORG CHEM*, vol. (20), pp. 3299-3306, , (2015) 10.1002/EJIC.201500252
IF CITARE: 2.686
- [46.24] Orso, KB; Jonsson, EO; Jacobsen, KW; Thygesen, KS, Importance of the Reorganization Energy Barrier in Computational Design of Porphyrin-Based Solar Cells with Cobalt-Based Redox Mediators, *J PHYS CHEM C*, vol. 119(23), pp. 12792-12800, , (2015) 10.1021/JP512627E
IF CITARE: 4.509
- [46.25] Miller, RG; Brooker, S, Spin Crossover, Reversible Redox, and Supramolecular Interactions in 3d Complexes of 4-(4-Pyridyl)-2,5-dipyrzylpyridine, *INORG CHEM*, vol. 54(11), pp. 5398-5409, , (2015) 10.1021/ACS.INORGCHEM.5B00428
IF CITARE: 4.820
- [46.26] Liu, W; Bao, X; Li, JY; Qin, YL; Chen, YC; Ni, ZP; Tong, ML, High-Temperature Spin Crossover in Two Solvent-Free Coordination Polymers with Unusual High Thermal Stability, *INORG CHEM*, vol. 54(6), pp. 3006-3011, , (2015) 10.1021/ACS.INORGCHEM.5B00119
IF CITARE: 4.820
- [46.27] Kamebuchi, H; Nakamoto, A; Yokoyama, T; Kojima, N, Fastener Effect on Uniaxial Chemical Pressure for One-Dimensional Spin-Crossover System, [Fe-II(NH₂-trz)(3)](CnH₂n+1SO₃)(2)center dot xH(2)O: Magnetostructural Correlation and Ligand Field Analysis, *B CHEM SOC JPN*, vol. 88(3), pp. 419-430, , (2015) 10.1246/BCSJ.20140361
IF CITARE: 1.372
- [46.28] Sun, ZZ; Li, QS; Sun, PP; Li, ZS, Probing the regeneration process of triphenylamine-based organic dyes in dye-sensitized solar cells, *J POWER SOURCES*, vol. 276, pp. 230-237, , (2015) 10.1016/J.JPOWSOUR.2014.11.107
IF CITARE: 6.333
- [46.29] Luo, YH; Liu, QL; Yang, LJ; Ling, Y; Wang, W; Sun, BW, Ligand field and intermolecular interactions tuning the magnetic properties of spin-crossover Fe(II) polymer with 4,4'-bipyridine, *J SOLID STATE CHEM*, vol. 222, pp. 76-83, , (2015) 10.1016/J.JSSC.2014.11.006
IF CITARE: 2.265
- [46.30] Canton, SE; Zhang, X; Liu, Y; Zhang, J; Papai, M; Corani, A; Smeigh, AL; Smolentsev, G; Attenkofer, K; Jennings, G; Kurtz, CA; Li, F; Harlang, T; Vithanage, D; Chabera, P; Bordage, A; Sun, L; Ott, S; Warnmark, K; Sundstrom, V, Watching the dynamics of electrons and atoms at work in solar energy conversion, *FARADAY DISCUSS*, vol. 185, pp. 51-68, , (2015) 10.1039/C5FD00084J
IF CITARE: 3.544
- [46.31] Takami, K; Ohtani, R; Nakamura, M; Kurogi, T; Sugimoto, M; Lindoy, LF; Hayami, S, Redox induced colour changes between red-violet and blue in hetero-metal complexes of the type [Co-II(4'-ferrocenyl-2,2':6',2''-terpyridine)(2)]X-2 (X = counter anion), *DALTON T*, vol. 44(42), pp. 18354-18359, , (2015) 10.1039/C5DT02592C
IF CITARE: 4.177
- [46.32] Zhang, X; Xie, HM; Ballesteros-Rivas, M; Wang, ZX; Dunbar, KR, Structural distortions of the spin-crossover material [Co(pyterpy)(2)](TCNQ)(2) mediated by supramolecular interactions, *J MATER CHEM C*, vol. 3(36), pp. 9292-9298, , (2015) 10.1039/C5TC01851J
IF CITARE: 5.066
- [46.33] Harding, DJ; Phonsri, W; Harding, P; Murray, KS; Mobaraki, B; Jameson, GNL, Abrupt two-step and symmetry breaking spin crossover in an iron(III) complex: an exceptionally wide [LS-HS] plateau, *DALTON T*, vol. 44(34), pp. 15079-15082, , (2015) 10.1039/C4DT03184A
IF CITARE: 4.177
- [46.34] Abdullah, N; Noor, NLM; Nordin, AR; Halcrow, MA; MacFarlane, DR; Lazar, MA; Pringle, JM; Bruce, DW; Donnio, B; Heinrich, B, Spin-crossover, mesomorphic and thermoelectrical properties of cobalt(II) complexes with alkylated N-3-Schiff bases, *J MATER CHEM C*, vol. 3(11), pp. 2491-2499, , (2015) 10.1039/C4TC02923B
IF CITARE: 5.066
- [46.35] Frenzel, BA; Mergerdichian, Z; Schumaker, JE; Kuester, CT; Hamaker, CG; Hightower, SE, Synthesis, structural characterization and spectroscopic properties of cobalt complexes with the 2,6-bis(8'-quinolinyl)pyridine ligand, *POLYHEDRON*, vol. 81, pp. 653-660, , (2014) 10.1016/J.POLY.2014.07.029
IF CITARE: 2.011
- [46.36] Samanta, K; Saha-Dasgupta, T, Spin state of Mn²⁺ and magnetism in vanadate-carbonate compound, K₂Mn₃(VO₄)(₂)CO₃, *PHYS REV B*, vol. 90(6), art.no. 064420, (2014) 10.1103/PHYSREVB.90.064420
IF CITARE: 3.736
- [46.37] Schweinfurth, D; Demeshko, S; Hohloch, S; Steinmetz, M; Brandenburg, JG; Dechert, S; Meyer, F; Grimme, S; Sarkar, B, Spin Crossover in Fe(II) and Co(II) Complexes with the Same Click-Derived Tripodal Ligand, *INORG CHEM*, vol. 53(16), pp. 8203-8212, , (2014) 10.1021/IC500264K
IF CITARE: 4.762
- [46.38] Ung, G; Rittle, J; Soleilhavoup, M; Bertrand, G; Peters, JC, Two-Coordinate Fe-0 and Co-0 Complexes Supported by Cyclic (alkyl)(amino) carbenes, *ANGEW CHEM INT EDIT*, vol. 53(32), pp. 8427-8431, , (2014) 10.1002/ANIE.201404078
IF CITARE: 11.261
- [46.39] Gass, IA; Tewary, S; Rajaraman, G; Asadi, M; Lupton, DW; Mobaraki, B; Chastanet, G; Letard, JF; Murray, KS, Solvate-Dependent Spin Crossover and Exchange in Cobalt(II) Oxazolidine Nitroxide Chelates, *INORG CHEM*, vol. 53(10), pp. 5055-5066, , (2014) 10.1021/IC5001057
IF CITARE: 4.762

- [46.40] Wu, SQ; Wang, YT; Cui, AL; Kou, HN, Toward Higher Nuclearity: Tetranuclear Cobalt(II) Metallogrid Exhibiting Spin Crossover, *INORG CHEM*, vol. 53(5), pp. 2613-2618, , (2014) 10.1021/IC402971A
IF CITARE: 4.762
- [46.41] Novikov, VV; Ananyev, IV; Pavlov, AA; Fedin, MV; Lyssenko, KA; Voloshin, YZ, Spin-Crossover Anticooperativity Induced by Weak Intermolecular Interactions, *J PHYS CHEM LETT*, vol. 5(3), pp. 496-500, , (2014) 10.1021/JZ402678Q
IF CITARE: 7.458
- [46.42] Koudriavtsev, AB; Linert, W, The Hamiltonian of the molecular statistical model of spin crossover, *MONATSH CHEM*, vol. 145(2), pp. 261-266, , (2014) 10.1007/S00706-013-1102-8
IF CITARE: 1.222
- [46.43] Chen, JM; Chin, YY; Valldor, M; Hu, ZW; Lee, JM; Haw, SC; Hiraoka, N; Ishii, H; Pao, CW; Tsuei, KD; Lee, JF; Lin, HJ; Jang, LY; Tanaka, A; Chen, CT; Tjeng, LH, A Complete High-to-Low spin state Transition of Trivalent Cobalt Ion in Octahedral Symmetry in $\text{SrCo}_0.5\text{Ru}_{0.5}\text{O}_{3-\delta}$, *J AM CHEM SOC*, vol. 136(4), pp. 1514-1519, , (2014) 10.1021/JA4114006
IF CITARE: 12.113
- [46.44] Sun, ZZ; Zheng, KM; Li, QS; Li, ZS, Rational design of Co-based redox mediators for dye-sensitized solar cells by density functional theory, *RSC ADV*, vol. 4(60), pp. 31544-31551, , (2014) 10.1039/C4RA04605F
IF CITARE: 3.840
- [46.45] Borgogno, A; Rastrelli, F; Bagno, A, Predicting the spin state of paramagnetic iron complexes by DFT calculation of proton NMR spectra, *DALTON T*, vol. 43(25), pp. 9486-9496, , (2014) 10.1039/C4DT00671B
IF CITARE: 4.197
- [46.46] Nia, NY; Farahani, P; Sabzyan, H; Zendehelel, M; Oftadeh, M, A combined computational and experimental study of the $[\text{Co}(\text{bpy})(3)]^{2+/3+}$ complexes as one-electron outer-sphere redox couples in dye-sensitized solar cell electrolyte media, *PHYS CHEM CHEM PHYS*, vol. 16(23), pp. 11481-11491, , (2014) 10.1039/C3CP55034F
IF CITARE: 4.493
- [46.47] Miller, RG; Narayanaswamy, S; Tallon, JL; Brooker, S, Spin crossover with thermal hysteresis in cobalt(II) complexes and the importance of scan rate, *NEW J CHEM*, vol. 38(5), pp. 1932-1941, , (2014) 10.1039/C3NJ01451G
IF CITARE: 3.086
- [46.48] Mulyana, Y; Alley, KG; Davies, KM; Abrahams, BF; Moubaraki, B; Murray, KS; Boskovic, C, Dinuclear cobalt(II) and cobalt(III) complexes of bis-bidentate naphthoquinone ligands, *DALTON T*, vol. 43(6), pp. 2499-2511, , (2014) 10.1039/C3DT52811A
IF CITARE: 4.197
- [46.49] Ostrovsky, SM; Reu, OS; Palii, AV; Clemente-Leon, M; Coronado, E; Waerenborgh, JC; Klokishner, SI, Modeling the Magnetic Properties and Mossbauer Spectra of Multifunctional Magnetic Materials Obtained by Insertion of a Spin-Crossover Fe(III) Complex into Bimetallic Oxalate-Based Ferromagnets, *INORG CHEM*, vol. 52(23), pp. 13536-13545, , (2013) 10.1021/IC401997W
IF CITARE: 4.794
- [46.50] Salvatori, P; Marotta, G; Cinti, A; Mosconi, E; Panigrahi, M; Giribabu, L; Nazeeruddin, MK; De Angelis, F, A new terpyridine cobalt complex redox shuttle for dye-sensitized solar cells, *INORG CHIM ACTA*, vol. 406, pp. 106-112, , (2013) 10.1016/J.ICA.2013.07.003
IF CITARE: 2.041
- [46.51] Napolitano, F; Soldati, AL; Geck, J; Lamas, DG; Seyquis, A, Electronic and structural properties of $\text{La}_{0.4}\text{Sr}_{0.6}\text{Ti}_{1-y}\text{Co}_y\text{O}_3 \pm \delta$ electrode materials for symmetric SOFC studied by hard X-ray absorption spectroscopy, *INT J HYDROGEN ENERG*, vol. 38(21), pp. 8965-8973, , (2013) 10.1016/J.IJHYDENE.2013.05.005
IF CITARE: 2.930
- [46.52] Yamauchi, K; Hamada, I; Oguchi, T, Highly sensitive spin-crossover transition in a metal-organic molecular crystal, *PHYS REV B*, vol. 88(3), art.no. 035110, (2013) 10.1103/PHYSREVB.88.035110
IF CITARE: 3.664
- [46.53] Gass, IA; Tewary, S; Nafady, A; Chilton, NF; Gartshore, CJ; Asadi, M; Lupton, DW; Moubaraki, B; Bond, AM; Boas, JF; Guo, SX; Rajaraman, G; Murray, KS, Observation of Ferromagnetic Exchange, Spin Crossover, Reductively Induced Oxidation, and Field-Induced Slow Magnetic Relaxation in Monomeric Cobalt Nitroxides, *INORG CHEM*, vol. 52(13), pp. 7557-7572, , (2013) 10.1021/IC400565H
IF CITARE: 4.794
- [46.54] Canton, SE; Zhang, XY; Zhang, JX; van Driel, TB; Kjaer, KS; Haldrup, K; Chabera, P; Harlang, T; Suarez-Alcantara, K; Liu, YZ; Perez, J; Bordage, A; Papai, M; Vanko, G; Jennings, G; Kurtz, CA; Rovezzi, M; Glatzel, P; Smolentsev, G; Uhlig, J; Dohn, AO; Christensen, M; Galler, A; Gawelda, W; Bressler, C; Lemke, HT; Moller, KB; Nielsen, MM; Lomoth, R; Warmark, K; Sundstrom, V, Toward Highlighting the Ultrafast Electron Transfer Dynamics at the Optically Dark Sites of Photocatalysts, *J PHYS CHEM LETT*, vol. 4(11), pp. 1972-1976, , (2013) 10.1021/JZ401016H
IF CITARE: 6.687
- [46.55] Klein, A; Krest, A; Nitsche, S; Stirnat, K; Valldor, M, First Homoleptic Complexes of the Tridentate Pyridine-2,6-ditrazolate Ligand, *EUR J INORG CHEM*, vol. (15), pp. 2757-2767, , (2013) 10.1002/EJIC.201201473
IF CITARE: 2.965
- [46.56] Voloshin, YZ; Lebedev, AY; Novikov, VV; Dolganov, AV; Vologzhanina, AV; Lebed, EG; Pavlov, AA; Starikova, ZA; Buzin, MI; Bubnov, YN, Template synthesis, X-ray structure, spectral and redox properties of the paramagnetic alkylboron-capped cobalt(II) clathrochelates and their diamagnetic iron(II)-containing analogs, *INORG CHIM ACTA*, vol. 399, pp. 67-78, , (2013) 10.1016/J.ICA.2012.12.042
IF CITARE: 2.041
- [46.57] Khusnutdinova, JR; Luo, J; Rath, NP; Mirica, LM, Late First-Row Transition Metal Complexes of a Tetradentate Pyridinophane Ligand: Electronic Properties and Reactivity Implications, *INORG CHEM*, vol. 52(7), pp. 3920-3932, , (2013) 10.1021/IC400260Z
IF CITARE: 4.794
- [46.58] Forster, C; Mack, K; Carrella, LM; Ksenofontov, V; Rentschler, E; Heinze, K, Coordination of expanded terpyridine ligands to cobalt, *POLYHEDRON*, vol. 52, pp. 576-581, , (2013) 10.1016/J.POLY.2012.08.008
IF CITARE: 2.047
- [46.59] Gutlich, P, Spin Crossover - Quo Vadis?, *EUR J INORG CHEM*, vol. (5-6), pp. 581-591, , (2013) 10.1002/EJIC.201300092
IF CITARE: 2.965
- [46.60] Xie, YL; Hamann, TW, Fast Low-Spin Cobalt Complex Redox Shuttles for Dye-Sensitized Solar Cells, *J PHYS CHEM LETT*, vol. 4(2), pp. 328-332, , (2013) 10.1021/JZ301934E
IF CITARE: 6.687
- [46.61] Gaddie, RS; Moss, CB; Elliott, CM, Cyclic Voltammetric Study of Cobalt Poly-4-t-butylpyridine Ligand Complexes on Glassy Carbon Electrodes: Electrolyte Dependence and Mechanistic Considerations, *LANGMUIR*, vol. 29(2), pp. 825-831, , (2013) 10.1021/LA304262A
IF CITARE: 4.384
- [46.62] Zou, Y; Li, YY; Yu, CY; Yin, F; Lah, MS, A supramolecular self-assembled flexible open framework based on the coordination of honeycomb layers possessing octahedral and tetrahedral Co-II geometries, *RSC ADV*, vol. 3(43), pp. 19889-19893, , (2013) 10.1039/C3RA43290D
IF CITARE: 3.708
- [46.63] Lee, YH; Won, MS; Harrowfield, JM; Kawata, S; Hayami, S; Kim, Y, Spin crossover in Co(II) metallorods - replacing aliphatic tails by aromatic, *DALTON T*, vol. 42(32), pp. 11507-11521, , (2013) 10.1039/C3DT51396C
IF CITARE: 4.097
- [46.64] Xue, D; Ashbrook, LN; Gaddie, RS; Elliott, CM, Tris(4,4'-di-t-butyl-2,2'-bipyridine)cobalt: Cation Effects on the Voltammetry at ITO and on Mediator Performance in Dye Sensitized Solar Cells, *J ELECTROCHEM SOC*, vol. 160(6), pp. H355-H359, , (2013) 10.1149/2.115306JES

IF CITARE: 2.859

[46.65] Jeon, IR; Calancea, S; Panja, A; Cruz, DMP; Koumoussi, ES; Dechambenoit, P; Coulon, C; Wattiaux, A; Rosa, P; Mathoniere, C; Clerac, R, Spin crossover or intra-molecular electron transfer in a cyanido-bridged Fe/Co dinuclear dumbbell: a matter of state, CHEM SCI, vol. 4(6), pp. 2463-2470, , (2013) 10.1039/C3SC22069A

IF CITARE: 8.601

[46.66] Vargas, A; Krivokapic, I; Hauser, A; Daku, LML, Towards accurate estimates of the spin-state energetics of spin-crossover complexes within density functional theory: a comparative case study of cobalt(II) complexes, PHYS CHEM CHEM PHYS, vol. 15(11), pp. 3752-3763, , (2013) 10.1039/C3CP44336A

IF CITARE: 4.198

[46.67] Mosconi, E; Yum, JH; Kessler, F; Garcia, CJG; Zuccaccia, C; Cinti, A; Nazeeruddin, MK; Gratzel, M; De Angelis, F, Cobalt Electrolyte/Dye Interactions in Dye-Sensitized Solar Cells: A Combined Computational and Experimental Study, J AM CHEM SOC, vol. 134(47), pp. 19438-19453, , (2012) 10.1021/JA3079016

IF CITARE: 10.677

[46.68] Shongwe, MS; Al-Zaabi, UA; Al-Mjeni, F; Eribal, CS; Sinn, E; Al-Omari, IA; Hamdeh, HH; Matoga, D; Adams, H; Morris, MJ; Rheingold, AL; Bill, E; Sellmyer, DJ, Accessibility and Selective Stabilization of the Principal Spin States of Iron by Pyridyl versus Phenolic Ketimines: Modulation of the (6)A(1) <-> T-2(2) Ground-State Transformation of the [FeN4O2](+) Chromophore, INORG CHEM, vol. 51(15), pp. 8241-8253, , (2012) 10.1021/IC300732R

IF CITARE: 4.593

[46.69] Wolny, JA; Diller, R; Schunemann, V, Vibrational Spectroscopy of Mono- and Polynuclear Spin-Crossover Systems, EUR J INORG CHEM, vol. (16), pp. 2635-2648, , (2012) 10.1002/EJIC.201200059

IF CITARE: 3.120

[46.70] Cowan, MG; Olguin, J; Narayanaswamy, S; Tallon, JL; Brooker, S, Reversible Switching of a Cobalt Complex by Thermal, Pressure, and Electrochemical Stimuli: Abrupt, Complete, Hysteretic Spin Crossover, J AM CHEM SOC, vol. 134(6), pp. 2892-2894, , (2012) 10.1021/JA208429U

IF CITARE: 10.677

[46.71] Cantalupo, SA; Fiedler, SR; Shores, MP; Rheingold, AL; Doerrer, LH, High-Spin Square-Planar CoII and FeII Complexes and Reasons for Their Electronic Structure, ANGEW CHEM INT EDIT, vol. 51(4), pp. 1000-1005, , (2012) 10.1002/ANIE.201106091

IF CITARE: 13.734

[46.72] Manner, VW; Lindsay, AD; Mader, EA; Harvey, JN; Mayer, JM, Spin-forbidden hydrogen atom transfer reactions in a cobalt biimidazoline system, CHEM SCI, vol. 3(1), pp. 230-243, , (2012) 10.1039/C1SC00387A

IF CITARE: 8.314

[46.73] Frazier, BA; Bartholomew, ER; Wolczanski, PT; DeBeer, S; Santiago-Berrios, M; Abruna, HD; Lobkovsky, EB; Bart, SC; Mossin, S; Meyer, K; Cundari, TR, Synthesis and Characterization of (smif)(2)M-n (n=0, M = V, Cr, Mn, Fe, Co, Ni, Ru; n =+1, M = Cr, Mn, Co, Rh, Ir; smif=1,3-di-(2-pyridyl)-2-azaallyl), INORG CHEM, vol. 50(24), pp. 12414-12436, , (2011) 10.1021/IC200376F

IF CITARE: 4.601

[46.74] Jonsson, EO; Thygesen, KS; Ulstrup, J; Jacobsen, KW, Ab Initio Calculations of the Electronic Properties of Polypyridine Transition Metal Complexes and Their Adsorption on Metal Surfaces in the Presence of Solvent and Counterions, J PHYS CHEM B, vol. 115(30), pp. 9410-9416, , (2011) 10.1021/JP200893W

IF CITARE: 3.696

[46.75] Schweinfurth, D; Weissner, F; Bubrin, D; Bogani, L; Sarkar, B, Cobalt Complexes with "Click"-Derived Functional Tripodal Ligands: Spin Crossover and Coordination Ambivalence, INORG CHEM, vol. 50(13), pp. 6114-6121, , (2011) 10.1021/IC200246V

IF CITARE: 4.601

[46.76] Perera, S; Li, XP; Guo, MM; Wesdemiotis, C; Moorefield, CN; Newkome, GR, Sterically congested, hexameric tetrakispyridinyl-Pd-II/Cd-II-metallomacrocycles: self-assembly and structural characterization, CHEM COMMUN, vol. 47(16), pp. 4658-4660, , (2011) 10.1039/C1CC10649J

IF CITARE: 6.169

[46.77] Halcrow, MA, Structure: function relationships in molecular spin-crossover complexes, CHEM SOC REV, vol. 40(7), pp. 4119-4142, , (2011) 10.1039/C1CS15046D

IF CITARE: 28.760

[46.78] Constable, EC; Harris, K; Housecroft, CE; Neuburger, M; Zampese, JA, Environmental control of solution speciation in cobalt(II) 2,2':6',2"-terpyridine complexes: anion and solvent dependence, DALTON T, vol. 40(43), pp. 11441-11450, , (2011) 10.1039/C1DT10757G

IF CITARE: 3.838

[46.79] Voloshin, YZ; Varzatskii, OA; Novikov, VV; Strizhakova, NG; Vorontsov, II; Vologzhanina, AV; Lyssenko, KA; Romanenko, GV; Fedin, MV; Ovcharenko, VI; Bubnov, YN, Tris-Dioximate Cobalt(I,II,III) Clathrochelates: Stabilization of Different Oxidation and Spin States of an Encapsulated Metal Ion by Ribbed Functionalization, EUR J INORG CHEM, vol. (34), pp. 5401-5415, , (2010) 10.1002/EJIC.201000444

IF CITARE: 2.910

[46.80] Koudriavtsev, AB; Linert, W, Spin crossover - An unusual chemical equilibrium, J STRUCT CHEM+, vol. 51(2), pp. 335-365, , (2010) 10.1007/S10947-010-0051-X

IF CITARE: 0.547

[46.81] Tang, GT; Wang, QL; Liao, DZ; Yang, GM, Spin Crossover and Its Research Progress, PROG CHEM, vol. 22(2-3), pp. 257-264, , (2010)

IF CITARE: 0.560

[46.82] Graf, M; Wolmershauser, G; Kelm, H; Demeschko, S; Meyer, F; Kruger, HJ, Temperature-Induced Spin-Transition in a Low-Spin Cobalt(II) Semiquinonate Complex, ANGEW CHEM INT EDIT, vol. 49(5), pp. 950-953, , (2010) 10.1002/ANIE.200903789

IF CITARE: 12.730

[46.83] Halcrow, MA, Using one spin-transition to trigger another in solid solutions of two different spin-crossover complexes, CHEM COMMUN, vol. 46(26), pp. 4761-4763, , (2010) 10.1039/C0CC00603C

IF CITARE: 5.787

[46.84] Constable, EC; Harris, K; Housecroft, CE; Neuburger, M; Zampese, JA, Turning {M(tpy)(2)}(n+) embraces and CH center dot center dot center dot pi interactions on and off in homoleptic cobalt(II) and cobalt(III) bis(2,2':6',2"-terpyridine) complexes, CRYSTENGCOMM, vol. 12(10), pp. 2949-2961, , (2010) 10.1039/C002834G

IF CITARE: 4.006

[46.85] Zhang, L; Xu, GC; Xu, HB; Mereacre, V; Wang, ZM; Powell, AK; Gao, S, Synthesis, magnetic and photomagnetic study of new iron(II) spin-crossover complexes with N4O2 coordination sphere, DALTON T, vol. 39(20), pp. 4856-4868, , (2010) 10.1039/B925482J

IF CITARE: 3.647

[46.86] Kilner, CA; Halcrow, MA, An unusual discontinuity in the thermal spin transition in [Co(terpy)(2)][BF4](2), DALTON T, vol. 39(38), pp. 9008-9012, , (2010) 10.1039/C0DT00295J

IF CITARE: 3.647

[46.87] Koudriavtsev, AB; Linert, W, Ising-like hamiltonian and free energy functional: Two fundamentally different models of spin crossover, J STRUCT CHEM+, vol. 50(6), pp. 1181-1185, , (2009) 10.1007/S10947-009-0174-0

IF CITARE: 0.453

[46.88] Halcrow, MA, Iron(II) complexes of 2,6-di(pyrazol-1-yl)pyridines-A versatile system for spin-crossover research, COORDIN CHEM REV, vol. 253(21-22), pp. 2493-2514, , (2009) 10.1016/J.CCR.2009.07.009

IF CITARE: 11.225

[46.89] Kruger, HJ, Spin transition in octahedral metal complexes containing tetraazamacrocyclic ligands, COORDIN CHEM REV, vol. 253(19-20), pp. 2450-2459, , (2009) 10.1016/J.CCR.2009.06.004

IF CITARE: 11.225

[46.90] Yeung, CT; Sham, KC; Lee, WS; Wong, WT; Wong, WY; Kwong, HL, Cobalt and iron complexes of chiral C-1- and C-2-terpyridines: Synthesis, characterization and use in catalytic asymmetric cyclopropanation of styrenes, INORG CHIM ACTA, vol. 362(9), pp. 3267-3273, , (2009) 10.1016/J.ICA.2009.02.034

IF CITARE: 2.322

[46.91] Daku, LML; Castaings, A; Marchon, JC, Density-Functional Theory Study of the Stereochemistry of Chloroiron(III) and Chloromanganese(III) Complexes of a Bridled Chiorporphyrin, INORG CHEM, vol. 48(12), pp. 5164-5176, , (2009) 10.1021/IC900031C

IF CITARE: 4.657

[46.92] Lord, RL; Schultz, FA; Baik, MH, Spin Crossover-Coupled Electron Transfer of [M(tacn)(2)](3+/2+) Complexes (tacn=1,4,7-Triazacyclononane; M = Cr, Mn, Fe, Co, Ni), J AM CHEM SOC, vol. 131(17), pp. 6189-6197, , (2009) 10.1021/JA809552P

IF CITARE: 8.580

[46.93] Frazier, BA; Wolczanski, PT; Lobkovsky, EB; Cundari, TR, Unusual Electronic Features and Reactivity of the Dipyritydylazaallyl Ligand: Characterizations of (smif)(2)M [M = Fe, Co, Co+, Ni; smif = {(2-py)CH}(2)N] and [(TMS)(2)NFe](2)(smif)(2), J AM CHEM SOC, vol. 131(10), pp. 3428-+, , (2009) 10.1021/JA8089747

IF CITARE: 8.580

[46.94] Kuzu, I; Krummenacher, I; Hewitt, IJ; Lan, Y; Mereacre, V; Powell, AK; Hoefer, P; Harmer, J; Breher, F, Syntheses, Structures and Electronic Properties of Zwitterionic Iron(II) and Cobalt(II) Complexes Featuring Ambidentate Tris(pyrazolyl)methanide Ligands, CHEM-EUR J, vol. 15(17), pp. 4350-4365, , (2009) 10.1002/CHEM.200802317

IF CITARE: 5.382

[46.95] Tovee, CA; Kilner, CA; Thomas, JA; Halcrow, MA, Co-crystallising two functional complex molecules in a terpyridine embrace lattice, CRYSTENGCOMM, vol. 11(10), pp. 2069-2077, , (2009) 10.1039/B904528G

IF CITARE: 4.183

[46.96] Vargas, A; Hauser, A; Daku, LML, Influence of Guest-Host Interactions on the Structural, Energetic, and Mossbauer Spectroscopy Properties of Iron(II)tris(2,2'-bipyridine) in the Low-Spin and High-Spin States: A Density-Functional Theory Study of the Zeolite-Y Embedded Complex, J CHEM THEORY COMPUT, vol. 5(1), pp. 97-115, , (2009) 10.1021/CT800284G

IF CITARE: 4.804

[46.97] Koudriavtsev, AB; Linert, W, Comparative analysis of the Ising-like Hamiltonian and molecular statistical models of spin crossover, MATCH-COMMUN MATH CO, vol. 62(1), pp. 5-22, , (2009)

IF CITARE: 3.217

[46.98] Szacilowski, K, Digital information processing in molecular systems, CHEM REV, vol. 108(9), pp. 3481-3548, , (2008) 10.1021/CR068403Q

IF CITARE: 23.592

[46.99] Hassan, N; Koudriavtsev, AB; Linert, W, Isoequilibrium relationships and cooperative effects in spin-state transitions in solution, PURE APPL CHEM, vol. 80(6), pp. 1281-1292, , (2008) 10.1351/PAC20080061281

IF CITARE: 2.237

[46.100] Kou, HZ; Sato, O, New oxalate-bridged Cr(III)-Mn(II) polymeric network incorporating a spin-crossover [Co(terpypy)(2)](2+) cation, INORG CHEM, vol. 46(23), pp. 9513-9515, , (2007) 10.1021/IC701043F

IF CITARE: 4.123

[46.101] Daku, LML; Linares, J; Boillot, ML, Ab initio static and molecular dynamics study of 4-styrylpyridine, CHEMPHYSICHEM, vol. 8(9), pp. 1402-1416, , (2007) 10.1002/CPHC.200700117

IF CITARE: 3.502

[46.102] Schmiedekamp, AM; Ginnetti, A; Piccione, B; Cannon, K; Ryan, MD, Six-coordinate Co2+ with imidazole, NH3, and H2O ligands: Approaching spin crossover, INT J QUANTUM CHEM, vol. 107(6), pp. 1415-1429, , (2007) 10.1002/QUA.21282

IF CITARE: 1.368

[46.103] Carabineiro, SA; Gomes, PT; Veiros, LF; Freire, C; Pereira, LCJ; Henriques, RT; Warren, JE; Pascu, SI, Bis(ketopyrrolyl) complexes of Co(II) stabilised by trimethylphosphine ligands, DALTON T, vol. (46), pp. 5460-5470, , (2007) 10.1039/B710162G

IF CITARE: 3.212

autori=10 IF=8.568 UAIC I.1(ISI)=53.908 nr.citari=103 UAIC I.12 (Citari)=1223.582

[47] Enachescu, C; Stancu, A, FORC analysis of size effects in ising-type models of disordered magnets, IEEE T MAGN, vol. 42(10), pp. 3156-3158, (2006) 10.1109/TMAG.2006.880140

autori=2 IF=0.938 UAIC I.1(ISI)=40.640 nr.citari=0 UAIC I.12 (Citari)=0.000

[48] Hauser, A; Enachescu, C; Daku, ML; Vargas, A; Amstutz, N, Low-temperature lifetimes of metastable high-spin states in spin-crossover and in low-spin iron(II) compounds: The rule and exceptions to the rule, COORDIN CHEM REV, vol. 250(13-14), pp. 1642-1652, (2006) 10.1016/J.CCR.2005.12.006

[48.1] Jiao, Y; Zhu, JP; Guo, Y; He, WJ; Guo, ZJ, Synergetic effect between spin crossover and luminescence in the [Fe(bpp)(2)][BF4](2) (bpp=2,6-bis(pyrazol-1-yl)pyridine) complex, J MATER CHEM C, vol. 5(21), pp. 5214-5222, , (2017) 10.1039/C7TC00507E

IF CITARE: 5.256

[48.2] Petzold, H; Djomgoue, P; Horner, G; Heider, S; Lochenie, C; Weber, B; Ruffer, T; Schaarschmidt, D, Spin state variability in Fe2+ complexes of substituted (2-(pyridin-2-yl)-1,10-phenanthroline) ligands as versatile terpyridine analogues, DALTON T, vol. 46(19), pp. 6218-6229, , (2017) 10.1039/C7DT00422B

IF CITARE: 4.029

[48.3] Ischenko, AA, Molecular structures and intramolecular dynamics of pentahalides, J MOL STRUCT, vol. 1132, pp. 109-138, , (2017) 10.1016/J.MOLSTRUC.2016.09.030

IF CITARE: 1.753

[48.4] Balde, C; Desplanches, C; Letard, JF; Chastanet, G, Effects of metal dilution on the spin-crossover behavior and light induced bistability of iron(II) in [FexNi(1-x)(bPP)(2)](NCS)(2), POLYHEDRON, vol. 123, pp. 138-144, , (2017) 10.1016/J.POLY.2016.08.046

IF CITARE: 1.926

[48.5] Valverde-Munoz, FJ; Seredyuk, M; Munoz, MC; Znovnyak, K; Fritsky, IO; Real, JA, Strong Cooperative Spin Crossover in 2D and 3D Fe-II-M-I,M-II Hofmann-Like Coordination Polymers Based on 2-Fluoropyrazine, INORG CHEM, vol. 55(20), pp. 10654-10665, , (2016) 10.1021/ACS.INORGCHEM.6B01901

IF CITARE: 4.857

[48.6] Stock, P; Deck, E; Hohnstein, S; Korzekwa, J; Meyer, K; Heinemann, FW; Breher, F; Horner, G, Molecular Spin Crossover in Slow Motion: Light-Induced Spin-State Transitions in Trigonal Prismatic Iron(II) Complexes, INORG CHEM, vol. 55(11), pp. 5254-5265, , (2016) 10.1021/ACS.INORGCHEM.6B00238

IF CITARE: 4.857

[48.7] Schmidt, SO; Naggert, H; Buchholz, A; Brandenburg, H; Bannwarth, A; Plass, W; Tuczek, F, Thermal and Light-Induced Spin Transitions of Fe-II Complexes with 4-and 5-(Phenylazo)-2,2-bipyridine Ligands: Intra- vs. Intermolecular Effects, EUR J INORG CHEM, vol. (13-14), pp. 2175-2186, , (2016) 10.1002/EJIC.201501252

IF CITARE: 2.444

- [48.8] Van Kuiken, BE; Cho, H; Hong, K; Khalil, M; Schoenlein, RW; Kim, TK; Huse, N, Time-Resolved X-ray Spectroscopy in the Water Window: Elucidating Transient Valence Charge Distributions in an Aqueous Fe(II) Complex, *J PHYS CHEM LETT*, vol. 7(3), pp. 465-470, , (2016) 10.1021/ACS.JPCLETT.5B02509
IF CITARE: 9.353
- [48.9] Wachtler, M; Kubel, J; Barthelmes, K; Winter, A; Schmiedel, A; Pascher, T; Lambert, C; Schubert, US; Dietzek, B, Energy transfer and formation of long-lived (MLCT)-M-3 states in multimetallic complexes with extended highly conjugated bis-terpyridyl ligands, *PHYS CHEM CHEM PHYS*, vol. 18(4), pp. 2350-2360, , (2016) 10.1039/C5CP04447B
IF CITARE: 4.123
- [48.10] Wang, HR; Meng, W; Wu, J; Ding, J; Hou, HW; Fan, YT, Crystalline central-metal transformation in metal-organic frameworks, *COORDIN CHEM REV*, vol. 307, pp. 130-146, , (2016) 10.1016/J.CCR.2015.05.009
IF CITARE: 13.324
- [48.11] Saureu, S; de Graaf, C, TD-DFT study of the light-induced spin crossover of Fe(III) complexes, *PHYS CHEM CHEM PHYS*, vol. 18(2), pp. 1233-1244, , (2016) 10.1039/C5CP06620D
IF CITARE: 4.123
- [48.12] Zheng, SP; Reintjens, NRM; Siegler, MA; Roubeau, O; Bouwman, E; Rudavskiy, A; Havenith, RWA; Bonnet, S, Stabilization of the Low-Spin State in a Mononuclear Iron(II) Complex and High-Temperature Cooperative Spin Crossover Mediated by Hydrogen Bonding, *CHEM-EUR J*, vol. 22(1), pp. 331-339, , (2016) 10.1002/CHEM.201503119
IF CITARE: 5.317
- [48.13] Guda, AA; Guda, SA; Soldatov, MA; Lomachenko, KA; Bugaev, AL; Lamberti, C; Gawelda, W; Bressler, C; Smolentsev, G; Soldatov, AV; Joly, Y, Finite difference method accelerated with sparse solvers for structural analysis of the metal-organic complexes, *J PHYS CONF SER*, vol. 712, art.no. 012004, (2016) 10.1088/1742-6596/712/1/012004
IF CITARE: 0.000
- [48.14] Petzold, H; Djomgoue, P; Horner, G; Speck, JM; Ruffer, T; Schaarschmidt, D, H-1 NMR spectroscopic elucidation in solution of the kinetics and thermodynamics of spin crossover for an exceptionally robust Fe²⁺ complex, *DALTON T*, vol. 45(35), pp. 13798-13809, , (2016) 10.1039/C6DT01895E
IF CITARE: 4.029
- [48.15] Nance, J; Bowman, DN; Mukherjee, S; Kelley, CT; Jakubikove, E, Insights into the Spin-State Transitions in [Fe(tpy)(2)](2+): Importance of the Terpyridine Rocking Motion, *INORG CHEM*, vol. 54(23), pp. 11259-11268, , (2015) 10.1021/ACS.INORGCHEM.5B01747
IF CITARE: 4.820
- [48.16] Hong, K; Cho, H; Schoenlein, RW; Kim, TK; Huse, N, Element-Specific Characterization of Transient Electronic Structure of Solvated Fe(II) Complexes with Time-Resolved Soft X-ray Absorption Spectroscopy, *ACCOUNTS CHEM RES*, vol. 48(11), pp. 2957-2966, , (2015) 10.1021/ACS.ACCOUNTS.5B00154
IF CITARE: 22.003
- [48.17] Garcia, JS; Alary, F; Boggio-Pasqua, M; Dixon, IM; Malfant, I; Heully, JL, Establishing the Two-Photon Linkage Isomerization Mechanism in the Nitrosyl Complex trans-[RuCl(NO)(py)(4)](2+) by DFT and TDDFT, *INORG CHEM*, vol. 54(17), pp. 8310-8318, , (2015) 10.1021/ACS.INORGCHEM.5B00998
IF CITARE: 4.820
- [48.18] Paradis, N; Chastanet, G; Palamarciuc, T; Rosa, P; Varret, F; Boukheddaden, K; Letard, JF, Detailed Investigation of the Interplay Between the Thermal Decay of the Low Temperature Metastable HS State and the Thermal Hysteresis of Spin-Crossover Solids, *J PHYS CHEM C*, vol. 119(34), pp. 20039-20050, , (2015) 10.1021/ACS.JPCC.5B03680
IF CITARE: 4.509
- [48.19] Cook, LJK; Thorp-Greenwood, FL; Comyn, TP; Cespedes, O; Chastanet, G; Halcrow, MA, Unexpected Spin-Crossover and a Low-Pressure Phase Change in an Iron(II)/Dipyrazolopyridine Complex Exhibiting a High-Spin Jahn-Teller Distortion, *INORG CHEM*, vol. 54(13), pp. 6319-6330, , (2015) 10.1021/ACS.INORGCHEM.5B00614
IF CITARE: 4.820
- [48.20] Vanko, G; Bordage, A; Papai, M; Haldrup, K; Glatzel, P; March, AM; Doumy, G; Britz, A; Galler, A; Assefa, T; Cabaret, D; Juhin, A; van Driel, TB; Kjaer, KS; Dohn, A; Moller, KB; Lemke, HT; Gallo, E; Rovezzi, M; Nemeth, Z; Rozsalyi, E; Rozgonyi, T; Uhlig, J; Sundstrom, V; Nielsen, MM; Young, L; Southworth, SH; Bressler, C; Gawelda, W, Detailed Characterization of a Nanosecond-Lived Excited State: X-ray and Theoretical Investigation of the Quintet State in Photoexcited [Fe(terpy)(2)](2+), *J PHYS CHEM C*, vol. 119(11), pp. 5888-5902, , (2015) 10.1021/ACS.JPCC.5B00557
IF CITARE: 4.509
- [48.21] Cook, LJK; Shepherd, HJ; Comyn, TP; Balde, C; Cespedes, O; Chastanet, G; Halcrow, MA, Decoupled Spin Crossover and Structural Phase Transition in a Molecular Iron(II) Complex, *CHEM-EUR J*, vol. 21(12), pp. 4805-4816, , (2015) 10.1002/CHEM.201406307
IF CITARE: 5.771
- [48.22] Homenya, P; Heyer, L; Renz, F, Electromagnetic radiation as a spin crossover stimulus, *PURE APPL CHEM*, vol. 87(3), pp. 293-300, , (2015) 10.1515/PAC-2014-1001
IF CITARE: 2.615
- [48.23] Liu, YZ; Kjaer, KS; Fredin, LA; Chabera, P; Harlang, T; Canton, SE; Lidin, S; Zhang, JX; Lomoth, R; Bergquist, KE; Persson, P; Warnmark, K; Sundstrom, V, A Heteroleptic Ferrous Complex with Mesoionic Bis(1,2,3-triazol-5-ylidene) Ligands: Taming the MLCT Excited State of Iron(II), *CHEM-EUR J*, vol. 21(9), pp. 3628-3639, , (2015) 10.1002/CHEM.201405184
IF CITARE: 5.771
- [48.24] Zhang, X; Daku, MLL; Zhang, J; Suarez-Alcantara, K; Jennings, G; Kurtz, CA; Canton, SE, Dynamic Jahn-Teller Effect in the Metastable High-Spin State of Solvated [Fe(terpy)(2)](2+), *J PHYS CHEM C*, vol. 119(6), pp. 3312-3321, , (2015) 10.1021/JP5117068
IF CITARE: 4.509
- [48.25] Canton, SE; Zhang, X; Daku, MLL; Liu, Y; Zhang, J; Alvarez, S, Mapping the Ultrafast Changes of Continuous Shape Measures in Photoexcited Spin Crossover Complexes without Long-Range Order, *J PHYS CHEM C*, vol. 119(6), pp. 3322-3330, , (2015) 10.1021/JP5117189
IF CITARE: 4.509
- [48.26] Canton, SE; Zhang, X; Liu, Y; Zhang, J; Papai, M; Corani, A; Smeigh, AL; Smolentsev, G; Attenkofer, K; Jennings, G; Kurtz, CA; Li, F; Harlang, T; Vithanage, D; Chabera, P; Bordage, A; Sun, L; Ott, S; Warnmark, K; Sundstrom, V, Watching the dynamics of electrons and atoms at work in solar energy conversion, *FARADAY DISCUSS*, vol. 185, pp. 51-68, , (2015) 10.1039/C5FD00084J
IF CITARE: 3.544
- [48.27] Romero-Morcillo, T; Valverde-Munoz, FJ; Pineiro-Lopez, L; Munoz, MC; Romero, T; Molina, P; Real, JA, Spin crossover in iron(II) complexes with ferrocene-bearing triazole-pyridine ligands, *DALTON T*, vol. 44(43), pp. 18911-18918, , (2015) 10.1039/C5DT03084F
IF CITARE: 4.177
- [48.28] Stock, P; Spintig, N; Scholz, J; Epping, JD; Oelsner, C; Wiedemann, D; Grohmann, A; Horner, G, Spin-state dynamics of a photochromic iron(II) complex and its immobilization on oxide surfaces via phenol anchors, *J COORD CHEM*, vol. 68(17-18), pp. 3099-3115, , (2015) 10.1080/00958972.2015.1066778
IF CITARE: 1.756
- [48.29] Abdullah, N; Noor, NLM; Nordin, AR; Halcrow, MA; MacFarlane, DR; Lazar, MA; Pringle, JM; Bruce, DW; Donnio, B; Heinrich, B, Spin-crossover, mesomorphic and thermoelectrical properties of cobalt(II) complexes with alkylated N-3-Schiff bases, *J MATER CHEM C*, vol. 3(11), pp. 2491-2499, , (2015) 10.1039/C4TC02923B
IF CITARE: 5.066
- [48.30] Alcover-Fortuny, G; de Graaf, C; Caballol, R, Spin-crossover in phenylazopyridine-functionalized Ni-porphyrin: trans-cis isomerization triggered by pi-pi interactions, *PHYS CHEM CHEM PHYS*, vol. 17(1), pp. 217-225, , (2015) 10.1039/C4CP04402A
IF CITARE: 4.449

- [48.31] Starikov, AG; Minkin, VI; Starikova, AA, Spin crossover in monoadducts of Co(Salen) with pyridine and imidazole: a quantum chemical study, *STRUCT CHEM*, vol. 25(6), pp. 1865-1871, , (2014) 10.1007/S11224-014-0473-8
IF CITARE: 1.837
- [48.32] Cammarata, M; Bertoni, R; Lorenc, M; Cailleau, H; Di Matteo, S; Mauriac, C; Matar, SF; Lemke, H; Chollet, M; Ravy, S; Laulhe, C; Letard, JF; Collet, E, Sequential Activation of Molecular Breathing and Bending during Spin-Crossover Photoswitching Revealed by Femtosecond Optical and X-Ray Absorption Spectroscopy, *PHYS REV LETT*, vol. 113(22), art.no. 227402, (2014) 10.1103/PHYSREVLTT.113.227402
IF CITARE: 7.512
- [48.33] Wang, HF; Sinito, C; Kaiba, A; Costa, JS; Desplanches, C; Dagault, P; Guionneau, P; Letard, JF; Negrier, P; Mondieig, D, Unusual Solvent Dependence of a Molecule-Based Fe-II Macrocyclic Spin-Crossover, *EUR J INORG CHEM*, vol. (29), pp. 4927-4933, , (2014) 10.1002/EJIC.201402666
IF CITARE: 2.942
- [48.34] Liu, Y, Singlet-triplet separation induced by the Pseudo Jahn-Teller effect examples: The CX₂ and NX₂⁺ (X = H, Cl) molecules, *COMPUT THEOR CHEM*, vol. 1044, pp. 94-100, , (2014) 10.1016/J.COMPTC.2014.06.013
IF CITARE: 1.545
- [48.35] Houghton, BJ; Deeth, RJ, Spin-State Energetics of Fe-II Complexes - The Continuing Voyage Through the Density Functional Minefield, *EUR J INORG CHEM*, vol. (27), pp. 4573-4580, , (2014) 10.1002/EJIC.201402253
IF CITARE: 2.942
- [48.36] Rudavskiy, A; Sousa, C; de Graaf, C; Havenith, RWA; Broer, R, Computational approach to the study of thermal spin crossover phenomena, *J CHEM PHYS*, vol. 140(18), art.no. 184318, (2014) 10.1063/1.4875695
IF CITARE: 2.952
- [48.37] Murnaghan, KD; Carbonera, C; Toupet, L; Griffin, M; Dirtu, MM; Desplanches, C; Garcia, Y; Collet, E; Letard, JF; Morgan, GG, Spin-State Ordering on One Sub-lattice of a Mononuclear Iron(III) Spin Crossover Complex Exhibiting LIESST and TIESST, *CHEM-EUR J*, vol. 20(19), pp. 5613-5618, , (2014) 10.1002/CHEM.201400286
IF CITARE: 5.731
- [48.38] Canton, SE; Zhang, XY; Daku, LML; Smeigh, AL; Zhang, JX; Liu, YZ; Wallentin, CJ; Attenkofer, K; Jennings, G; Kurtz, CA; Gosztola, D; Warnmark, K; Hauser, A; Sundstrom, V, Probing the Anisotropic Distortion of Photoexcited Spin Crossover Complexes with Picosecond X-ray Absorption Spectroscopy, *J PHYS CHEM C*, vol. 118(8), pp. 4536-4545, , (2014) 10.1021/JP5003963
IF CITARE: 4.772
- [48.39] Saureu, S; de Graaf, C, On the role of solvent effects on the electronic transitions in Fe(II) and Ru(II) complexes, *CHEM PHYS*, vol. 428, pp. 59-66, , (2014) 10.1016/J.CHEMPHYS.2013.11.002
IF CITARE: 1.652
- [48.40] Iuchi, S; Koga, N, An improved model electronic Hamiltonian for potential energy surfaces and spin-orbit couplings of low-lying d-d states of [Fe(bpy)(3)](2+), *J CHEM PHYS*, vol. 140(2), art.no. 024309, (2014) 10.1063/1.4861229
IF CITARE: 2.952
- [48.41] Wang, HF; Desplanches, C; Dagault, P; Letard, JF, A new family of diamagnetic macrocyclic Fe(II) compounds exhibiting the LIESST effect at high temperatures, *DALTON T*, vol. 43(41), pp. 15346-15350, , (2014) 10.1039/C4DT01837K
IF CITARE: 4.197
- [48.42] Gruden-Pavlovic, M; Peric, M; Zlatar, M; Garcia-Fernandez, P, Theoretical study of the magnetic anisotropy and magnetic tunnelling in mononuclear Ni(II) complexes with potential molecular magnet behavior, *CHEM SCI*, vol. 5(4), pp. 1453-1462, , (2014) 10.1039/C3SC52984C
IF CITARE: 9.211
- [48.43] Dixon, IM; Alary, F; Boggio-Pasqua, M; Heully, JL, The (N4C2)(2-) Donor Set as Promising Motif for Bis(tridentate) Iron(II) Photoactive Compounds, *INORG CHEM*, vol. 52(23), pp. 13369-13374, , (2013) 10.1021/IC402453P
IF CITARE: 4.794
- [48.44] Papai, M; Vanko, G, On Predicting Mossbauer Parameters of Iron-Containing Molecules with Density-Functional Theory, *J CHEM THEORY COMPUT*, vol. 9(11), pp. 5004-5020, , (2013) 10.1021/CT4007585
IF CITARE: 5.310
- [48.45] Barriuso, MT; Ortiz-Sevilla, B; Aramburu, JA; Garcia-Fernandez, P; Garcia-Lastra, JM; Moreno, M, Origin of Small Barriers in Jahn-Teller Systems: Quantifying the Role of 3d-4s Hybridization in the Model System NaCl:Ni²⁺, *INORG CHEM*, vol. 52(16), pp. 9338-9348, , (2013) 10.1021/IC4009009
IF CITARE: 4.794
- [48.46] Craig, GA; Costa, JS; Teat, SJ; Roubeau, O; Yufit, DS; Howard, JAK; Aromi, G, Multimetastability in a Spin-Crossover Compound Leading to Different High-Spin-to-Low-Spin Relaxation Dynamics, *INORG CHEM*, vol. 52(12), pp. 7203-7209, , (2013) 10.1021/IC400776X
IF CITARE: 4.794
- [48.47] Pavlik, J; Nicolazzi, W; Molnar, G; Boca, R; Bousseksou, A, Coupled magnetic interactions and the Ising-like model for spin crossover in binuclear compounds, *EUR PHYS J B*, vol. 86(6), art.no. 292, (2013) 10.1140/EPJB/E2013-30613-7
IF CITARE: 1.463
- [48.48] Warner, B; Oberg, JC; Gill, TG; El Hallak, F; Hirjibehedin, CF; Serri, M; Heutz, S; Arrio, MA; Saintavit, P; Mannini, M; Poneti, G; Sessoli, R; Rosa, P, Temperature- and Light-Induced Spin Crossover Observed by X-ray Spectroscopy on Isolated Fe(II) Complexes on Gold, *J PHYS CHEM LETT*, vol. 4(9), pp. 1546-1552, , (2013) 10.1021/JZ4005619
IF CITARE: 6.687
- [48.49] Sang, XL; Zeng, CH; Wang, H, Noise-induced optical bistability and state transitions in spin-crossover solids with delayed feedback, *EUR PHYS J B*, vol. 86(5), art.no. 229, (2013) 10.1140/EPJB/E2013-40179-Y
IF CITARE: 1.463
- [48.50] Bersuker, IB, Pseudo-Jahn-Teller Effect-A Two-State Paradigm in Formation, Deformation, and Transformation of Molecular Systems and Solids, *CHEM REV*, vol. 113(3), pp. 1351-1390, , (2013) 10.1021/CR300279N
IF CITARE: 45.661
- [48.51] Martinez, V; Castillo, ZA; Munoz, MC; Gaspar, AB; Etriard, C; Letard, JF; Terekhov, SA; Bukin, GV; Levchenko, G; Real, JA, Thermal-, Pressure- and Light-Induced Spin-Crossover Behaviour in the Two-Dimensional Hofmann-Like Coordination Polymer [Fe(3-Clpy)(2)Pd(CN)(4)], *EUR J INORG CHEM*, vol. (5-6), pp. 813-818, , (2013) 10.1002/EJIC.201201097
IF CITARE: 2.965
- [48.52] Mohammed, R; Chastanet, G; Tuna, F; Malkin, TL; Barrett, SA; Kilner, CA; Letard, JF; Halcrow, MA, Synthesis of 2,6-Di(pyrazol-1-yl)pyrazine Derivatives and the Spin-State Behavior of Their Iron(II) Complexes, *EUR J INORG CHEM*, vol. (5-6), pp. 819-831, , (2013) 10.1002/EJIC.201201100
IF CITARE: 2.965
- [48.53] Paradis, N; Chastanet, G; Varret, F; Letard, JF, Metal Dilution of Cooperative Spin-Crossover Compounds: When Stable and Metastable High-Spin States Meet, *EUR J INORG CHEM*, vol. (5-6), pp. 968-974, , (2013) 10.1002/EJIC.201201084
IF CITARE: 2.965
- [48.54] Bersuker, IB, A Local Approach to Solid State Problems: Pseudo Jahn-Teller origin of Ferroelectricity and Multiferroicity, *J PHYS CONF SER*, vol. 428, art.no. 012028, (2013) 10.1088/1742-6596/428/1/012028
IF CITARE: 0.000
- [48.55] Huse, N; Van Kuiken, BE; Cho, H; Strader, ML; Kim, TK; Khalil, M; Schoenlein, RW, Elucidating Charge Delocalization in the High-Spin State of aqueous Fe-II Spin-Crossover Compounds via Time-Resolved Spectroscopy in the X-ray Water Window, *EPJ WEB CONF*, vol. 41, art.no. UNSP 05037, (2013) 10.1051/EPJCONF/20134105037
IF CITARE: 0.000

- [48.56] Liu, YZ; Harlang, T; Canton, SE; Chabera, P; Suarez-Alcantara, K; Fleckhaus, A; Vithanage, DA; Goransson, E; Corani, A; Lomoth, R; Sundstrom, V; Warnmark, K, Towards longer-lived metal-to-ligand charge transfer states of iron(II) complexes: an N-heterocyclic carbene approach, CHEM COMMUN, vol. 49(57), pp. 6412-6414, , (2013) 10.1039/C3CC43833C
IF CITARE: 6.718
- [48.57] Vargas, A; Krivokapic, I; Hauser, A; Daku, LML, Towards accurate estimates of the spin-state energetics of spin-crossover complexes within density functional theory: a comparative case study of cobalt(II) complexes, PHYS CHEM CHEM PHYS, vol. 15(11), pp. 3752-3763, , (2013) 10.1039/C3CP44336A
IF CITARE: 4.198
- [48.58] Papai, M; Vanko, G; de Graaf, C; Rozgonyi, T, Theoretical Investigation of the Electronic Structure of Fe(II) Complexes at Spin-State Transitions, J CHEM THEORY COMPUT, vol. 9(1), pp. 509-519, , (2013) 10.1021/CT300932N
IF CITARE: 5.310
- [48.59] Stock, P; Pedzinski, T; Spintig, N; Grohmann, A; Horner, G, High Intrinsic Barriers against Spin-State Relaxation in Iron(II)-Complex Solutions, CHEM-EUR J, vol. 19(3), pp. 839-842, , (2013) 10.1002/CHEM.201203784
IF CITARE: 5.696
- [48.60] Boilleau, C; Suaud, N; Guihery, N, Ab initio study of the influence of structural parameters on the potential energy surfaces of spin-crossover Fe(II) model compounds, J CHEM PHYS, vol. 137(22), art.no. 224304, (2012) 10.1063/1.4768870
IF CITARE: 3.164
- [48.61] Daku, LML; Aquilante, F; Robinson, TW; Hauser, A, Accurate Spin-State Energetics of Transition Metal Complexes. 1. CCSD(T), CASPT2, and DFT Study of [M(NCH₆)(6)](2+) (M = Fe, Co), J CHEM THEORY COMPUT, vol. 8(11), pp. 4216-4231, , (2012) 10.1021/CT300592W
IF CITARE: 5.389
- [48.62] Paradis, N; Chastanet, G; Letard, JF, When Stable and Metastable HS States Meet in Spin-Crossover Compounds, EUR J INORG CHEM, vol. (22), pp. 3618-3624, , (2012) 10.1002/EJIC.201200297
IF CITARE: 3.120
- [48.63] Wolny, JA; Diller, R; Schunemann, V, Vibrational Spectroscopy of Mono- and Polynuclear Spin-Crossover Systems, EUR J INORG CHEM, vol. (16), pp. 2635-2648, , (2012) 10.1002/EJIC.201200059
IF CITARE: 3.120
- [48.64] Letard, JF; Asthana, S; Shepherd, HJ; Guionneau, P; Goeta, AE; Suemura, N; Ishikawa, R; Kaizaki, S, Photomagnetism of a sym-cis-Dithiocyanato Iron(II) Complex with a Tetradentate N,N'-Bis(2-pyridylmethyl)1,2-ethanediamine Ligand, CHEM-EUR J, vol. 18(19), pp. 5924-5934, , (2012) 10.1002/CHEM.201102637
IF CITARE: 5.831
- [48.65] Bersuker, IB, Pseudo Jahn-Teller Origin of Perovskite Multiferroics, Magnetic-Ferroelectric Crossover, and Magnetoelectric Effects: The d(0)-d(10) Problem, PHYS REV LETT, vol. 108(13), art.no. 137202, (2012) 10.1103/PHYSREVLETT.108.137202
IF CITARE: 7.943
- [48.66] Buron-Le Cointe, M; Hebert, J; Balde, C; Moisan, N; Toupet, L; Guionneau, P; Letard, JF; Freysz, E; Cailleau, H; Collet, E, Intermolecular control of thermoswitching and photoswitching phenomena in two spin-crossover polymorphs, PHYS REV B, vol. 85(6), art.no. 064114, (2012) 10.1103/PHYSREVB.85.064114
IF CITARE: 3.767
- [48.67] Chergui, M, On the interplay between charge, spin and structural dynamics in transition metal complexes, DALTON T, vol. 41(42), pp. 13022-13029, , (2012) 10.1039/C2DT30764B
IF CITARE: 3.806
- [48.68] Draksharapu, A; Li, Q; Roelfes, G; Browne, WR, Photo-induced oxidation of [Fe-II(N4P(y))CH₃CN] and related complexes, DALTON T, vol. 41(42), pp. 13180-13190, , (2012) 10.1039/C2DT30392B
IF CITARE: 3.806
- [48.69] Cho, H; Strader, ML; Hong, K; Jamula, L; Gullikson, EM; Kim, TK; de Groot, FMF; McCusker, JK; Schoenlein, RW; Huse, N, Ligand-field symmetry effects in Fe(II) polypyridyl compounds probed by transient X-ray absorption spectroscopy, FARADAY DISCUSS, vol. 157, pp. 463-474, , (2012) 10.1039/C2FD20040F
IF CITARE: 3.821
- [48.70] Palamarciuc, T; Oberg, JC; El Hallak, F; Hirjibehedin, CF; Serri, M; Heutz, S; Letard, JF; Rosa, P, Spin crossover materials evaporated under clean high vacuum and ultra-high vacuum conditions: from thin films to single molecules, J MATER CHEM, vol. 22(19), pp. 9690-9695, , (2012) 10.1039/C2JM15094H
IF CITARE: 6.108
- [48.71] Yan, Z; Li, M; Gao, HL; Huang, XC; Li, D, High-spin versus spin-crossover versus low-spin: geometry intervention in cooperativity in a 3D polymorphic iron(II)-tetrazole MOFs system, CHEM COMMUN, vol. 48(33), pp. 3960-3962, , (2012) 10.1039/C2CC18140A
IF CITARE: 6.378
- [48.72] Chastanet, G; Tovee, CA; Hyett, G; Halcrow, MA; Letard, JF, Photomagnetic studies on spin-crossover solid solutions containing two different metal complexes, [Fe(1-bpp)(2)](x)[M(terpy)(2)](1-x)[BF₄](2) (M = Ru or Co), DALTON T, vol. 41(16), pp. 4896-4902, , (2012) 10.1039/C2DT12122K
IF CITARE: 3.806
- [48.73] Garcia-Fernandez, P; Bersuker, IB, Class of Molecular and Solid State Systems with Correlated Magnetic and Dielectric Bistabilities Induced by the Pseudo Jahn-Teller Effect, PHYS REV LETT, vol. 106(24), art.no. 246406, (2011) 10.1103/PHYSREVLETT.106.246406
IF CITARE: 7.370
- [48.74] Gudyma, IV; Maksymov, AI, High spin metastable state relaxation of spin-crossover solids driven by white noise, J PHYS CHEM SOLIDS, vol. 72(2), pp. 73-77, , (2011) 10.1016/J.JPCS.2010.11.002
IF CITARE: 1.632
- [48.75] Tissot, A; Bertoni, R; Collet, E; Toupet, L; Boillot, ML, The cooperative spin-state transition of an iron(III) compound [Fe-III(3-MeO-SalEen)(2)]PF₆: thermal- vs. ultra-fast photo-switching, J MATER CHEM, vol. 21(45), pp. 18347-18353, , (2011) 10.1039/C1JM14163E
IF CITARE: 5.968
- [48.76] Ni, ZP; Fiedler, SR; Shores, MP, Investigation of anion-dependence in the spin-state switching properties of [(H(2)bip)(2)Fe(6-Mebpy)]X-2, DALTON T, vol. 40(4), pp. 944-950, , (2011) 10.1039/C0DT01079K
IF CITARE: 3.838
- [48.77] Li, B; Zhang, JP; Yong, X; Li, WL; Zheng, YY, The low spin Co-II fragment with homoleptic 1,10-phenanthroline ligands: synthesis, structures, DFT investigations, and magnetic properties, DALTON T, vol. 40(17), pp. 4459-4464, , (2011) 10.1039/C0DT01640C
IF CITARE: 3.838
- [48.78] Daku, LML; Hauser, A, Ab Initio Molecular Dynamics Study of an Aqueous Solution of [Fe(bpy)(3)](Cl)(2) in the Low-Spin and in the High-Spin States, J PHYS CHEM LETT, vol. 1(12), pp. 1830-1835, , (2010) 10.1021/JZ100548M
IF CITARE: 6.213
- [48.79] Shiota, Y; Sato, D; Juhasz, G; Yoshizawa, K, Theoretical Study of Thermal Spin Transition between the Singlet State and the Quintet State in the [Fe(2-picolylamine)(3)](2+) Spin Crossover System, J PHYS CHEM A, vol. 114(18), pp. 5862-5869, , (2010) 10.1021/JP9122002
IF CITARE: 2.732
- [48.80] Dei, A; Sorace, L, Cobalt-Dioxolene Redox Isomers: Potential Spintronic Devices, APPL MAGN RESON, vol. 38(2), pp. 139-153, , (2010) 10.1007/S00723-010-0121-4
IF CITARE: 1.126
- [48.81] Dei, A; Poneti, G; Sorace, L, Metal Dilution Effects on Entropy and Light-Induced Valence Tautomeric Interconversion in a 1:1 Cobalt-Dioxolene Complex, INORG CHEM, vol. 49(7), pp. 3271-3277, , (2010) 10.1021/IC902255J

IF CITARE: 4.326

[48.82] Milne, C; Pham, VT; Gawelda, W; Nahhas, AE; van der Veen, RM; Johnson, SL; Beaud, P; Ingold, G; Borca, C; Grolimund, D; Abela, R; Chergui, M; Bressler, C, Femtosecond X-ray Absorption Spectroscopy of a Light-Driven Spin-Crossover Process, ACTA PHYS POL A, vol. 117(2), pp. 391-393, , (2010)

IF CITARE: 0.467

[48.83] Ando, H; Nakao, Y; Sato, H; Sakaki, S, Comparison of electronic structures and light-induced excited spin state trapping between [Fe(2-picolylamine)(3)](2+) and its iron(III) analogue, DALTON T, vol. 39(7), pp. 1836-1845, , (2010) 10.1039/B913927C

IF CITARE: 3.647

[48.84] Halcrow, MA, Iron(II) complexes of 2,6-di(pyrazol-1-yl)pyridines-A versatile system for spin-crossover research, COORDIN CHEM REV, vol. 253(21-22), pp. 2493-2514, , (2009) 10.1016/J.CCR.2009.07.009

IF CITARE: 11.225

[48.85] Jensen, KP; Cirera, J, Accurate Computed Enthalpies of Spin Crossover in Iron and Cobalt Complexes, J PHYS CHEM A, vol. 113(37), pp. 10033-10039, , (2009) 10.1021/JP900654J

IF CITARE: 2.899

[48.86] Pritchard, R; Kilner, CA; Barrett, SA; Halcrow, MA, Two new 4',4''-disubstituted dipyrzolylypyridine derivatives, and the structures and spin states of their iron(II) complexes, INORG CHIM ACTA, vol. 362(12), pp. 4365-4371, , (2009) 10.1016/J.ICA.2009.01.022

IF CITARE: 2.322

[48.87] Milne, CJ; Pham, VT; Gawelda, W; van der Veen, RM; El Nahhas, A; Johnson, SL; Beaud, P; Ingold, G; Lima, F; Vithanage, DA; Benfatto, M; Grolimund, D; Borca, C; Kaiser, M; Hauser, A; Abela, R; Bressler, C; Chergui, M, Time-resolved x-ray absorption spectroscopy: Watching atoms dance, J PHYS CONF SER, vol. 190, art.no. 012052, (2009) 10.1088/1742-6596/190/1/012052

IF CITARE: 0.000

[48.88] Hayami, S; Hiki, K; Kawahara, T; Maeda, Y; Urakami, D; Inoue, K; Ohama, M; Kawata, S; Sato, O, Photo-Induced Spin Transition of Iron(III) Compounds with pi-pi Intermolecular Interactions, CHEM-EUR J, vol. 15(14), pp. 3497-3508, , (2009) 10.1002/CHEM.200802395

IF CITARE: 5.382

[48.89] Vargas, A; Hauser, A; Daku, LML, Influence of Guest-Host Interactions on the Structural, Energetic, and Mossbauer Spectroscopy Properties of Iron(II)tris(2,2'-bipyridine) in the Low-Spin and High-Spin States: A Density-Functional Theory Study of the Zeolite-Y Embedded Complex, J CHEM THEORY COMPUT, vol. 5(1), pp. 97-115, , (2009) 10.1021/CT800284G

IF CITARE: 4.804

[48.90] Balde, C; Desplanches, C; Nguyen, O; Letard, JF; Freysz, E, Complete temperature study of the relaxation from HS to LS state in the mixed [Fe_xZn_{1-x}(Phen)₂(NCS)₂](2) systems (with x=1, 0.73, 0.5, 0.32, 0.19 and 0.04), J PHYS CONF SER, vol. 148, art.no. 012026, (2009) 10.1088/1742-6596/148/1/012026

IF CITARE: 0.000

[48.91] Milne, C; Pham, VT; Gawelda, W; El Nahhas, A; van der Veen, RM; Johnson, SL; Beaud, P; Ingold, G; Borca, C; Grolimund, D; Abela, R; Chergui, M; Bressler, C, Femtosecond X-Ray Absorption Spectroscopy of a Photoinduced Spin-Crossover Process, SPRINGER SER CHEM PH, vol. 92, pp. 122-+, , (2009)

IF CITARE: 0.000

[48.92] Coronado, E; Dias, JC; Gimenez-Lopez, MC; Gimenez-Saiz, C; Gomez-Garcia, CJ, Synthesis, structure and magnetic characterization of [Fe(bpp)(2)][Cu(pds)(2)](2)center dot solv (solv = CH(3)CN and CH(3)OH), J MOL STRUCT, vol. 890(1-3), pp. 215-220, , (2008) 10.1016/J.MOLSTRUC.2008.04.046

IF CITARE: 1.594

[48.93] Szacilowski, K, Digital information processing in molecular systems, CHEM REV, vol. 108(9), pp. 3481-3548, , (2008) 10.1021/CR068403Q

IF CITARE: 23.592

[48.94] Balde, C; Desplanches, C; Gutlich, P; Freysz, E; Letard, JF, Effect of the metal dilution on the thermal and light-induced spin transition in [Fe(x)Mn(1-x)(bpp)(2)](NCS)(2): When T(LIESST) reaches T(1/2), INORG CHIM ACTA, vol. 361(12-13), pp. 3529-3533, , (2008) 10.1016/J.ICA.2008.03.124

IF CITARE: 1.940

[48.95] Balde, C; Desplanches, C; Wattiaux, A; Guionneau, P; Gutlich, P; Letard, JF, Effect of metal dilution on the light-induced spin transition in [Fe(x)Zn(1-x)(phen)(2)(NCS)(2)] (phen=1,10-phenanthroline), DALTON T, vol. (20), pp. 2702-2707, , (2008) 10.1039/B800248G

IF CITARE: 3.580

[48.96] Beni, A; Dei, A; Laschi, S; Rizzitano, M; Sorace, L, Tuning the charge distribution and photoswitchable properties of cobalt-dioxolene complexes by using molecular techniques, CHEM-EUR J, vol. 14(6), pp. 1804-1813, , (2008) 10.1002/CHEM.200701163

IF CITARE: 5.454

[48.97] Bressler, C; Abela, R; Chergui, M, Exploiting EXAFS and XANES for time-resolved molecular structures in liquids, Z KRISTALLOGR, vol. 223(4-5), pp. 307-321, , (2008) 10.1524/ZKRI.2008.0030

IF CITARE: 0.708

[48.98] Gawelda, W; Cannizzo, A; Pham, VT; van Mourik, F; Bressler, C; Chergui, M, Ultrafast nonadiabatic dynamics of [Fe-II(bpy)(3)](2+) in solution, J AM CHEM SOC, vol. 129(26), pp. 8199-8206, , (2007) 10.1021/JA070454X

IF CITARE: 7.885

[48.99] Daku, LML; Linares, J; Boillot, ML, Ab initio static and molecular dynamics study of 4-styrylpyridine, CHEMPHYSICHEM, vol. 8(9), pp. 1402-1416, , (2007) 10.1002/CPHC.200700117

IF CITARE: 3.502

[48.100] Costa, JS; Balde, C; Carbonera, C; Denux, D; Wattiaux, A; Desplanches, C; Ader, JP; Gutlich, P; Letard, JF, Photomagnetic properties of an iron(II) low-spin complex with an unusually long-lived metastable LIESST state, INORG CHEM, vol. 46(10), pp. 4114-4119, , (2007) 10.1021/IC062418P

IF CITARE: 4.123

[48.101] Beni, A; Dei, A; Rizzitano, M; Sorace, L, Unprecedented optically induced long-lived intramolecular electron transfer in cobalt-dioxolene complexes, CHEM COMMUN, vol. (21), pp. 2160-2162, , (2007) 10.1039/B702932B

IF CITARE: 5.141

[48.102] Gawelda, W; Cannizzo, A; Pham, VT; El Nahhas, A; Milne, CJ; van der Veen, R; Bressler, C; Chergui, M, Light-induced spin crossover probed by ultrafast optical and X-ray spectroscopies, CHIMIA, vol. 61(4), pp. 179-183, , (2007) 10.2533/CHIMIA.2007.179

IF CITARE: 0.919

autori=5 IF=8.815 UAIC I.1(ISI)=110.780 nr.citari=102 UAIC I.12 (Citari)=2177.412

[49] Enachescu, C; Hauser, A; Girerd, JJ; Boillot, ML, Photoexcitation and relaxation dynamics of catecholato-iron(III) spin-crossover complexes, CHEMPHYSICHEM, vol. 7(5), pp. 1127-1135, (2006) 10.1002/CPHC.200500671

[49.1] Basu, U; Pant, I; Kondaiah, P; Chakravarty, AR, Mitochondria-Targeting Iron(III) Catecholates for Photoactivated Anticancer Activity under Red Light, EUR J INORG CHEM, vol. (7), pp. 1002-1012, , (2016) 10.1002/EJIC.201501105

IF CITARE: 2.444

[49.2] Watanabe, H; Tanaka, K; Brefuel, N; Cailleau, H; Letard, JF; Ravy, S; Fertey, P; Nishino, M; Miyashita, S; Collet, E, Ordering phenomena of high-spin/low-spin states in stepwise spin-crossover materials described by the ANNNI model, PHYS REV B, vol. 93(1), art.no. 014419, (2016) 10.1103/PHYSREVB.93.014419

IF CITARE: 3.836

[49.3] Tichnell, CR; Shultz, DA; Popescu, CV; Sokirniy, I; Boyle, PD, Synthesis, Characterization, and Photophysical Studies of an Iron(III) Catecholate-Nitronyl Nitroxide Spin-Crossover Complex, INORG CHEM, vol. 54(9), pp. 4466-4474, , (2015) 10.1021/ACS.INORGCHEM.5B00298

IF CITARE: 4.820

- [49.4] Iasco, O; Riviere, E; Guillot, R; Buron-Le Cointe, M; Meunier, JF; Bousseksou, A; Boillot, ML, Fe-II(pap-5NO(2))(2) and Fe-II(qsal-5NO(2))(2) Schiff-Base Spin-Crossover Complexes: A Rare Example with Photomagnetism and Room-Temperature Bistability, INORG CHEM, vol. 54(4), pp. 1791-1799, , (2015) 10.1021/IC5027043
IF CITARE: 4.820
- [49.5] Basu, U; Pant, I; Khan, I; Hussain, A; Kondaiah, P; Chakravarty, AR, Iron(III) Catecholates for Cellular Imaging and Photocytotoxicity in Red Light, CHEM-ASIAN J, vol. 9(9), pp. 2494-2504, , (2014) 10.1002/ASIA.201402207
IF CITARE: 4.587
- [49.6] Murnaghan, KD; Carbonera, C; Toupet, L; Griffin, M; Dirtu, MM; Desplanches, C; Garcia, Y; Collet, E; Letard, JF; Morgan, GG, Spin-State Ordering on One Sub-lattice of a Mononuclear Iron(III) Spin Crossover Complex Exhibiting LIESST and TIESST, CHEM-EUR J, vol. 20(19), pp. 5613-5618, , (2014) 10.1002/CHEM.201400286
IF CITARE: 5.731
- [49.7] Tissot, A; Fertey, P; Guillot, R; Briois, V; Boillot, ML, Structural, Magnetic, and Vibrational Investigations of Fe-III Spin-Crossover Compounds [Fe(4-MeO-SalEen)(2)]X with X = NO₃⁻ and PF₆⁻, EUR J INORG CHEM, vol. 2014(1), pp. 101-109, , (2014) 10.1002/EJIC.201300960
IF CITARE: 2.942
- [49.8] Chakraborty, P; Boillot, ML; Tissot, A; Hauser, A, Photoinduced Relaxation Dynamics in Iron(II) Spin-Crossover Nanoparticles: The Significance of Crystallinity, ANGEW CHEM INT EDIT, vol. 52(28), pp. 7139-7142, , (2013) 10.1002/ANGE.201301562
IF CITARE: 11.336
- [49.9] Gutlich, P, Spin Crossover - Quo Vadis?, EUR J INORG CHEM, vol. (5-6), pp. 581-591, , (2013) 10.1002/EJIC.201300092
IF CITARE: 2.965
- [49.10] Kaszub, W; Buron-Le Cointe, M; Lorenc, M; Boillot, ML; Servol, M; Tissot, A; Guerin, L; Cailleau, H; Collet, E, Spin-State Photoswitching Dynamics of the [(TPA)Fe(TCC)]SbF₆ Complex, EUR J INORG CHEM, vol. (5-6), pp. 992-1000, , (2013) 10.1002/EJIC.201201083
IF CITARE: 2.965
- [49.11] Buron-Le Cointe, M; Hebert, J; Balde, C; Moisan, N; Toupet, L; Guionneau, P; Letard, JF; Freysz, E; Cailleau, H; Collet, E, Intermolecular control of thermoswitching and photoswitching phenomena in two spin-crossover polymorphs, PHYS REV B, vol. 85(6), art.no. 064114, (2012) 10.1103/PHYSREVB.85.064114
IF CITARE: 3.767
- [49.12] Lorenc, M; Balde, C; Kaszub, W; Tissot, A; Moisan, N; Servol, M; Buron-Le Cointe, M; Cailleau, H; Chasle, P; Czarnecki, P; Boillot, ML; Collet, E, Cascading photoinduced, elastic, and thermal switching of spin states triggered by a femtosecond laser pulse in an Fe(III) molecular crystal, PHYS REV B, vol. 85(5), art.no. 054302, (2012) 10.1103/PHYSREVB.85.054302
IF CITARE: 3.767
- [49.13] Collet, E; Lorenc, M; Cammarata, M; Guerin, L; Servol, M; Tissot, A; Boillot, ML; Cailleau, H; Buron-Le Cointe, M, 100 Picosecond Diffraction Catches Structural Transients of Laser-Pulse Triggered Switching in a Spin-Crossover Crystal, CHEM-EUR J, vol. 18(7), pp. 2051-2055, , (2012) 10.1002/CHEM.201103048
IF CITARE: 5.831
- [49.14] Collet, E; Moisan, N; Balde, C; Bertoni, R; Trzop, E; Lualhe, C; Lorenc, M; Servol, M; Cailleau, H; Tissot, A; Boillot, ML; Graber, T; Henning, R; Coppens, P; Buron-Le Cointe, M, Ultrafast spin-state photoswitching in a crystal and slower consecutive processes investigated by femtosecond optical spectroscopy and picosecond X-ray diffraction, PHYS CHEM CHEM PHYS, vol. 14(18), pp. 6192-6199, , (2012) 10.1039/C2CP23587K
IF CITARE: 3.829
- [49.15] Tao, J; Wei, RJ; Huang, RB; Zheng, LS, Polymorphism in spin-crossover systems, CHEM SOC REV, vol. 41(2), pp. 703-737, , (2012) 10.1039/C1CS15136C
IF CITARE: 24.892
- [49.16] Shimizu, T; Komatsu, Y; Kamihata, H; Lee, YH; Fuyuhiko, A; Iijima, S; Hayami, S, Photo-switchable spin-crossover iron(III) compound based on intermolecular interactions, J INCL PHENOM MACRO, vol. 71(3-4), pp. 363-369, , (2011) 10.1007/S10847-011-9960-3
IF CITARE: 1.886
- [49.17] Valero, R; Illas, F; Truhlar, DG, Magnetic Coupling in Transition-Metal Binuclear Complexes by Spin-Flip Time-Dependent Density Functional Theory, J CHEM THEORY COMPUT, vol. 7(11), pp. 3523-3531, , (2011) 10.1021/CT200393S
IF CITARE: 5.215
- [49.18] Yang, K; Peverati, R; Truhlar, DG; Valero, R, Density functional study of multiplicity-changing valence and Rydberg excitations of p-block elements: Delta self-consistent field, collinear spin-flip time-dependent density functional theory (DFT), and conventional time-dependent DFT, J CHEM PHYS, vol. 135(4), art.no. 044118, (2011) 10.1063/1.3607312
IF CITARE: 3.333
- [49.19] Jaafar, H; Louis, R; Mandon, D, The preparation of the alpha-iodo-substituted tripods within the series of tris(2-pyridylmethyl)amine ligands, and the characterization of the corresponding I(1-3)TPAFcCl(2) complexes, INORG CHIM ACTA, vol. 366(1), pp. 147-153, , (2011) 10.1016/J.ICA.2010.10.024
IF CITARE: 1.846
- [49.20] Tissot, A; Bertoni, R; Collet, E; Toupet, L; Boillot, ML, The cooperative spin-state transition of an iron(III) compound [Fe-III(3-MeO-SalEen)(2)]PF₆: thermal- vs. ultra-fast photo-switching, J MATER CHEM, vol. 21(45), pp. 18347-18353, , (2011) 10.1039/C1JM14163E
IF CITARE: 5.968
- [49.21] Clemente-Leon, M; Coronado, E; Lopez-Jorda, M; Desplanches, C; Asthana, S; Wang, HF; Letard, JF, A hybrid magnet with coexistence of ferromagnetism and photoinduced Fe(III) spin-crossover, CHEM SCI, vol. 2(6), pp. 1121-1127, , (2011) 10.1039/C1SC00015B
IF CITARE: 7.525
- [49.22] Clemente-Leon, M; Coronado, E; Marti-Gastaldo, C; Romero, FM, Multifunctionality in hybrid magnetic materials based on bimetallic oxalate complexes, CHEM SOC REV, vol. 40(2), pp. 473-497, , (2011) 10.1039/C0CS00111B
IF CITARE: 28.760
- [49.23] Cailleau, H; Lorenc, M; Guerin, L; Servol, M; Collet, E; Buron-Le Cointe, M, Structural dynamics of photoinduced molecular switching in the solid state, ACTA CRYSTALLOGR A, vol. 66, pp. 189-197, , (2010) 10.1107/S0108767309051046
IF CITARE: 54.333
- [49.24] Collet, E; Boillot, ML; Hebert, J; Moisan, N; Servol, M; Lorenc, M; Toupet, L; Buron-Le Cointe, M; Tissot, A; Sainton, J, Polymorphism in the spin-crossover ferric complexes [(TPA)Fe-III(TCC)]PF₆, ACTA CRYSTALLOGR B, vol. 65, pp. 474-480, , (2009) 10.1107/S0108768109021508
IF CITARE: 1.801
- [49.25] Lorenc, M; Hebert, J; Moisan, N; Trzop, E; Servol, M; Buron-Le Cointe, M; Cailleau, H; Boillot, ML; Pontecorvo, E; Wulff, M; Koshihara, S; Collet, E, Successive Dynamical Steps of Photoinduced Switching of a Molecular Fe(III) Spin-Crossover Material by Time-Resolved X-Ray Diffraction, PHYS REV LETT, vol. 103(2), art.no. 028301, (2009) 10.1103/PHYSREVLETT.103.028301
IF CITARE: 7.328
- [49.26] Hayami, S; Hiki, K; Kawahara, T; Maeda, Y; Urakami, D; Inoue, K; Ohama, M; Kawata, S; Sato, O, Photo-Induced Spin Transition of Iron(III) Compounds with pi-pi Intermolecular Interactions, CHEM-EUR J, vol. 15(14), pp. 3497-3508, , (2009) 10.1002/CHEM.200802395
IF CITARE: 5.382
- [49.27] Moisan, N; Servol, M; Lorenc, M; Tissot, A; Boillot, ML; Cailleau, H; Koshihara, S; Collet, E, Towards ultrafast spin-state switching in the solid state, CR CHIM, vol. 11(10), pp. 1235-1240, , (2008) 10.1016/J.CRCI.2008.05.012
IF CITARE: 1.529
- [49.28] Girerd, JJ; Boillot, ML; Blain, G; Riviere, E, An EPR investigation of the electronic structure of pseudo-octahedral and spin crossover catecholato-iron(III) complexes in the low-spin state, INORG CHIM ACTA, vol. 361(14-15), pp. 4012-4016, , (2008) 10.1016/J.ICA.2008.03.077

IF CITARE: 1.940

[49.29] Collet, E; Cointe, MBL; Lorenc, M; Cailleau, H, State of the art and opportunities in probing photoinduced phase transitions in molecular materials by conventional and picosecond X-ray diffraction, Z KRISTALLOGR, vol. 223(4-5), pp. 272-282, , (2008) 10.1524/ZKRI.2008.0027

IF CITARE: 0.708

[49.30] Nihei, M; Shiga, T; Maeda, Y; Oshio, H, Spin crossover iron(III) complexes, COORDIN CHEM REV, vol. 251(21-24), pp. 2606-2621, , (2007) 10.1016/J.CCR.2007.08.007

IF CITARE: 8.568

autori=4

IF=3.449

UAIC I.1(ISI)=57.985

nr.citari=30

UAIC I.12 (Citari)=1198.270

[50] Enachescu, C; Tanasa, R; Stancu, A; Chastanet, G; Letard, JF; Linares, J; Varret, F, Rate-dependent light-induced thermal hysteresis of [Fe(PM-BiA)(2)(NCS)(2)] spin transition complex, J APPL PHYS, vol. 99(8), art.no. 08J504, (2006) 10.1063/1.2167059

[50.1] Naser, MFM; Bdair, OM; Ikhoulane, F, Characterization of a Class of Differential Equations, J COMPUT ANAL APPL, vol. 22(1), pp. 179-187, , (2017)

IF CITARE: 0.609

[50.2] Milin, E; Patinec, V; Triki, S; Bendeif, EE; Pillet, S; Marchivie, M; Chastanet, G; Boukheddaden, K, Elastic Frustration Triggering Photoinduced Hidden Hysteresis and Multistability in a Two-Dimensional Photoswitchable Hofmann-Like Spin-Crossover Metal-Organic Framework, INORG CHEM, vol. 55(22), pp. 11652-11661, , (2016) 10.1021/ACS.INORGCHEM.6B01081

IF CITARE: 4.857

[50.3] Gudyma, I; Maksymov, A; Dimian, M, Hysteretic behavior of spin-crossover noise driven system, PHYSICA B, vol. 486, pp. 44-47, , (2016) 10.1016/J.PHYSB.2016.01.019

IF CITARE: 1.386

[50.4] Paradis, N; Chastanet, G; Palamarcu, T; Rosa, P; Varret, F; Boukheddaden, K; Letard, JF, Detailed Investigation of the Interplay Between the Thermal Decay of the Low Temperature Metastable HS State and the Thermal Hysteresis of Spin-Crossover Solids, J PHYS CHEM C, vol. 119(34), pp. 20039-20050, , (2015) 10.1021/ACS.JPCC.5B03680

IF CITARE: 4.509

[50.5] Cook, LJK; Thorp-Greenwood, FL; Comyn, TP; Cespedes, O; Chastanet, G; Halcrow, MA, Unexpected Spin-Crossover and a Low-Pressure Phase Change in an Iron(II)/Dipyrazolylpyridine Complex Exhibiting a High-Spin Jahn-Teller Distortion, INORG CHEM, vol. 54(13), pp. 6319-6330, , (2015) 10.1021/ACS.INORGCHEM.5B00614

IF CITARE: 4.820

[50.6] Ikhoulane, F, Characterization of hysteresis processes, MATH CONTROL SIGNAL, vol. 25(3), pp. 291-310, , (2013) 10.1007/S00498-012-0099-6

IF CITARE: 1.152

[50.7] Rotaru, A; Graur, A; Rotaru, GM; Linares, J; Garcia, Y, Influence of intermolecular interactions and size effect on LITH-FORC diagram in 1D spin crossover compounds, J OPTOELECTRON ADV M, vol. 14(5-6), pp. 529-536, , (2012)

IF CITARE: 0.516

[50.8] Gudyma, I; Maksymov, A, Optically induced switching in spin-crossover compounds: microscopic and macroscopic models and their relationship, APPL OPTICS, vol. 51(10), pp. C55-C61, , (2012) 10.1364/AO.51.000C55

IF CITARE: 1.689

[50.9] Buron-Le Cointe, M; Hebert, J; Balde, C; Moisan, N; Toupet, L; Guionneau, P; Letard, JF; Freysz, E; Cailleau, H; Collet, E, Intermolecular control of thermoswitching and photoswitching phenomena in two spin-crossover polymorphs, PHYS REV B, vol. 85(6), art.no. 064114, (2012) 10.1103/PHYSREVB.85.064114

IF CITARE: 3.767

[50.10] Chastanet, G; Tovee, CA; Hyett, G; Halcrow, MA; Letard, JF, Photomagnetic studies on spin-crossover solid solutions containing two different metal complexes, [Fe(1-bpp)(2)](x)[M(terpy)(2)](1-x)[BF4](2) (M = Ru or Co), DALTON T, vol. 41(16), pp. 4896-4902, , (2012) 10.1039/C2DT12122K

IF CITARE: 3.806

[50.11] Gudyma, IV; Maksymov, AI, Theoretical analysis of photoinduced first order phase transition in spin-crossover complexes under noise action, PROC SPIE, vol. 8338, art.no. 83380T, (2011) 10.1117/12.917711

IF CITARE: 0.000

[50.12] Ikhoulane, F, An Input/Output Approach for the Analysis of the Quasi-Static Regime, CHIN CONT DECIS CONF, vol. , pp. 979-984, , (2010) 10.1109/CCDC.2010.5498077

IF CITARE: 0.000

[50.13] Lampropoulos, C; Hill, S; Christou, G, A Caveat for Single-Molecule Magnetism: Non-linear Arrhenius Plots, CHEMPHYSICHEM, vol. 10(14), pp. 2397-2400, , (2009) 10.1002/CPHC.200900420

IF CITARE: 3.453

[50.14] Halcrow, MA, The spin-states and spin-transitions of mononuclear iron(II) complexes of nitrogen-donor ligands, POLYHEDRON, vol. 26(14), pp. 3523-3576, , (2007) 10.1016/J.POLY.2007.03.033

IF CITARE: 1.756

autori=7 IF=2.316 UAIC I.1(ISI)=23.423 nr.citari=14 UAIC I.12 (Citari)=112.343

[51] Enachescu, C; Varret, F; Codjovi, E; Linares, J; Floquet, S; Manikandan, P; Manoharan, PT, Photoexcitation and relaxation properties of a spin-crossover solid in the case of a stable high-spin state, J PHYS CHEM B, vol. 110(12), pp. 5883-5888, (2006) 10.1021/JP054149E

[51.1] Chong, C; Itoi, M; Boukheddaden, K; Codjovi, E; Rotaru, A; Varret, F; Frye, FA; Talham, DR; Maurin, I; Chernyshov, D; Castro, M, Metastable state of the photomagnetic Prussian blue analog K_{0.3}Co[Fe(CN)₆](0.77)center dot 3.6H₂O investigated by various techniques, PHYS REV B, vol. 84(14), art.no. 144102, (2011) 10.1103/PHYSREVB.84.144102

IF CITARE: 3.691

[51.2] Sharma, AK; De, A; Mukherjee, R, Design, structure, and properties of functional metal-ligand inorganic modules, CURR OPIN SOLID ST M, vol. 13(3-4), pp. 54-67, , (2009) 10.1016/J.COSSMS.2009.06.001

IF CITARE: 4.000

[51.3] Pritchard, R; Lazar, H; Barrett, SA; Kilner, CA; Asthana, S; Carbonera, C; Letard, JF; Halcrow, MA, Thermal and light-induced spin-transitions in iron(II) complexes of 2,6-bis(4-halopyrazolyl)pyridines: the influence of polymorphism on a spin-crossover compound, DALTON T, vol. (33), pp. 6656-6666, , (2009) 10.1039/B907094J

IF CITARE: 4.081

[51.4] Madhu, NT; Salitros, I; Schramm, F; Klyatskaya, S; Fuhr, O; Ruben, M, Above room temperature spin transition in a series of iron(II) bis(pyrazolyl)pyridine compounds, CR CHIM, vol. 11(10), pp. 1166-1174, , (2008) 10.1016/J.CRCL.2008.06.015

IF CITARE: 1.529

[51.5] Mishra, V; Mukherjee, R; Linares, J; Balde, C; Desplanches, C; Letard, JF; Collet, E; Toupet, L; Castro, M; Varret, F, Temperature-dependent interactions and disorder in the spin-transition compound [Fe-II(L)(2)][ClO4](2) center dot C7H8 through structural, calorimetric, magnetic, photomagnetic, and diffuse reflectance investigations, INORG CHEM, vol. 47(17), pp. 7577-7587, , (2008) 10.1021/IC8002977

IF CITARE: 4.147

[51.6] Mouri, S; Moussa, NO; Molnar, G; Real, JA; Gaspar, AB; Bousseksou, A; Tanaka, K, Light induced excited spin state trapping in the binuclear spin crossover compound [Fe(bpy)(NCS)(2)](2)(bpy) exhibiting a high-spin ground state, CHEM PHYS LETT, vol. 456(4-6), pp. 215-219, , (2008) 10.1016/J.CPLETT.2008.03.043

IF CITARE: 2.169

[51.7] Halcrow, MA, The spin-states and spin-transitions of mononuclear iron(II) complexes of nitrogen-donor ligands, POLYHEDRON, vol. 26(14), pp. 3523-3576, , (2007) 10.1016/J.POLY.2007.03.033

IF CITARE: 1.756

[51.8] Varret, F; Boukheddaden, K; Chong, C; Goujon, A; Gillon, B; Jeltic, J; Hauser, A, Light-induced phase separation in the [Fe(ptz)(6)](BF4)(2) spin-crossover single crystal, EPL-EUROPHYS LETT, vol. 77(3), art.no. 30007, (2007) 10.1209/0295-5075/77/30007

IF CITARE: 2.206

autori=7 IF=4.115 UAIC I.1(ISI)=38.843 nr.citari=8 UAIC I.12 (Citari)=78.797

[52] Enachescu, C; Tanasa, R; Stancu, A; Varret, F; Linares, J; Codjovi, E, Kinetic hysteresis in spin crossover solids analyzed using FORC diagrams, PHYSICA B, vol. 372(1-2), pp. 211-214, (2006) 10.1016/J.PHYSB.2005.10.050

[52.1] Dirtu, MM; Neuhausen, C; Naik, AD; Rotaru, A; Spinu, L; Garcia, Y, Insights into the Origin of Cooperative Effects in the Spin Transition of [Fe(NH(2)trz)(3)](NO3)(2): the Role of Supramolecular Interactions Evidenced in the Crystal Structure of [Cu(NH(2)trz)(3)](NO3)(2)center dot H2O, INORG CHEM, vol. 49(12), pp. 5723-5736, , (2010) 10.1021/IC100667F

IF CITARE: 4.326

autori=6 IF=0.872 UAIC I.1(ISI)=12.887 nr.citari=1 UAIC I.12 (Citari)=16.087

[53] Tanasa, R; Linares, J; Enachescu, C; Varret, F; Stancu, A, Determination of the physical parameters distribution in spin transition compounds using experimental FORC diagram, PHYSICA B, vol. 372(1-2), pp. 215-218, (2006) 10.1016/J.PHYSB.2005.10.051

[53.1] Dirtu, MM; Neuhausen, C; Naik, AD; Rotaru, A; Spinu, L; Garcia, Y, Insights into the Origin of Cooperative Effects in the Spin Transition of [Fe(NH(2)trz)(3)](NO3)(2): the Role of Supramolecular Interactions Evidenced in the Crystal Structure of [Cu(NH(2)trz)(3)](NO3)(2)center dot H2O, INORG CHEM, vol. 49(12), pp. 5723-5736, , (2010) 10.1021/IC100667F

IF CITARE: 4.326

autori=5 IF=0.872 UAIC I.1(ISI)=15.464 nr.citari=1 UAIC I.12 (Citari)=19.304

[54] Enachescu, C; Tanasa, R; Stancu, A; Varret, F; Linares, J; Codjovi, E, First-order reversal curves analysis of rate-dependent hysteresis: The example of light-induced thermal hysteresis in a spin-crossover solid, PHYS REV B, vol. 72(5), art.no. 054413, (2005) 10.1103/PHYSREVB.72.054413

[54.1] Cimpoesu, D; Dumitru, I; Stancu, A, Kinetic effects observed in dynamic first-order reversal curves of magnetic wires: Experiment and theoretical description, J APPL PHYS, vol. 120(17), art.no. 173902, (2016) 10.1063/1.4966608

IF CITARE: 2.068

[54.2] Jureschi, CM; Pottier, BL; Linares, J; Dahoo, PR; Alayli, Y; Rotaru, A, Simulation of multi-steps thermal transition in 2D spin-crossover nanoparticles, PHYSICA B, vol. 486, pp. 160-163, , (2016) 10.1016/J.PHYSB.2015.09.037

IF CITARE: 1.386

[54.3] Rikvold, PA; Brown, G; Miyashita, S; Omand, C; Nishino, M, Equilibrium, metastability, and hysteresis in a model spin-crossover material with nearest-neighbor antiferromagnetic-like and long-range ferromagnetic-like interactions, PHYS REV B, vol. 93(6), art.no. 064109, (2016) 10.1103/PHYSREVB.93.064109

IF CITARE: 3.836

[54.4] Jureschi, CM; Linares, J; Boulmaali, A; Dahoo, PR; Rotaru, A; Garcia, Y, Pressure and Temperature Sensors Using Two Spin Crossover Materials, SENSORS-BASEL, vol. 16(2), , (2016) 10.3390/S16020187

IF CITARE: 2.677

[54.5] Jureschi, CM; Linares, J; Dahoo, PR; Alayli, Y, Monte Carlo entropic sampling applied to Ising-like model for 2D and 3D systems, J PHYS CONF SER, vol. 738, art.no. UNSP 012051, (2016) 10.1088/1742-6596/738/1/012051

IF CITARE: 0.000

[54.6] Nica, M; Stancu, A, FORC diagram study of magnetostatic interactions in 2D longitudinal arrays of magnetic wires, PHYSICA B, vol. 475, pp. 73-79, , (2015) 10.1016/J.PHYSB.2015.07.001

IF CITARE: 1.352

[54.7] Dumas, RK; Greene, PK; Gilbert, DA; Ye, L; Zha, CL; Akerman, J; Liu, K, Accessing different spin-disordered states using first-order reversal curves, PHYS REV B, vol. 90(10), art.no. 104410, (2014) 10.1103/PHYSREVB.90.104410

IF CITARE: 3.736

[54.8] Kumar, H; Fantini, MCA; Cornejo, DR, Evidence of Coexistence of Ferromagnetic and Antiferromagnetic Phases in Nearly Equiatomic FeRh, IEEE T MAGN, vol. 49(8), pp. 4506-4509, , (2013) 10.1109/TMAG.2013.2262040

IF CITARE: 1.213

[54.9] Matau, F; Nica, V; Postolache, P; Ursachi, I; Cotiuga, V; Stancu, A, Physical study of the Cucuteni pottery technology, J ARCHAEO SCI, vol. 40(2), pp. 914-925, , (2013) 10.1016/J.JAS.2012.08.021

IF CITARE: 2.139

[54.10] Rotaru, A; Graur, A; Rotaru, GM; Linares, J; Garcia, Y, Influence of intermolecular interactions and size effect on LITH-FORC diagram in 1D spin crossover compounds, J OPTOELECTRON ADV M, vol. 14(5-6), pp. 529-536, , (2012)

IF CITARE: 0.516

[54.11] Ursachi, I; Vasile, A; Chiriac, H; Postolache, P; Stancu, A, Magnetic properties of magnetite nanoparticles coated with mesoporous silica by sonochemical method, MATER RES BULL, vol. 46(12), pp. 2468-2473, , (2011) 10.1016/J.MATERRESBULL.2011.08.033

IF CITARE: 2.105

[54.12] Rotaru, A; Varret, F; Gindulescu, A; Linares, J; Stancu, A; Letard, JF; Forestier, T; Etrillard, C, Size effect in spin-crossover systems investigated by FORC measurements, for surfacted [Fe(NH2-trz)(3)](Br)(2)center dot 3H(2)O nanoparticles: reversible contributions and critical size, EUR PHYS J B, vol. 84(3), pp. 439-449, , (2011) 10.1140/EPJB/E2011-10903-X

IF CITARE: 1.534

[54.13] Rotaru, A; Lim, JH; Lenormand, D; Diaconu, A; Wiley, JB; Postolache, P; Stancu, A; Spinu, L, Interactions and reversal-field memory in complex magnetic nanowire arrays, PHYS REV B, vol. 84(13), art.no. 134431, (2011) 10.1103/PHYSREVB.84.134431

IF CITARE: 3.691

[54.14] Siadou, N; Androustopoulos, M; Panagiotopoulos, I; Stoleriu, L; Stancu, A; Bakas, T; Alexandrakakis, V, Magnetization reversal in [Ni/Pt](6)/Pt(x)/[Co/Pt](6) multilayers, J MAGN MAGN MATER, vol. 323(12), pp. 1671-1677, , (2011) 10.1016/J.JMMM.2011.01.035

IF CITARE: 1.780

[54.15] Dirtu, MM; Neuhausen, C; Naik, AD; Rotaru, A; Spinu, L; Garcia, Y, Insights into the Origin of Cooperative Effects in the Spin Transition of [Fe(NH(2)trz)(3)](NO3)(2): the Role of Supramolecular Interactions Evidenced in the Crystal Structure of [Cu(NH(2)trz)(3)](NO3)(2)center dot H2O, INORG CHEM, vol. 49(12), pp. 5723-5736, , (2010) 10.1021/IC100667F

IF CITARE: 4.326

[54.16] Cornejo, DR; Noce, RD; Peixoto, TRF; Barelli, N; Sumodjo, PTA; Benedetti, AV, First order reversal curve analysis of nanocrystalline Pd80Co20 alloy films, J ALLOY COMPD, vol. 479(1-2), pp. 43-48, , (2009) 10.1016/J.JALLCOM.2008.12.131

IF CITARE: 2.135

- [54.17] Ramirez, JG; Sharoni, A; Dubi, Y; Gomez, ME; Schuller, IK, First-order reversal curve measurements of the metal-insulator transition in VO₂: Signatures of persistent metallic domains, *PHYS REV B*, vol. 79(23), art.no. 235110, (2009) 10.1103/PHYSREVB.79.235110
IF CITARE: 3.475
- [54.18] Hamad, IA; Robb, D; Rikvold, PA, First-order Reversal Curve Analysis of Kinetic Monte Carlo Simulations of First- and Second-order Phase Transitions, *SPRINGER PROC PHYS*, vol. 123, pp. 89-+, , (2009)
IF CITARE: 0.000
- [54.19] Tanasa, R; Stancu, A; Codjovi, E; Linares, J; Varret, F; Letard, JF, A first order reversal curve investigation of pressure hysteresis in multiferroics spin transition compound, *J APPL PHYS*, vol. 103(7), art.no. 07B905, (2008) 10.1063/1.2831335
IF CITARE: 2.201
- [54.20] Hamad, IA; Robb, DT; Rikvold, PA, New cyclic voltammetry method for examining phase transitions: Simulated results, *J ELECTROANAL CHEM*, vol. 607(1-2), pp. 61-68, , (2007) 10.1016/J.JELECHEM.2006.10.037
IF CITARE: 2.580
- [54.21] Stoleriu, L; Stancu, A; Mitoseriu, L; Piazza, D; Galassi, C, Analysis of switching properties of porous ferroelectric ceramics by means of first-order reversal curve diagrams, *PHYS REV B*, vol. 74(17), art.no. 174107, (2006) 10.1103/PHYSREVB.74.174107
IF CITARE: 3.107
- [54.22] Cimpoesu, D; Spinu, L; Stancu, A, Temperature dependence of FORC diagrams in nanostructured materials, *IEEE T MAGN*, vol. 42(10), pp. 3165-3167, , (2006) 10.1109/TMAG.2006.880148
IF CITARE: 0.938
- [54.23] Tanasa, R; Stancu, A, Statistical characterization of the FORC diagram, *IEEE T MAGN*, vol. 42(10), pp. 3246-3248, , (2006) 10.1109/TMAG.2006.878425
IF CITARE: 0.938
- autori=6 IF=3.185 UAIC I.1(ISI)=36.017 nr.citari=23 UAIC I.12 (Citari)=197.443
-
- [55] **Gawali-Salunke, S; Varret, F; Maurin, I; Enachescu, C; Malarova, A; Boukheddaden, K; Codjovi, E; Tokoro, H; Ohkoshi, S; Hashimoto, K, Magnetic and Mossbauer investigation of the photomagnetic prussian blue analogue Na_{0.32}Co[Fe(CN)₆](0.74)center dot 3.4H₂O: Cooperative relaxation of the thermally quenched state, *J PHYS CHEM B*, vol. 109(16), pp. 8251-8256, (2005) 10.1021/JP044739X**
- [55.1] Roman, M; Decurtins, S; Liu, SX; Klokishner, S, Electric-Field Control of Magnetic and Polarizability Properties of Cyanide-Bridged Fe-Co Clusters, *EUR J INORG CHEM*, vol. (34), pp. 5324-5331, , (2016) 10.1002/EJIC.201600782
IF CITARE: 2.444
- [55.2] Ohmagari, H; Ohtani, R; Nakaya, M; Ohba, M; Nakamura, M; Lindoy, LF; Sato, O; Hayami, S, Water-dependent charge-transfer-induced spin transition of Prussian blue analogues, *DALTON T*, vol. 45(42), pp. 16784-16788, , (2016) 10.1039/C6DT03474H
IF CITARE: 4.029
- [55.3] Kim, W; McClure, BA; Edri, E; Frei, H, Coupling carbon dioxide reduction with water oxidation in nanoscale photocatalytic assemblies, *CHEM SOC REV*, vol. 45(11), pp. 3221-3243, , (2016) 10.1039/C6CS00062B
IF CITARE: 38.618
- [55.4] Aguila, D; Prado, Y; Koumoussi, ES; Mathoniere, C; Clerac, R, Switchable Fe/Co Prussian blue networks and molecular analogues, *CHEM SOC REV*, vol. 45(1), pp. 203-224, , (2016) 10.1039/C5CS00321K
IF CITARE: 38.618
- [55.5] Paradis, N; Chastanet, G; Palamarcu, T; Rosa, P; Varret, F; Boukheddaden, K; Letard, JF, Detailed Investigation of the Interplay Between the Thermal Decay of the Low Temperature Metastable HS State and the Thermal Hysteresis of Spin-Crossover Solids, *J PHYS CHEM C*, vol. 119(34), pp. 20039-20050, , (2015) 10.1021/ACS.JPCC.5B03680
IF CITARE: 4.509
- [55.6] Zhang, YZ; Ferko, P; Siretanu, D; Ababei, R; Rath, NP; Shaw, MJ; Clerac, R; Mathoniere, C; Holmes, SM, Thermochromic and Photoresponsive Cyanometalate Fe/Co Squares: Toward Control of the Electron Transfer Temperature, *J AM CHEM SOC*, vol. 136(48), pp. 16854-16864, , (2014) 10.1021/JA508280N
IF CITARE: 12.113
- [55.7] McClure, BA; Frei, H, Excited State Electron Transfer of All-Inorganic Heterobinuclear TiOMn²⁺ Chromophore Anchored on Silica Nanoparticle Surface, *J PHYS CHEM C*, vol. 118(22), pp. 11601-11611, , (2014) 10.1021/JP503196W
IF CITARE: 4.772
- [55.8] Orive, J; de Luis, RF; Fernandez, JR; Legarra, E; Plazaola, F; Arriortua, MI, Fluorinated mixed valence Fe(II)-Fe(III) phosphites with channels templated by linear tetramine chains. Structural and magnetic implications of partial replacement of Fe(II) by Co(II), *CRYSTENGCOMM*, vol. 16(27), pp. 6066-6079, , (2014) 10.1039/C4CE00264D
IF CITARE: 4.034
- [55.9] Itoi, M; Maurin, I; Varret, F; Frye, FA; Talham, DR; Chernyshov, D; Boukheddaden, K, When local deformations trigger lattice instability: Flow diagram investigations for photoinduced and quenched metastable states in a Prussian blue analog, *PHYS REV B*, vol. 88(9), art.no. 094104, (2013) 10.1103/PHYSREVB.88.094104
IF CITARE: 3.664
- [55.10] Liu, M; Zhou, J; Xu, MX, Temperature Dependent Jahn-Teller Distortion in the Prussian Blue Analogue Cu_{0.47}Ni_{0.48}Mn_{0.55}[Fe(CN)₆]center dot 7.8H₂O, *Z ANORG ALLG CHEM*, vol. 639(3-4), pp. 468-470, , (2013) 10.1002/ZAAC.201200437
IF CITARE: 1.251
- [55.11] Varret, F; Boukheddaden, K; Chastanet, G; Paradis, N; Letard, JF, When T(LIESST) Meets Thermal Hysteresis - a Theoretical Approach, *EUR J INORG CHEM*, vol. (5-6), pp. 763-769, , (2013) 10.1002/EJIC.201200863
IF CITARE: 2.965
- [55.12] Paradis, N; Chastanet, G; Varret, F; Letard, JF, Metal Dilution of Cooperative Spin-Crossover Compounds: When Stable and Metastable High-Spin States Meet, *EUR J INORG CHEM*, vol. (5-6), pp. 968-974, , (2013) 10.1002/EJIC.201201084
IF CITARE: 2.965
- [55.13] Le Bris, R; Tsunobuchi, Y; Mathoniere, C; Tokoro, H; Ohkoshi, S; Ould-Moussa, N; Molnar, G; Bousseksou, A; Letard, JF, Spectroscopic and Magnetic Properties of the Metastable States in the Coordination Network [{Co(prm)(2)}(2){Co(H₂O)(2)}{W(CN)(8)}(2)]center dot 4H₂O (prm = pyrimidine), *INORG CHEM*, vol. 51(5), pp. 2852-2859, , (2012) 10.1021/IC2019692
IF CITARE: 4.593
- [55.14] Chong, C; Itoi, M; Boukheddaden, K; Codjovi, E; Rotaru, A; Varret, F; Frye, FA; Talham, DR; Maurin, I; Chernyshov, D; Castro, M, Metastable state of the photomagnetic Prussian blue analog K_{0.3}Co[Fe(CN)₆](0.77)center dot 3.6H₂O investigated by various techniques, *PHYS REV B*, vol. 84(14), art.no. 144102, (2011) 10.1103/PHYSREVB.84.144102
IF CITARE: 3.691
- [55.15] Flambard, A; Kohler, FH; Lescouezec, R; Revel, B, Probing Spin Density and Local Structure in the Prussian Blue Analogues CsCd[Fe/Co(CN)₆]center dot 0.5H₂O and Cd-3[Fe/Co(CN)₆](2)center dot 15H₂O with Solid-State MAS NMR Spectroscopy, *CHEM-EUR J*, vol. 17(41), pp. 11567-11575, , (2011) 10.1002/CHEM.201100778
IF CITARE: 5.925
- [55.16] Funck, KE; Prosvirin, AV; Mathoniere, C; Clerac, R; Dunbar, KR, Light-Induced Excited Spin State Trapping and Charge Transfer in Trigonal Bipyramidal Cyanide-Bridged Complexes, *INORG CHEM*, vol. 50(7), pp. 2782-2789, , (2011) 10.1021/IC1018357
IF CITARE: 4.601

- [55.17] Talham, DR; Meisel, MW, Thin films of coordination polymer magnets, CHEM SOC REV, vol. 40(6), pp. 3356-3365, , (2011) 10.1039/C1CS15015D
IF CITARE: 28.760
- [55.18] Zadrozny, JM; Freedman, DE; Jenkins, DM; Harris, TD; Iavarone, AT; Mathoniere, C; Clerac, R; Long, JR, Slow Magnetic Relaxation and Charge-Transfer in Cyano-Bridged Coordination Clusters Incorporating [Re(CN)(7)](3-/4-), INORG CHEM, vol. 49(19), pp. 8886-8896, , (2010) 10.1021/IC101132Z
IF CITARE: 4.326
- [55.19] Arrio, MA; Long, J; Moulin, CCD; Bachschmidt, A; Marvaud, V; Rogalev, A; Mathoniere, C; Wilhelm, F; Saintavit, P, Photoinduced Magnetization on Mo Ion in Copper Octacyanomolybdate: An X-ray Magnetic Circular Dichroism Investigation, J PHYS CHEM C, vol. 114(1), pp. 593-600, , (2010) 10.1021/JP9087699
IF CITARE: 4.524
- [55.20] Zhang, YZ; Li, DF; Clerac, R; Kalisz, M; Mathoniere, C; Holmes, SM, Reversible Thermally and Photoinduced Electron Transfer in a Cyano-Bridged {Fe2Co2} Square Complex, ANGEW CHEM INT EDIT, vol. 49(22), pp. 3752-3756, , (2010) 10.1002/ANIE.201000765
IF CITARE: 12.730
- [55.21] Mishra, H; Mishra, V; Varret, F; Mukherjee, R; Balde, C; Desplanches, C; Letard, JF, Opposite effects of interactions and disorder on the switching properties of the spin transition compound [Fe-II(L)(2)][ClO4](2) center dot C7H8, POLYHEDRON, vol. 28(9-10), pp. 1678-1683, , (2009) 10.1016/J.POLY.2008.10.029
IF CITARE: 2.207
- [55.22] Bleuzen, A; Marvaud, V; Mathoniere, C; Sieklucka, B; Verdaguer, M, Photomagnetism in Clusters and Extended Molecule-Based Magnets, INORG CHEM, vol. 48(8), pp. 3453-3466, , (2009) 10.1021/IC802007G
IF CITARE: 4.657
- [55.23] Salmon, L; Vertelman, EJM; Murgui, CB; Cobo, S; Molnar, G; van Koningsbruggen, PJ; Bousseksou, A, Valence-Tautomeric RbMnFe Prussian Blue Analogues: Composition and Time Stability Investigation, EUR J INORG CHEM, vol. (6), pp. 760-768, , (2009) 10.1002/EJIC.200800978
IF CITARE: 2.941
- [55.24] Maurin, I; Chernyshov, D; Varret, F; Bleuzen, A; Tokoro, H; Hashimoto, K; Ohkoshi, S, Evidence for complex multistability in photomagnetic cobalt hexacyanoferrates from combined magnetic and synchrotron x-ray diffraction measurements, PHYS REV B, vol. 79(6), art.no. 064420, (2009) 10.1103/PHYSREVB.79.064420
IF CITARE: 3.475
- [55.25] Flambard, A; Kohler, FH; Lescouezec, R, Revisiting Prussian Blue Analogues with Solid-State MAS NMR Spectroscopy: Spin Density and Local Structure in [Cd-3{Fe(CN)(6)}(2)]center dot 15 H2O, ANGEW CHEM INT EDIT, vol. 48(9), pp. 1673-1676, , (2009) 10.1002/ANIE.200805415
IF CITARE: 11.829
- [55.26] Ma, Y; Li, NB; Luo, HQ, Resonance Rayleigh Scattering of K2Zn3[Fe(CN)6]2 Nanoparticles and its Application for the Determination of Vitamin C, INSTRUM SCI TECHNOL, vol. 37(3), pp. 345-358, art.no. PII 910365990, (2009) 10.1080/10739140902832022
IF CITARE: 0.423
- [55.27] Le Bris, R; Cafun, JD; Mathoniere, C; Bleuzen, A; Letard, JF, Optical and magnetic properties of the photo-induced state in the coordination network Na2Co4[Fe(CN)(6)](3.3)center dot 14H(2)O, NEW J CHEM, vol. 33(6), pp. 1255-1261, , (2009) 10.1039/B902833A
IF CITARE: 3.006
- [55.28] Frye, FA; Pajeroski, DM; Park, JH; Meisel, MW; Talham, DR, Anisotropic photoinduced magnetism in thin films of the Prussian blue analogue A(j)Co(k)[Fe(CN)(6)](l)center dot nH(2)O, CHEM MATER, vol. 20(17), pp. 5706-5713, , (2008) 10.1021/CM800576S
IF CITARE: 5.046
- [55.29] Mishra, V; Mukherjee, R; Linares, J; Balde, C; Desplanches, C; Letard, JF; Collet, E; Toupet, L; Castro, M; Varret, F, Temperature-dependent interactions and disorder in the spin-transition compound [Fe-II(L)(2)][ClO4](2) center dot C7H8 through structural, calorimetric, magnetic, photomagnetic, and diffuse reflectance investigations, INORG CHEM, vol. 47(17), pp. 7577-7587, , (2008) 10.1021/IC8002977
IF CITARE: 4.147
- [55.30] Salunke-Gawali, S; Ahmed, K; Varret, F; Linares, J; Zaware, S; Date, S; Rane, S, Dimeric Fe (II, III) complex of quinoneoxime as functional model of PAP enzyme: Mossbauer, magneto-structural and DNA cleavage studies, HYPERFINE INTERACT, vol. 185(1-3), pp. 47-56, , (2008) 10.1007/S10751-008-9810-X
IF CITARE: 0.000
- [55.31] Konishi, Y; Tokoro, H; Nishino, M; Miyashita, S, Monte carlo simulation of pressure-induced phase transitions in spin-crossover materials, PHYS REV LETT, vol. 100(6), art.no. 067206, (2008) 10.1103/PHYSREVLETT.100.067206
IF CITARE: 7.180
- [55.32] Li, DF; Clerac, R; Roubeau, O; Harte, E; Mathoniere, C; Le Bris, R; Holmes, SM, Magnetic and optical bistability driven by thermally and photoinduced intramolecular electron transfer in a molecular cobalt-iron Prussian blue analogue, J AM CHEM SOC, vol. 130(1), pp. 252-258, , (2008) 10.1021/JA0757632
IF CITARE: 8.091
- [55.33] Halcrow, MA, Trapping and manipulating excited spin states of transition metal compounds, CHEM SOC REV, vol. 37(2), pp. 278-289, , (2008) 10.1039/B701085K
IF CITARE: 17.419
- [55.34] Frye, FA; Pajeroski, DM; Anderson, NE; Long, J; Park, JH; Meisel, MW; Talham, DR, Photoinduced magnetism in rubidium cobalt hexacyanoferrate Prussian blue analogue nanoparticles, POLYHEDRON, vol. 26(9-11), pp. 2273-2275, , (2007) 10.1016/J.POLY.2006.11.011
IF CITARE: 1.756
- [55.35] Frye, FA; Pajeroski, DMB; Lane, SM; Anderson, NE; Park, JH; Meisel, MW; Talham, DR, Effect of film thickness on the photoinduced decrease in magnetism for thin films of the cobalt iron Prussian blue analogue Rb0.7CO4[Fe(CN)(6)](3.0), POLYHEDRON, vol. 26(9-11), pp. 2281-2286, , (2007) 10.1016/J.POLY.2006.11.043
IF CITARE: 1.756
- [55.36] Cobo, S; Fernandez, R; Salmon, L; Molnar, G; Bousseksou, A, Correlation between the stoichiometry and the bistability of electronic states in valence-tautomeric RbxMn[Fe(CN)(6)](y)center dot zH(2)O complexes, EUR J INORG CHEM, vol. (11), pp. 1549-1555, , (2007) 10.1002/EJIC.200601023
IF CITARE: 2.597
- [55.37] Boukheddaden, K; Linares, J; Tanasa, R; Chong, C, Theoretical investigations on an axial next nearest neighbour Ising-like model for spin crossover solids: one- and two-step spin transitions, J PHYS-CONDENS MAT, vol. 19(10), art.no. 106201, (2007) 10.1088/0953-8984/19/10/106201
IF CITARE: 1.886
- [55.38] Park, JH; Frye, F; Anderson, NE; Pajeroski, DM; Huh, YD; Talham, DR; Meisel, MW, Cooling rate-dependent charge-transfer-induced spin transition in K0.4Co1.3[Fe(CN)(6)] center dot nH(2)O Prussian blue analog, J MAGN MAGN MATER, vol. 310(2), pp. 1458-1459, , (2007) 10.1016/J.JMMM.2006.10.468
IF CITARE: 1.704
- [55.39] Castro, M; Rodriguez-Velamazan, JA; Boukheddaden, K; Varret, F; Tokoro, H; Ohkoshi, S, Calorimetric investigation of equilibrium and thermal relaxation properties of the switchable Prussian Blue analog Na(0.32)Co[Fe(CN)(6)](0.74)center dot 3.4H(2)O, EPL-EUROPHYS LETT, vol. 79(2), art.no. 27007, (2007) 10.1209/0295-5075/79/27007
IF CITARE: 2.206
- [55.40] Beni, A; Carbonera, C; Dei, A; Letard, JF; Righini, R; Sangregorio, C; Sorace, L, Optically induced valence tautomeric interconversion in cobalt dioxolene complexes, J BRAZIL CHEM SOC, vol. 17(8), pp. 1522-1533, , (2006) 10.1590/S0103-50532006000800007
IF CITARE: 1.003

[55.41] Le Bris, R; Mathoniere, C; Letard, JF, Cooperative relaxation of the metastable states in the photomagnetic octacyanotungstate Co-II[Co-II(3-CN-py)(2)]{W-v(CN)(8)}]center dot H2O, CHEM PHYS LETT, vol. 426(4-6), pp. 380-386, , (2006) 10.1016/J.CPLETT.2006.05.086
IF CITARE: 2.462

[55.42] Ohkoshi, S; Ikeda, S; Hozumi, T; Kashiwagi, T; Hashimoto, K, Photoinduced magnetization with a high curie temperature and a large coercive field in a cyano-bridged cobalt-tungstate bimetallic assembly, J AM CHEM SOC, vol. 128(16), pp. 5320-5321, , (2006) 10.1021/JA060510E
IF CITARE: 7.696

[55.43] Ohkoshi, S; Tokoro, H; Hozumi, T; Zhang, Y; Hashimoto, K; Mathoniere, C; Bord, I; Rombaut, G; Verelst, M; Moulin, CCD; Villain, F, Photoinduced magnetization in copper octacyanomolybdate, J AM CHEM SOC, vol. 128(1), pp. 270-277, , (2006) 10.1021/JA0559092
IF CITARE: 7.696

[55.44] Varret, F; Boukheddaden, K; Codjovi, E; Maurin, I; Tokoro, H; Ohkoshi, S; Hashimoto, K, Light-induced thermal hysteresis and intensity thresholds in molecular switchable solids, by mean-field macroscopic master equation approach: Discussion of the experimental data obtained for Co-Fe Prussian Blue Analogues, POLYHEDRON, vol. 24(16-17), pp. 2857-2863, , (2005) 10.1016/J.POLY.2005.06.013
IF CITARE: 1.957

[55.45] Kawamoto, T; Abe, S, Thermal hysteresis loop of the spin-state in nanoparticles of transition metal complexes: Monte Carlo simulations on an Ising-like model, CHEM COMMUN, vol. (31), pp. 3933-3935, , (2005) 10.1039/B506643C
IF CITARE: 4.426

[55.46] Kawamoto, T; Abe, S, Monte Carlo simulations of an Ising-like model for photoinduced spin-state switching in nanoparticles of transition metal complexes, J PHYS CONF SER, vol. 21, pp. 56-60, , (2005) 10.1088/1742-6596/21/1/009
IF CITARE: 0.000

autori=10 IF=4.033 UAIC I.1(ISI)=26.698 nr.citari=46 UAIC I.12 (Citari)=639.396

[56] Niel, V; Thompson, AL; Goeta, AE; Enachescu, C; Hauser, A; Galet, A; Munoz, MC; Real, JA, Thermal- and photoinduced spin-state switching in an unprecedented three-dimensional bimetallic coordination polymer, CHEM-EUR J, vol. 11(7), pp. 2047-2060, (2005) 10.1002/CHEM.200400930

[56.1] Meng, Y; Sheng, QQ; Hoque, MN; Chen, YC; Wu, SG; Tucek, J; Zboril, R; Liu, T; Ni, ZP; Tong, ML, Two-Step Spin-Crossover with Three Inequivalent Fe-II Sites in a Two-Dimensional Hofmann-Type Coordination Polymer, CHEM-EUR J, vol. 23(42), pp. 10034-10037, , (2017) 10.1002/CHEM.201702356
IF CITARE: 5.317

[56.2] Chen, WB; Leng, JD; Wang, ZZ; Chen, YC; Miao, Y; Tong, ML; Dong, W, Reversible crystal-to-crystal transformation from a trinuclear cluster to a 1D chain and the corresponding spin crossover (SCO) behaviour change, CHEM COMMUN, vol. 53(55), pp. 7820-7823, , (2017) 10.1039/C7CC04036A
IF CITARE: 6.319

[56.3] Nawaz, S; Ghaffar, A; Monim-ul-Mehboob, M; Tahir, MN; Alotaibi, MA; Isab, AA; Ahmad, S, Synthesis and crystal structure of a cyanido bridged copper(II)-silver (I) bimetallic complex containing a trimeric {[Ag(CN)(2)]-}(3) anion, [Cu(Dach)(2)-Ag(CN)(2)-Cu(Dach)(2)][Ag(CN)(2)](3) (Dach = cis-1,2-diaminocyclohexane), Z NATURFORSCH B, vol. 72(1), pp. 43-47, , (2017) 10.1515/ZNB-2016-0154
IF CITARE: 0.631

[56.4] Setifi, Z; Addala, A; Tao, J; Wannarit, N; Glidewell, C; Setifi, F; Youngme, S, Two novel self-interpenetrating 3D iron(II) coordination frameworks: Synthesis, spectroscopic and structural characterizations with magnetic properties, INORG CHEM COMMUN, vol. 68, pp. 80-84, , (2016) 10.1016/J.INOCHE.2016.04.005
IF CITARE: 1.640

[56.5] Jornet-Molla, V; Duan, Y; Gimenez-Saiz, C; Waerenborgh, JC; Romero, FM, Hydrogen-bonded networks of [Fe(bpp)(2)](2+) spin crossover complexes and dicarboxylate anions: structural and photomagnetic properties, DALTON T, vol. 45(44), pp. 17918-17928, , (2016) 10.1039/C6DT02934E
IF CITARE: 4.029

[56.6] Romero-Morcillo, T; De la Pinta, N; Callejo, LM; Pineiro-Lopez, L; Munoz, MC; Madariaga, G; Ferrer, S; Breczewski, T; Cortes, R; Real, JA, Nanoporosity, Inclusion Chemistry, and Spin Crossover in Orthogonally Interlocked Two-Dimensional Metal-Organic Frameworks, CHEM-EUR J, vol. 21(34), pp. 12112-12120, , (2015) 10.1002/CHEM.201500310
IF CITARE: 5.771

[56.7] Sereidyuk, M; Pineiro-Lopez, L; Munoz, MC; Martinez-Casado, FJ; Molnar, G; Rodriguez-Velamazan, JA; Bousseksou, A; Real, JA, Homoleptic Iron(II) Complexes with the Ionogenic Ligand 6,6'-Bis(1H-tetrazol-5-yl)-2,2'-bipyridine: Spin Crossover Behavior in a Singular 2D Spin Crossover Coordination Polymer, INORG CHEM, vol. 54(15), pp. 7424-7432, , (2015) 10.1021/ACS.INORGCHEM.5B01001
IF CITARE: 4.820

[56.8] Jeong, AR; Shin, JW; Jeong, JH; Hayami, S; Min, KS, Synthesis and characterization of heterobimetallic coordination polymers containing chiral nickel(II) macrocycle and silver(I) cyanide, J INCL PHENOM MACRO, vol. 82(1-2), pp. 145-152, , (2015) 10.1007/S10847-015-0513-Z
IF CITARE: 1.253

[56.9] Cook, LJK; Shepherd, HJ; Comyn, TP; Balde, C; Cespedes, O; Chastanet, G; Halcrow, MA, Decoupled Spin Crossover and Structural Phase Transition in a Molecular Iron(II) Complex, CHEM-EUR J, vol. 21(12), pp. 4805-4816, , (2015) 10.1002/CHEM.201406307
IF CITARE: 5.771

[56.10] Delgado, T; Tissot, A; Besnard, C; Guenee, L; Pattison, P; Hauser, A, Structural Investigation of the High Spin -> Low Spin Relaxation Dynamics of the Porous Coordination Network [Fe(pz)Pt(CN)(4)]center dot 2.6H(2)O, CHEM-EUR J, vol. 21(9), pp. 3664-3670, , (2015) 10.1002/CHEM.201405405
IF CITARE: 5.771

[56.11] Luo, YH; Liu, QL; Yang, LJ; Ling, Y; Wang, W; Sun, BW, Ligand field and intermolecular interactions tuning the magnetic properties of spin-crossover Fe(II) polymer with 4,4'-bipyridine, J SOLID STATE CHEM, vol. 222, pp. 76-83, , (2015) 10.1016/J.JSSC.2014.11.006
IF CITARE: 2.265

[56.12] Schmidbaur, H; Schier, A, Argentophilic Interactions, ANGEW CHEM INT EDIT, vol. 54(3), pp. 746-784, , (2015) 10.1002/ANIE.201405936
IF CITARE: 11.709

[56.13] Tafili-Kryeziu, M; Caneschi, A; Fittipaldi, M; Spina, G; Lantieri, M; Weil, M; Hasegawa, M; Linert, W, Synthesis and characterization of a family of Fe(II) tetrazole complexes [Fe(C(6)mtz)(6)]X-2 (X = BF4-, ClO4-, PF6-), J COORD CHEM, vol. 68(19), pp. 3457-3471, , (2015) 10.1080/00958972.2015.1077951
IF CITARE: 1.756

[56.14] Romero-Morcillo, T; Valverde-Munoz, FJ; Munoz, MC; Herrera, JM; Colacio, E; Real, JA, Two-step spin crossover behaviour in the chiral one-dimensional coordination polymer [Fe(HAT)(NCS)(2)](infinity), RSC ADV, vol. 5(85), pp. 69782-69789, , (2015) 10.1039/C5RA13491A
IF CITARE: 3.289

[56.15] Zhang, SL; Zhao, XH; Wang, YM; Shao, D; Wang, XY, Spin crossover behaviour in one-dimensional Fe-II compounds based on the [M(CN)(4)](2-)(M = Pd, Pt) units, DALTON T, vol. 44(20), pp. 9682-9690, , (2015) 10.1039/C5DT00836K
IF CITARE: 4.177

[56.16] Sereidyuk, M; Znovjyak, KO; Kusz, J; Nowak, M; Munoz, MC; Real, JA, Control of the spin state by charge and ligand substitution: two-step spin crossover behaviour in a novel neutral iron(II) complex, DALTON T, vol. 43(43), pp. 16387-16394, , (2014) 10.1039/C4DT01885K
IF CITARE: 4.197

[56.17] Uebler, JW; LaDuca, RL, A cadmium oxybisbenzoate/pyridylnicotinamide coordination polymer with a new 8-connected self-penetrated topology, INORG CHEM COMMUN, vol. 48, pp. 114-119, , (2014) 10.1016/J.INOCHE.2014.08.032
IF CITARE: 1.777

- [56.18] Bikas, R; Hosseini-Monfared, H; Vasylyeva, V; Sanchiz, J; Alonso, J; Barandiaran, JM; Janiak, C, Heteronuclear, mixed-metal Ag(I)-Mn(II) coordination polymers with bridging N-pyridinylisonicotinohydrazide ligands: synthesis, crystal structures, magnetic and photoluminescence properties, *DALTON T*, vol. 43(31), pp. 11925-11935, , (2014) 10.1039/C4DT01390E
IF CITARE: 4.197
- [56.19] Rodriguez-Velamazan, JA; Canadillas-Delgado, L; Castro, M; McIntyre, GJ; Real, JA, Temperature- and pressure-dependent structural study of {Fe(pmd)(2)[Ag(CN)(2)](2)}(n) spin-crossover compound by neutron Laue diffraction, *ACTA CRYSTALLOGR B*, vol. 70, pp. 436-443, , (2014) 10.1107/S2052520614003023
IF CITARE: 2.184
- [56.20] Li, JY; Yan, Z; Ni, ZP; Zhang, ZM; Chen, YC; Liu, W; Tong, ML, Guest-Effectuated Spin-Crossover in a Novel Three-Dimensional Self-Penetrating Coordination Polymer with Permanent Porosity, *INORG CHEM*, vol. 53(8), pp. 4039-4046, , (2014) 10.1021/IC403069D
IF CITARE: 4.762
- [56.21] Ababei, R; Pichon, C; Roubeau, O; Li, YG; Brefuel, N; Buisson, L; Guionneau, P; Mathoniere, C; Clerac, R, Rational Design of a Photomagnetic Chain: Bridging Single-Molecule Magnets with a Spin-Crossover Complex, *J AM CHEM SOC*, vol. 135(39), pp. 14840-14853, , (2013) 10.1021/JA407570N
IF CITARE: 11.444
- [56.22] Yang, FL; Chen, MG; Li, XL; Tao, J; Huang, RB; Zheng, LS, Two-Dimensional Iron(II) Networks - Guest-Dependent Structures and Spin-Crossover Behaviors, *EUR J INORG CHEM*, vol. 2013(24), pp. 4234-4242, , (2013) 10.1002/EJIC.201300211
IF CITARE: 2.965
- [56.23] Qin, YL; Yao, RX; Wu, GX; Liu, MM; Zhang, XM, Heterometallic Mixed-Valence Copper(I,II) Cyanides that were Tuned by Using the Chelate Effect: Discovery of Famous Cairo Pentagonal Tiling and Unprecedented {3,4}-Connected {83}2{86} Topological 3D Net, *CHEM-ASIAN J*, vol. 8(7), pp. 1587-1595, , (2013) 10.1002/ASIA.201300143
IF CITARE: 3.935
- [56.24] Klingele, J; Kaase, D; Schmucker, M; Lan, YH; Chastanet, G; Letard, JF, Thermal Spin Crossover and LIESST Effect Observed in Complexes (Fe(L-Ch)(2)(NCX)(2)) [L-Ch=2,5-Di(2-Pyridyl)-1,3,4-Chalcadiazole; Ch = O, S, Se; X = S, Se, BH3], *INORG CHEM*, vol. 52(10), pp. 6000-6010, , (2013) 10.1021/IC400342M
IF CITARE: 4.794
- [56.25] King, P; Henkelis, JJ; Kilner, CA; Halcrow, MA, Four new spin-crossover salts of [Fe(3-bpp)(2)](2+) (3-bpp=2,6-bis[1H-pyrazol-3-yl]pyridine), *POLYHEDRON*, vol. 52, pp. 1449-1456, , (2013) 10.1016/J.POLY.2012.03.038
IF CITARE: 2.047
- [56.26] Kanegawa, S; Kang, S; Sato, O, Spin Crossover Behavior of Dinuclear Fe-II Complexes with Bis-Tetradentate Bridging-Type Ligands, *EUR J INORG CHEM*, vol. (5-6), pp. 725-729, , (2013) 10.1002/EJIC.201201069
IF CITARE: 2.965
- [56.27] Pillet, S; Bendeif, E; Bonnet, S; Shepherd, HJ; Guionneau, P, Multimetastability, phototrapping, and thermal trapping of a metastable commensurate superstructure in a Fe-II spin-crossover compound, *PHYS REV B*, vol. 86(6), art.no. 064106, (2012) 10.1103/PHYSREVB.86.064106
IF CITARE: 3.767
- [56.28] Bao, X; Guo, PH; Liu, W; Tucek, J; Zhang, WX; Leng, JD; Chen, XM; Gural'skiy, I; Salmon, L; Bousseksou, A; Tong, ML, Remarkably high-temperature spin transition exhibited by new 2D metal-organic frameworks, *CHEM SCI*, vol. 3(5), pp. 1629-1633, , (2012) 10.1039/C2SC00924B
IF CITARE: 8.314
- [56.29] Tao, J; Wei, RJ; Huang, RB; Zheng, LS, Polymorphism in spin-crossover systems, *CHEM SOC REV*, vol. 41(2), pp. 703-737, , (2012) 10.1039/C1CS15136C
IF CITARE: 24.892
- [56.30] Adams, CJ; Munoz, MC; Waddington, RE; Real, JA, Cooperative Spin Transition in the Two-Dimensional Coordination Polymer [Fe(4,4'-bipyridine)(2)(NCX)(2))center dot 4CHCl(3) (X = S, Se), *INORG CHEM*, vol. 50(21), pp. 10633-10642, , (2011) 10.1021/IC200932W
IF CITARE: 4.601
- [56.31] Veber, SL; Fedin, MV; Maryunina, KY; Potapov, A; Goldfarb, D; Reijerse, E; Lubitz, W; Sagdeev, RZ; Ovcharenko, VI; Bagryanskaya, EG, Temperature-Dependent Exchange Interaction in Molecular Magnets Cu(hfac)(2)L-R Studied by EPR: Methodology and Interpretations, *INORG CHEM*, vol. 50(20), pp. 10204-10212, , (2011) 10.1021/IC2011869
IF CITARE: 4.601
- [56.32] Farnum, GA; Gandolfo, CM; LaDuca, RL, Simple layered or complex self-penetrated networks in cadmium homophthalate coordination polymers containing 1,3-bis(4-pyridyl)propane, *INORG CHIM ACTA*, vol. 376(1), pp. 590-597, , (2011) 10.1016/J.ICA.2011.07.029
IF CITARE: 1.846
- [56.33] Munoz, MC; Real, JA, Thermo-, piezo-, photo- and chemo-switchable spin crossover iron(II)-metallocyanate based coordination polymers, *COORDIN CHEM REV*, vol. 255(17-18), pp. 2068-2093, , (2011) 10.1016/J.CCR.2011.02.004
IF CITARE: 12.110
- [56.34] Svendsen, H; Overgaard, J; Chen, YS; Iversen, BB, A photo-induced excited state structure of a hetero-bimetallic ionic pair complex, Nd(DMA)(4)(H2O)(4)Fe(CN)(6)center dot 3H(2)O, analyzed by single crystal X-ray diffraction, *CHEM COMMUN*, vol. 47(33), pp. 9486-9488, , (2011) 10.1039/C1CC12626A
IF CITARE: 6.169
- [56.35] Halcrow, MA, Structure: function relationships in molecular spin-crossover complexes, *CHEM SOC REV*, vol. 40(7), pp. 4119-4142, , (2011) 10.1039/C1CS15046D
IF CITARE: 28.760
- [56.36] Zhang, JF; Meng, SC; Song, YL; Zhou, YM; Cao, YA; Li, JH; Zhao, HJ; Hu, JC; Wu, JH; Humphrey, MG; Zhang, C, Syntheses, Structural, Theoretical, and Nonlinear Optical Studies of Non-Interpenetrating Three-Dimensional Nest-Shaped-Cluster [MoOS3Cu3]-Based Coordination Polymers, *CRYST GROWTH DES*, vol. 11(1), pp. 100-109, , (2011) 10.1021/CG1009779
IF CITARE: 4.720
- [56.37] Gonzalez-Prieto, R; Fleury, B; Schramm, F; Zoppellaro, G; Chandrasekar, R; Fuhr, O; Lebedkin, S; Kappes, M; Ruben, M, Tuning the spin-transition properties of pyrene-decorated 2,6-bispyrazolylpyridine based Fe(II) complexes, *DALTON T*, vol. 40(29), pp. 7564-7570, , (2011) 10.1039/C1DT10420A
IF CITARE: 3.838
- [56.38] Bartual-Murgui, C; Ortega-Villar, NA; Shepherd, HJ; Munoz, MC; Salmon, L; Molnar, G; Bousseksou, A; Real, JA, Enhanced porosity in a new 3D Hofmann-like network exhibiting humidity sensitive cooperative spin transitions at room temperature, *J MATER CHEM*, vol. 21(20), pp. 7217-7222, , (2011) 10.1039/C0JM04387G
IF CITARE: 5.968
- [56.39] Kepenekian, M; Costa, JS; Le Guennic, B; Maldivi, P; Bonnet, S; Reedijk, J; Gamez, P; Robert, V, Reliability and Storage Capacity: a Compromise Illustrated in the Two-Step Spin-Crossover System [Fe(bapbpy)(NCS)(2)], *INORG CHEM*, vol. 49(23), pp. 11057-11061, , (2010) 10.1021/IC101669B
IF CITARE: 4.326
- [56.40] Farnum, GA; LaDuca, RL, Zinc Tricarballoylate Coordination Polymers with a Threaded-Loop Self-Penetrated Layer and Triply Interpenetrated 3,4-Connected Binodal Network Structures: Topological Control through Anion Inclusion, *CRYST GROWTH DES*, vol. 10(4), pp. 1897-1903, , (2010) 10.1021/CG100006A
IF CITARE: 4.390

- [56.41] Rodriguez-Velamazan, JA; Carbonera, C; Castro, M; Palacios, E; Kitazawa, T; Letard, JF; Burriel, R, Two-Step Thermal Spin Transition and LIESST Relaxation of the Polymeric Spin-Crossover Compounds $\text{Fe}(\text{X-py})(2)[\text{Ag}(\text{CN})(2)](2)$ ($\text{X}=\text{H}$, 3-methyl, 4-methyl, 3,4-dimethyl, 3-Cl), CHEM-EUR J, vol. 16(29), pp. 8785-8796, , (2010) 10.1002/CHEM.201000433
IF CITARE: 5.476
- [56.42] Kosone, T; Suzuki, Y; Ono, S; Kanadani, C; Saito, T; Kitazawa, T, A new spin crossover heterometallic $\text{Fe}(\text{II})\text{Ag}(\text{I})$ coordination polymer with the $[\text{Ag}(2)(\text{CN})(3)](-)$ unit: crystallographic and magnetic study, DALTON T, vol. 39(7), pp. 1786-1790, , (2010) 10.1039/B910354F
IF CITARE: 3.647
- [56.43] Shih, CH; Sheu, CF; Kato, K; Sugimoto, K; Kim, J; Wang, Y; Takata, M, The photo-induced commensurate modulated structure in site-selective spin crossover complex $\text{trans-}[\text{Fe}(\text{abpt})(2)(\text{NCS})(2)]$, DALTON T, vol. 39(41), pp. 9794-9800, , (2010) 10.1039/C0DT00470G
IF CITARE: 3.647
- [56.44] Guo, Y; Ma, Y; Zhou, N; Liu, ZQ; Wang, QL; Yan, SP; Liao, DZ, Three Dicyanidometallate(I)-based Complexes Incorporating Hydrogen-bonding, π - π Packing and $d(10)$ - $d(10)$ Interactions with Auxiliary 2,2'-Bipyridyl-like Ligands, Z ANORG ALLG CHEM, vol. 636(5), pp. 865-871, , (2010) 10.1002/ZAAC.200900371
IF CITARE: 1.247
- [56.45] Halcrow, MA, Iron(II) complexes of 2,6-di(pyrazol-1-yl)pyridines-A versatile system for spin-crossover research, COORDIN CHEM REV, vol. 253(21-22), pp. 2493-2514, , (2009) 10.1016/J.CCR.2009.07.009
IF CITARE: 11.225
- [56.46] Southon, PD; Liu, L; Fellows, EA; Price, DJ; Halder, GJ; Chapman, KW; Moubaraki, B; Murray, KS; Letard, JF; Kepert, CJ, Dynamic Interplay between Spin-Crossover and Host-Guest Function in a Nanoporous Metal-Organic Framework Material, J AM CHEM SOC, vol. 131(31), pp. 10998-11009, , (2009) 10.1021/JA902187D
IF CITARE: 8.580
- [56.47] Weng, HS; Lin, JD; Long, XF; Li, ZH; Lin, P; Du, SW, Syntheses, topological analyses and photoelectric properties of $\text{Ag}(\text{I})/\text{Cu}(\text{I})$ metal-organic frameworks based on a tetradentate imidazolate ligand, J SOLID STATE CHEM, vol. 182(6), pp. 1408-1416, , (2009) 10.1016/J.JSSC.2009.03.012
IF CITARE: 2.340
- [56.48] Zhu, DR; Qi, L; Cheng, HM; Shen, XA; Lu, W, $\text{Fe}(\text{II})$ Spin Crossover Molecule-Based Materials, PROG CHEM, vol. 21(6), pp. 1187-1198, , (2009)
IF CITARE: 0.649
- [56.49] Benmansour, S; Setifi, F; Triki, S; Thetiot, F; Sala-Pala, J; Gomez-Garcia, CJ; Colacio, E, High-dimensional mixed-valence copper cyanide complexes: Syntheses, structural characterizations and magnetism, POLYHEDRON, vol. 28(7), pp. 1308-1314, , (2009) 10.1016/J.POLY.2009.02.015
IF CITARE: 2.207
- [56.50] Agusti, G; Munoz, MC; Gaspar, AB; Real, JA, Spin-Crossover Behavior in Cyanide-Bridged Iron(II)-Copper(I) Bimetallic 1-3D Metal-Organic Frameworks, INORG CHEM, vol. 48(8), pp. 3371-3381, , (2009) 10.1021/IC8010458
IF CITARE: 4.657
- [56.51] Shyu, E; Supkowski, RM; LaDuca, RL, A Chiral Luminescent Coordination Polymer Featuring a Unique 4-Connected Self-Catenated Topology Built from Helical Motifs, INORG CHEM, vol. 48(7), pp. 2723-2725, , (2009) 10.1021/IC900241Q
IF CITARE: 4.657
- [56.52] Agusti, G; Gaspar, AB; Munoz, MC; Lacroix, PG; Real, JA, Spin Crossover and Paramagnetic Behaviour in Two-Dimensional Iron(II) Coordination Polymers with Stilbazole Push-Pull Ligands, AUST J CHEM, vol. 62(9), pp. 1155-1165, , (2009) 10.1071/CH09100
IF CITARE: 1.959
- [56.53] Sheu, CF; Chen, K; Chen, SM; Wen, YS; Lee, GH; Chen, JM; Lee, JF; Cheng, BM; Sheu, HS; Yasuda, N; Ozawa, Y; Toriumi, K; Wang, Y, Structure and Electronic Configuration of an Iron(II) Complex in a LIESST State: A Pump and Probe Method, CHEM-EUR J, vol. 15(10), pp. 2384-2393, , (2009) 10.1002/CHEM.200802279
IF CITARE: 5.382
- [56.54] Martinez, V; Gaspar, AB; Munoz, MC; Bukin, GV; Levchenko, G; Real, JA, Synthesis and Characterisation of a New Series of Bistable Iron(II) Spin-Crossover 2D Metal-Organic Frameworks, CHEM-EUR J, vol. 15(41), pp. 10960-10971, , (2009) 10.1002/CHEM.200901391
IF CITARE: 5.382
- [56.55] Haywood, J; Wheatley, AEH, Alkali/coinage metals-organolithium, organocuprate chemistry, ORGANOMET CHEM, vol. 35, pp. 130-161, , (2009) 10.1039/B801381K
IF CITARE: 0.000
- [56.56] Halder, GJ; Chapman, KW; Neville, SM; Moubaraki, B; Murray, KS; Letard, JF; Kepert, CJ, Elucidating the Mechanism of a Two-Step Spin Transition in a Nanoporous Metal-Organic Framework, J AM CHEM SOC, vol. 130(51), pp. 17552-17562, , (2008) 10.1021/JA8068038
IF CITARE: 8.091
- [56.57] Sheu, CF; Pillet, S; Lin, YC; Chen, SM; Hsu, JJ; Lecomte, C; Wang, Y, Magnetostructural Relationship in the Spin-Crossover Complex $t\text{-}[\text{Fe}(\text{abpt})(2)[\text{N}(\text{CN})(2)](2)]$: Polymorphism and Disorder Phenomenon, INORG CHEM, vol. 47(23), pp. 10866-10874, , (2008) 10.1021/IC800879C
IF CITARE: 4.147
- [56.58] Martin, DP; Staples, RJ; LaDuca, RL, A Chiral Self-Catenated Dual-Ligand Coordination Polymer Constructed from Three Distinct Interwoven Helical Motifs Interconnected by One-Dimensional Chains, INORG CHEM, vol. 47(21), pp. 9754-9756, , (2008) 10.1021/IC801471E
IF CITARE: 4.147
- [56.59] Mouri, S; Tanaka, K; Bonhommeau, S; Moussa, NO; Molnar, G; Bousseksou, A, Relaxation process from photoinduced states of double-step spin-crossover systems using a kinetic two-sublattice Ising-like model including intra-site coupling, PHYS REV B, vol. 78(17), art.no. 174308, (2008) 10.1103/PHYSREVB.78.174308
IF CITARE: 3.322
- [56.60] Martin, DP; Supkowski, RM; LaDuca, RL, A three-dimensional mixed-ligand coordination polymer featuring strongly antiferromagnetically coupled dinuclear copper paddlewheels linked into a 6-connected self-penetrated network, CRYST GROWTH DES, vol. 8(10), pp. 3518-3520, , (2008) 10.1021/CG800743A
IF CITARE: 4.215
- [56.61] Agusti, G; Munoz, MC; Gaspar, AB; Real, JA, Spin-crossover behavior in cyanide-bridged Iron(II)-Gold(I) bimetallic 2D hofmann-like metal-organic frameworks, INORG CHEM, vol. 47(7), pp. 2552-2561, , (2008) 10.1021/IC701865K
IF CITARE: 4.147
- [56.62] Nakao, K; Hayami, S; Akita, M; Inoue, K, LIESST effect and cooperativity of a 2-D Hofmann-type compound, CHEM LETT, vol. 37(3), pp. 292-293, , (2008) 10.1246/CL.2008.292
IF CITARE: 1.478
- [56.63] Agusti, G; Thompson, AL; Gaspar, AB; Munoz, MC; Goeta, AE; Rodriguez-Velamazan, JA; Castro, M; Burriel, R; Real, JA, Thermal, pressure and light induced spin transition in the two-dimensional coordination polymer $\{\text{Fe}(\text{pmd})(2)[\text{Cu}(\text{CN})(2)](2)\}$, DALTON T, vol. (5), pp. 642-649, , (2008) 10.1039/B711834A
IF CITARE: 3.580
- [56.64] Cole, JM, Photocrystallography, ACTA CRYSTALLOGR A, vol. 64, pp. 259-271, , (2008) 10.1107/S0108767307065324
IF CITARE: 2.051
- [56.65] Halcrow, MA, Trapping and manipulating excited spin states of transition metal compounds, CHEM SOC REV, vol. 37(2), pp. 278-289, , (2008) 10.1039/B701085K
IF CITARE: 17.419

- [56.66] Quesada, M; Prins, F; Bill, E; Kooijman, H; Gamez, P; Roubeau, O; Spek, AL; Haasnoot, JG; Reedijk, J, Counterion Effect on the Spin-Transition Properties of the Cation [Fe(btzx)(3)](2+) (btzx = m-Xylylenebis(tetrazole)), CHEM-EUR J, vol. 14(28), pp. 8486-8499, , (2008) 10.1002/CHEM.200800990
IF CITARE: 5.454
- [56.67] Collet, E; Cointe, MBL; Lorenc, M; Cailleau, H, State of the art and opportunities in probing photoinduced phase transitions in molecular materials by conventional and picosecond X-ray diffraction, Z KRISTALLOGR, vol. 223(4-5), pp. 272-282, , (2008) 10.1524/ZKRI.2008.0027
IF CITARE: 0.708
- [56.68] Legrand, V; Pillet, S; Carbonera, C; Souhassou, M; Letard, JF; Guionneau, P; Lecomte, C, Optical, magnetic and structural properties of the spin-crossover complex [Fe(btr)(2)(NCS)(2)]center dot H2O in the light-induced and thermally quenched metastable states, EUR J INORG CHEM, vol. (36), pp. 5693-5706, , (2007) 10.1002/EJIC.200700872
IF CITARE: 2.597
- [56.69] Roy, P; Mara, K; Chakraborty, J; Nethaji, M; Banerjee, P, Synthesis and crystal structure of an iron(II) dimeric complex, INDIAN J CHEM A, vol. 46(12), pp. 1947-1950, , (2007)
IF CITARE: 0.685
- [56.70] Legrand, V; Pillet, S; Weber, HP; Souhassou, M; Letard, JF; Guionneau, P; Lecomte, C, On the precision and accuracy of structural analysis of light-induced metastable states, J APPL CRYSTALLOGR, vol. 40, pp. 1076-1088, , (2007) 10.1107/S0021889807040149
IF CITARE: 3.629
- [56.71] Seredyuk, M; Gaspar, AB; Kusz, J; Bednarek, G; Guetlich, P, Variable-temperature X-ray crystal structure determinations of {Fe[tren(6-Mepy)(3)]}(ClO4)(2) and {Zn[tren(6-Mepy)(3)]}(ClO4)(2) compounds: correlation of the structural data with magnetic and Mossbauer spectroscopy data, J APPL CRYSTALLOGR, vol. 40, pp. 1135-1145, , (2007) 10.1107/S0021889807048571
IF CITARE: 3.629
- [56.72] Agusti, G; Gaspar, AB; Munoz, MC; Real, JA, Thermal- and pressure-induced cooperative spin transition in the 2D and 3D coordination polymers {Fe(5-Br-pmd)(z)}[M(CN)(x)](y) (M = Ag-I, Au-I, Ni-II, Pd-II, Pt-II), INORG CHEM, vol. 46(23), pp. 9646-9654, , (2007) 10.1021/IC700993S
IF CITARE: 4.123
- [56.73] Faulmann, C; Jacob, K; Dorbes, S; Lampert, S; Malfant, I; Doublet, ML; Valade, L; Real, JA, Electrical conductivity and spin crossover: A new achievement with a metal bis dithiolene complex, INORG CHEM, vol. 46(21), pp. 8548-8559, , (2007) 10.1021/IC062461C
IF CITARE: 4.123
- [56.74] Munoz, MC; Gaspar, AB; Galet, A; Real, JA, Spin-crossover behavior in cyanide-bridged iron(II)-silver(I) bimetallic 2D Hofmann-like metal-organic frameworks, INORG CHEM, vol. 46(20), pp. 8182-8192, , (2007) 10.1021/IC700607X
IF CITARE: 4.123
- [56.75] Martin, DP; Supkowski, RM; LaDuca, RL, Self-catenated and interdigitated layered coordination polymers constructed from kinked dicarboxylate and organodiiimine ligands, INORG CHEM, vol. 46(19), pp. 7917-7922, , (2007) 10.1021/IC700931U
IF CITARE: 4.123
- [56.76] Rodriguez-Dieguez, A; Colacio, E, Crystal structure and magnetic properties of [{Cu(cyclam)}(3){Fe(CN)(6)}(2)] center dot 6H(2)O, a cyano-bridged assembly with a rope-ladder chain structure, POLYHEDRON, vol. 26(12), pp. 2859-2863, , (2007) 10.1016/J.POLY.2007.01.046
IF CITARE: 1.756
- [56.77] Bousseksou, A; Molnar, G; Real, JA; Tanaka, K, Spin crossover and photomagnetism in dinuclear iron(II) compounds, COORDIN CHEM REV, vol. 251(13-14), pp. 1822-1833, , (2007) 10.1016/J.CCR.2007.02.023
IF CITARE: 8.568
- [56.78] Absmeier, A; Bartel, M; Carbonera, C; Jameson, GNL; Werner, F; Reissner, M; Caneschi, A; Letard, JF; Linert, W, Mutual influence of spacer length and noncoordinating anions on thermal and light-induced spin-crossover properties of iron(II)-alpha,omega-bis(tetrazol-1-yl)alkane coordination polymers, EUR J INORG CHEM, vol. (19), pp. 3047-3054, , (2007) 10.1002/EJIC.200601096
IF CITARE: 2.597
- [56.79] Bartel, M; Absmeier, A; Jameson, GNL; Werner, F; Kato, K; Takata, M; Boca, R; Hasegawa, M; Mereiter, K; Caneschi, A; Linert, W, Modification of spin crossover behavior through solvent assisted formation and solvent inclusion in a triply interpenetrating three-dimensional network, INORG CHEM, vol. 46(10), pp. 4220-4229, , (2007) 10.1021/IC070173Q
IF CITARE: 4.123
- [56.80] Zhang, W; Zhao, F; Liu, T; Yuan, M; Wang, ZM; Gao, S, Spin crossover in a series of iron(II) complexes of 2-(2-alkyl-2H-tetrazol-5-yl)-1,10-phenanthroline: Effects of alkyl side chain, solvent, and anion, INORG CHEM, vol. 46(7), pp. 2541-2555, , (2007) 10.1021/IC062062H
IF CITARE: 4.123
- [56.81] Rodriguez-Velamazan, JA; Castro, M; Palacios, E; Burriel, R; Kitazawa, T; Kawasaki, T, A two-step spin transition with a disordered intermediate state in a new two-dimensional coordination polymer, J PHYS CHEM B, vol. 111(6), pp. 1256-1261, , (2007) 10.1021/JP066010P
IF CITARE: 4.086
- [56.82] Trzop, E; Cointe, MBL; Cailleau, H; Toupet, L; Molnar, G; Bousseksou, A; Gaspar, AB; Real, JA; Collet, E, Structural investigation of the photoinduced spin conversion in the dinuclear compound {[Fe(bt)(NCS)(2)](2)(bpym)}: toward controlled multi-stepped molecular switches, J APPL CRYSTALLOGR, vol. 40, pp. 158-164, , (2007) 10.1107/S002188980605028X
IF CITARE: 3.629
- [56.83] Suarez-Varela, J; Sakiyama, H; Cano, J; Colacio, E, Interplay between covalent and aurophilic interactions in a series of isostructural 3D Hoffman-like frameworks containing bipyrimidine and dicyanoaurate bridges. X-Ray structure and magnetic properties of {(mu-Au(CN)(2))[(M(NH3)(2))(2)(mu-bpym)]}; [Au(CN)(2)](2) (M=Ni(II), Co(II) and Cu(II)), DALTON T, vol. (2), pp. 249-256, , (2007) 10.1039/B611684A
IF CITARE: 3.212
- [56.84] Goeta, AE; Howard, JAK; Hughes, AK; O'Hare, D; Copley, RCB, Structural-magnetic correlations on the first dinuclear spin crossover d(4) system, J MATER CHEM, vol. 17(5), pp. 485-492, , (2007) 10.1039/B612121G
IF CITARE: 4.339
- [56.85] Rodriguez-Dieguez, A; Kivekas, R; Sillanpaa, R; Cano, J; Lloret, F; McKee, V; Stoeckli-Evans, H; Colacio, E, Structural and magnetic diversity in cyano-bridged bi- and trimetallic complexes assembled from cyanometalates and [M(rac-CTH)](n+) building blocks (CTH = d, l-5,5',7,12,12',14-hexamethyl-1,4,8,11-tetraazacyclotetradecane), INORG CHEM, vol. 45(26), pp. 10537-10551, , (2006) 10.1021/IC061187J
IF CITARE: 3.911
- [56.86] Gaspar, AB; Ksenofontov, V; Reiman, S; Gutlich, P; Thompson, AL; Goeta, AE; Munoz, MC; Real, JA, Mossbauer investigation of the photoexcited spin states and crystal structure analysis of the spin-crossover dinuclear complex [{Fe(bt)(NCS)(2)}(2)(bpym)] (bt=2,2'-bithiazoline, bpym=2,2'-bipyrimidine), CHEM-EUR J, vol. 12(36), pp. 9289-9298, , (2006) 10.1002/CHEM.200600559
IF CITARE: 5.015
- [56.87] Rajadurai, C; Schramm, F; Brink, S; Fuhr, O; Ghafari, M; Kruk, R; Ruben, M, Spin transition in a chainlike supramolecular iron(II) complex, INORG CHEM, vol. 45(25), pp. 10019-10021, , (2006) 10.1021/IC0612350
IF CITARE: 3.911
- [56.88] Brefuel, N; Shova, S; Lipkowski, J; Tuchagues, JP, Fe-II bi-stable materials based on dissymmetrical ligands: N-4 Schiff bases including 2-pyridyl and 5-methylimidazol-4-yl rings yield various Fe-II spin-crossover phenomena around 300 K, CHEM MATER, vol. 18(23), pp. 5467-5479, , (2006) 10.1021/CM061524M
IF CITARE: 5.104
- [56.89] Galet, A; Munoz, MC; Real, JA, {Fe(3CNpy)(2)[Cu(3CNpy)(mu-CN)(2)](2)}: a one-dimensional cyanide-based spin-crossover coordination polymer, INORG CHEM, vol. 45(12), pp. 4583-4585, , (2006) 10.1021/IC060247I
IF CITARE: 3.911

- [56.90] Duriska, MB; Batten, SR; Price, DJ, An interpenetrating coordination polymer containing weak hydrogen bonds and argentophilic interactions, *AUST J CHEM*, vol. 59(1), pp. 26-29, , (2006) 10.1071/CH05304
IF CITARE: 1.895
- [56.91] Gaspar, AB; Munoz, MC; Real, JA, Dinuclear iron(II) spin crossover compounds: singular molecular materials for electronics, *J MATER CHEM*, vol. 16(26), pp. 2522-2533, , (2006) 10.1039/B603488H
IF CITARE: 4.287
- [56.92] Galet, A; Gaspar, AB; Munoz, MC; Bukin, GV; Levchenko, G; Real, JA, Tunable bistability in a three-dimensional spin-crossover sensory- and memory-functional material, *ADV MATER*, vol. 17(24), pp. 2949-+, , (2005) 10.1002/ADMA.200501122
IF CITARE: 9.107
- [56.93] Galet, A; Munoz, MC; Gaspar, AB; Real, JA, Architectural isomerism in the three-dimensional polymeric spin crossover system {Fe(pmd)(2)[Ag(CN)(2)](2)}: Synthesis, structure, magnetic properties, and calorimetric studies, *INORG CHEM*, vol. 44(24), pp. 8749-8755, , (2005) 10.1021/IC0509074
IF CITARE: 3.851
- [56.94] Ortega-Villar, N; Thompson, AL; Munoz, MC; Ugalde-Saldivar, VM; Goeta, AE; Moreno-Esparza, R; Real, JA, Solid- and solution-state studies of the novel mu-dicyanamide-bridged dinuclear spin-crossover system {[Fe(bztpen)](2)[mu-N(CN)(2)]}(PF6)(3)center dot nH(2)O, *CHEM-EUR J*, vol. 11(19), pp. 5721-5734, , (2005) 10.1002/CHEM.200500171
IF CITARE: 4.907
- [56.95] Thompson, AL; Money, VA; Goeta, AE; Howard, JAK, Structural studies of thermal- and light-induced transitions in iron(II) spin-crossover complexes, *CR CHIM*, vol. 8(9-10), pp. 1365-1373, , (2005) 10.1016/J.CRCI.2004.09.020
IF CITARE: 1.577
- [56.96] Dietzel, PDC; Morita, Y; Blom, R; Fjellvag, H, An in situ high-temperature single-crystal investigation of a dehydrated metal-organic framework compound and field-induced magnetization of one-dimensional metaloxigen chains, *ANGEW CHEM INT EDIT*, vol. 44(39), pp. 6354-6358, , (2005) 10.1002/ANIE.200501508
IF CITARE: 9.596
- auri=8 IF=4.907 UAIC I.1(ISI)=39.928 nr.citari=96 UAIC I.12 (Citari)=1291.095
-
- [57] **Tanasa, R; Enachescu, C; Stancu, A; Linares, J; Codjovi, E; Varret, F; Haasnoot, J, First-order reversal curve analysis of spin-transition thermal hysteresis in terms of physical-parameter distributions and their correlations, *PHYS REV B*, vol. 71(1), art.no. 014431, (2005) 10.1103/PHYSREVB.71.014431**
- [57.1] Nishino, M; Miyashita, S; Rikvold, PA, Nontrivial phase diagram for an elastic interaction model of spin crossover materials with antiferromagnetic-like short-range interactions, *PHYS REV B*, vol. 96(14), art.no. 144425, (2017) 10.1103/PHYSREVB.96.144425
IF CITARE: 3.836
- [57.2] Cimpoesu, D; Dumitru, I; Stancu, A, Kinetic effects observed in dynamic first-order reversal curves of magnetic wires: Experiment and theoretical description, *J APPL PHYS*, vol. 120(17), art.no. 173902, (2016) 10.1063/1.4966608
IF CITARE: 2.068
- [57.3] Linares, J; Jureschi, CM; Boulmaali, A; Boukheddaden, K, Matrix and size effects on the appearance of the thermal hysteresis in 2D spin crossover nanoparticles, *PHYSICA B*, vol. 486, pp. 164-168, , (2016) 10.1016/J.PHYSB.2015.09.048
IF CITARE: 1.386
- [57.4] Monnor, T; Kanchiang, K; Yimnirun, R; Laosiritaworn, Y, Modeling and characterization of hysteresis loops with Preisach hysteron weight modification, *INTEGR FERROELECTR*, vol. 175(1), pp. 33-43, , (2016) 10.1080/10584587.2016.1199929
IF CITARE: 0.457
- [57.5] Franco, V; Gottschall, T; Skokov, KP; Gutfleisch, O, First-Order Reversal Curve (FORC) Analysis of Magnetocaloric Heusler-Type Alloys, *IEEE MAGN LETT*, vol. 7, art.no. 6602904, (2016) 10.1109/LMAG.2016.2541622
IF CITARE: 1.644
- [57.6] Romero-Morcillo, T; Seredyuk, M; Munoz, MC; Real, JA, Melttable Spin Transition Molecular Materials with Tunable T-c and Hysteresis Loop Width, *ANGEW CHEM INT EDIT*, vol. 54(49), pp. 14777-14781, , (2015) 10.1002/ANIE.201507620
IF CITARE: 11.709
- [57.7] Chiruta, D; Jureschi, CM; Linares, J; Nasser, J; Rotaru, A, Analysis of spin crossover nanochains using parabolic approximation in the framework of atom-phonon coupling model, *PHYSICA B*, vol. 476, pp. 61-70, , (2015) 10.1016/J.PHYSB.2015.06.024
IF CITARE: 1.352
- [57.8] Nica, M; Stancu, A, FORC diagram study of magnetostatic interactions in 2D longitudinal arrays of magnetic wires, *PHYSICA B*, vol. 475, pp. 73-79, , (2015) 10.1016/J.PHYSB.2015.07.001
IF CITARE: 1.352
- [57.9] Paradis, N; Chastanet, G; Palamarcu, T; Rosa, P; Varret, F; Boukheddaden, K; Letard, JF, Detailed Investigation of the Interplay Between the Thermal Decay of the Low Temperature Metastable HS State and the Thermal Hysteresis of Spin-Crossover Solids, *J PHYS CHEM C*, vol. 119(34), pp. 20039-20050, , (2015) 10.1021/ACS.JPCC.5B03680
IF CITARE: 4.509
- [57.10] Dirtu, MM; Schmit, F; Naik, AD; Rusu, I; Rotaru, A; Rackwitz, S; Wolny, JA; Schunemann, V; Spinu, L; Garcia, Y, Two-Step Spin Transition in a 1D Fe-II 1,2,4-Triazole Chain Compound, *CHEM-EUR J*, vol. 21(15), pp. 5843-5855, , (2015) 10.1002/CHEM.201406231
IF CITARE: 5.771
- [57.11] Curecheriu, L; Postolache, P; Buscaglia, MT; Buscaglia, V; Ianculescu, A; Mitoseriu, L, Novel magnetoelectric ceramic composites by control of the interface reactions in Fe2O3@BaTiO3 core-shell structures, *J APPL PHYS*, vol. 116(8), art.no. 084102, (2014) 10.1063/1.4893896
IF CITARE: 2.183
- [57.12] Khanal, S; Diaconu, A; Vargas, JM; Lenormand, DR; Garcia, C; Ross, CA; Spinu, L, Exchange bias in (FeNi/IrMn)n multilayer films evaluated by static and dynamic techniques, *J PHYS D APPL PHYS*, vol. 47(25), art.no. 255002, (2014) 10.1088/0022-3727/47/25/255002
IF CITARE: 2.721
- [57.13] Chiruta, D; Linares, J; Dahoo, PR; Dimian, M, Influence of pressure and interactions strength on hysteretic behavior in two-dimensional polymeric spin crossover compounds, *PHYSICA B*, vol. 435, pp. 76-79, , (2014)
IF CITARE: 1.319
- [57.14] Roy, D; Sreenivasulu, KV; Kumar, PSA, Investigation on non-exchange spring behaviour and exchange spring behaviour: A first order reversal curve analysis, *APPL PHYS LETT*, vol. 103(22), art.no. 222406, (2013) 10.1063/1.4836015
IF CITARE: 3.515
- [57.15] Kumar, H; Fantini, MCA; Cornejo, DR, Evidence of Coexistence of Ferromagnetic and Antiferromagnetic Phases in Nearly Equiatomic FeRh, *IEEE T MAGN*, vol. 49(8), pp. 4506-4509, , (2013) 10.1109/TMAG.2013.2262040
IF CITARE: 1.213
- [57.16] Curecheriu, L; Postolache, P; Buscaglia, V; Horchidan, N; Alexe, M; Mitoseriu, L, BaTiO3-ferrite composites with magnetocapacitance and hard/soft magnetic properties, *PHASE TRANSIT*, vol. 86(7), pp. 670-680, , (2013) 10.1080/01411594.2012.756879
IF CITARE: 1.044
- [57.17] Chiruta, D; Linares, J; Garcia, Y; Dahoo, PR; Dimian, M, Analysis of the Hysteretic Behaviour of 3D Spin Crossover Compounds by Using an Ising-Like Model, *EUR J INORG CHEM*, vol. 2013(21), pp. 3601-3608, , (2013) 10.1002/EJIC.201300412
IF CITARE: 2.965
- [57.18] Paradis, N; Chastanet, G; Varret, F; Letard, JF, Metal Dilution of Cooperative Spin-Crossover Compounds: When Stable and Metastable High-Spin States Meet, *EUR J INORG CHEM*, vol. (5-6), pp. 968-974, , (2013) 10.1002/EJIC.201201084

IF CITARE: 2.965

[57.19] Matau, F; Nica, V; Postolache, P; Ursachi, I; Cotiuga, V; Stancu, A, Physical study of the Cucuteni pottery technology, J ARCHAEOLOGICAL SCI, vol. 40(2), pp. 914-925, (2013) 10.1016/J.JAS.2012.08.021

IF CITARE: 2.139

[57.20] Rotaru, A; Graur, A; Rotaru, GM; Linares, J; Garcia, Y, Influence of intermolecular interactions and size effect on LITH-FORC diagram in 1D spin crossover compounds, J OPTOELECTRON ADV M, vol. 14(5-6), pp. 529-536, (2012)

IF CITARE: 0.516

[57.21] Ursachi, I; Vasile, A; Chiriac, H; Postolache, P; Stancu, A, Magnetic properties of magnetite nanoparticles coated with mesoporous silica by sonochemical method, MATER RES BULL, vol. 46(12), pp. 2468-2473, (2011) 10.1016/J.MATERRESBULL.2011.08.033

IF CITARE: 2.105

[57.22] Rotaru, A; Varret, F; Gindulescu, A; Linares, J; Stancu, A; Letard, JF; Forestier, T; Etrillard, C, Size effect in spin-crossover systems investigated by FORC measurements, for surfacted [Fe(NH₂-trz)(3)](Br)(2)center dot 3H(2)O nanoparticles: reversible contributions and critical size, EUR PHYS J B, vol. 84(3), pp. 439-449, (2011) 10.1140/EPJB/E2011-10903-X

IF CITARE: 1.534

[57.23] Rotaru, A; Lim, JH; Lenormand, D; Diaconu, A; Wiley, JB; Postolache, P; Stancu, A; Spinu, L, Interactions and reversal-field memory in complex magnetic nanowire arrays, PHYS REV B, vol. 84(13), art.no. 134431, (2011) 10.1103/PHYSREVB.84.134431

IF CITARE: 3.691

[57.24] Weber, B; Bauer, W; Pfaffeneder, T; Dirtu, MM; Naik, AD; Rotaru, A; Garcia, Y, Influence of Hydrogen Bonding on the Hysteresis Width in Iron(II) Spin-Crossover Complexes, EUR J INORG CHEM, vol. (21), pp. 3193-3206, (2011) 10.1002/EJIC.201100394

IF CITARE: 3.049

[57.25] Siadou, N; Androustopoulos, M; Panagiotopoulos, I; Stoleriu, L; Stancu, A; Bakas, T; Alexandrakakis, V, Magnetization reversal in [Ni/Pt](6)/Pt(x)/[Co/Pt](6) multilayers, J MAGN MAGN MATER, vol. 323(12), pp. 1671-1677, (2011) 10.1016/J.JMMM.2011.01.035

IF CITARE: 1.780

[57.26] Gudyma, IV; Maksymov, AI, High spin metastable state relaxation of spin-crossover solids driven by white noise, J PHYS CHEM SOLIDS, vol. 72(2), pp. 73-77, (2011) 10.1016/J.JPCS.2010.11.002

IF CITARE: 1.632

[57.27] Varret, F; Slimani, A; Boukheddaden, K; Chong, C; Mishra, H; Collet, E; Haasnoot, J; Pillet, S, The propagation of the thermal spin transition of [Fe(btr)(2)(NCS)(2)]center dot H₂O single crystals, observed by optical microscopy, NEW J CHEM, vol. 35(10), pp. 2333-2340, (2011) 10.1039/C1NJ20332K

IF CITARE: 2.605

[57.28] Bousseksou, A; Molnar, G; Salmon, L; Nicolazzi, W, Molecular spin crossover phenomenon: recent achievements and prospects, CHEM SOC REV, vol. 40(6), pp. 3313-3335, (2011) 10.1039/C1CS15042A

IF CITARE: 28.760

[57.29] Wang, S; Ferbinteanu, M; Marinescu, C; Dobrinescu, A; Ling, QD; Huang, W, Case Study on a Rare Effect: The Experimental and Theoretical Analysis of a Manganese(III) Spin-Crossover System, INORG CHEM, vol. 49(21), pp. 9839-9851, (2010) 10.1021/IC100364V

IF CITARE: 4.326

[57.30] Bedoui, S; Molnar, G; Bonnet, S; Quintero, C; Shepherd, HJ; Nicolazzi, W; Salmon, L; Bousseksou, A, Raman spectroscopic and optical imaging of high spin/low spin domains in a spin crossover complex, CHEM PHYS LETT, vol. 499(1-3), pp. 94-99, (2010) 10.1016/J.CPLETT.2010.09.027

IF CITARE: 2.282

[57.31] Dirtu, MM; Neuhausen, C; Naik, AD; Rotaru, A; Spinu, L; Garcia, Y, Insights into the Origin of Cooperative Effects in the Spin Transition of [Fe(NH(2)trz)(3)](NO₃)(2): the Role of Supramolecular Interactions Evidenced in the Crystal Structure of [Cu(NH(2)trz)(3)](NO₃)(2)center dot H₂O, INORG CHEM, vol. 49(12), pp. 5723-5736, (2010) 10.1021/IC100667F

IF CITARE: 4.326

[57.32] Gudyma, IV; Maksymov, AI, Theoretical analysis of the states of spin-crossover solids under cross-correlated noises, PHYSICA B, vol. 405(11), pp. 2534-2537, (2010) 10.1016/J.PHYSB.2010.03.025

IF CITARE: 0.856

[57.33] Tang, GT; Wang, QL; Liao, DZ; Yang, GM, Spin Crossover and Its Research Progress, PROG CHEM, vol. 22(2-3), pp. 257-264, (2010)

IF CITARE: 0.560

[57.34] Ramirez, JG; Shari, A; Dubi, Y; Gomez, ME; Schuller, IK, First-order reversal curve measurements of the metal-insulator transition in VO₂: Signatures of persistent metallic domains, PHYS REV B, vol. 79(23), art.no. 235110, (2009) 10.1103/PHYSREVB.79.235110

IF CITARE: 3.475

[57.35] Tanasa, R; Stancu, A; Codjovi, E; Linares, J; Varret, F; Letard, JF, A first order reversal curve investigation of pressure hysteresis in multiferroics spin transition compound, J APPL PHYS, vol. 103(7), art.no. 07B905, (2008) 10.1063/1.2831335

IF CITARE: 2.201

[57.36] Tanasa, R; Stancu, A; Letard, JF; Codjovi, E; Linares, J; Varret, F, Piezo- and thermo-switch investigation of the spin-crossover compound [Fe(PM-BiA)(2)(NCS)(2)], CHEM PHYS LETT, vol. 443(4-6), pp. 435-438, (2007) 10.1016/J.CPLETT.2007.06.100

IF CITARE: 2.207

[57.37] Varret, F; Boukheddaden, K; Chong, C; Goujon, A; Gillon, B; Jetic, J; Hauser, A, Light-induced phase separation in the [Fe(ptz)(6)](BF₄)(2) spin-crossover single crystal, EPL-EUROPHYS LETT, vol. 77(3), art.no. 30007, (2007) 10.1209/0295-5075/77/30007

IF CITARE: 2.206

[57.38] Stoleriu, L; Stancu, A; Mitoseriu, L; Piazza, D; Galassi, C, Analysis of switching properties of porous ferroelectric ceramics by means of first-order reversal curve diagrams, PHYS REV B, vol. 74(17), art.no. 174107, (2006) 10.1103/PHYSREVB.74.174107

IF CITARE: 3.107

[57.39] Tanasa, R; Stancu, A, Statistical characterization of the FORC diagram, IEEE T MAGN, vol. 42(10), pp. 3246-3248, (2006) 10.1109/TMAG.2006.878425

IF CITARE: 0.938

[57.40] Stancu, A; Andrei, P; Stoleriu, L, Magnetic characterization of samples using first- and second-order reversal curve diagrams, J APPL PHYS, vol. 99(8), art.no. 08D702, (2006) 10.1063/1.2172539

IF CITARE: 2.316

[57.41] Stancu, A; Andrei, P, Characterization of static hysteresis models using first-order reversal curves diagram method, PHYSICA B, vol. 372(1-2), pp. 72-75, (2006) 10.1016/J.PHYSB.2005.10.022

IF CITARE: 0.872

autori=7 IF=3.185 UAIC I.1(ISI)=30.871 nr.citari=41 UAIC I.12 (Citari)=428.549

[58] Enachescu, C; Linares, J; Varret, F; Boukheddaden, K; Codjovi, E; Salunke, SG; Mukherjee, R, Nonexponential relaxation of the metastable state of the spin-crossover system [Fe(L)(2)](ClO₄)(2)center dot H₂O [L=2,6-bis(pyrazol-1-ylmethyl)pyridine], INORG CHEM, vol. 43(16), pp. 4880-4888, (2004) 10.1021/IC049938

[58.1] Craig, GA; Roubeau, O; Aromi, G, Spin state switching in 2,6-bis(pyrazol-3-yl)pyridine (3-bpp) based Fe(II) complexes, COORDIN CHEM REV, vol. 269, pp. 13-31, (2014) 10.1016/J.CCR.2014.02.002

IF CITARE: 12.239

[58.2] Sciortino, NF; Neville, SM; Desplanches, C; Letard, JF; Martinez, V; Real, JA; Moubaraki, B; Murray, KS; Kepert, CJ, An Investigation of Photo- and Pressure-Induced Effects in a Pair of Isostructural Two-Dimensional Spin-Crossover Framework Materials, CHEM-EUR J, vol. 20(24), pp. 7448-7457, , (2014) 10.1002/CHEM.201400367

IF CITARE: 5.731

[58.3] Craig, GA; Costa, JS; Roubeau, O; Teat, SJ; Shepherd, HJ; Lopes, M; Molnar, G; Bousseksou, A; Aromi, G, High-temperature photo-induced switching and pressure-induced transition in a cooperative molecular spin-crossover material, DALTON T, vol. 43(2), pp. 729-737, , (2014) 10.1039/C3DT52075G

IF CITARE: 4.197

[58.4] Rotaru, A; Graur, A; Rotaru, GM; Linares, J; Garcia, Y, Influence of intermolecular interactions and size effect on LITH-FORC diagram in 1D spin crossover compounds, J OPTOELECTRON ADV M, vol. 14(5-6), pp. 529-536, , (2012)

IF CITARE: 0.516

[58.5] Fedin, MV; Maryunina, KY; Sagdeev, RZ; Ovcharenko, VI; Bagryanskaya, EG, Self-Decelerating Relaxation of the Light-Induced Spin States in Molecular Magnets Cu(hfac)(2)L-R Studied by Electron Paramagnetic Resonance, INORG CHEM, vol. 51(1), pp. 709-717, , (2012) 10.1021/IC202248V

IF CITARE: 4.593

[58.6] Veber, SL; Fedin, MV; Maryunina, KY; Potapov, A; Goldfarb, D; Reijerse, E; Lubitz, W; Sagdeev, RZ; Ovcharenko, VI; Bagryanskaya, EG, Temperature-Dependent Exchange Interaction in Molecular Magnets Cu(hfac)(2)L-R Studied by EPR: Methodology and Interpretations, INORG CHEM, vol. 50(20), pp. 10204-10212, , (2011) 10.1021/IC2011869

IF CITARE: 4.601

[58.7] Javed, S; Balamurugan, V; Jacob, W; Sharma, AK; Mukherjee, R, Discrete monomeric and chloride-bridged dimeric and 1D coordination polymeric mercury(II) complexes of a class of pyridyl-pyrazole ligands with variable denticity and flexibility, INDIAN J CHEM A, vol. 50(9-10), pp. 1248-1256, , (2011)

IF CITARE: 0.891

[58.8] Sharma, AK; De, A; Balamurugan, V; Mukherjee, R, Conformational flexibility of 2,6-bis(pyrazol-1-ylmethyl) pyridine (L-5) in [(L-5)Co-II(H2O)(3)]Cl-2 and [(L-5)Ni-II(H2O)(2)Cl]Cl center dot H2O. Molecular structures and non-covalent interactions, INORG CHIM ACTA, vol. 372(1), pp. 327-332, , (2011) 10.1016/J.ICA.2011.02.038

IF CITARE: 1.846

[58.9] Chandrasekhar, N; Chandrasekar, R, "Super hybrid tridentate ligands": 4-substituted-2-(1-butyl-1H-1,2,3-triazol-4-yl)-6-(1H-pyrazol-1-yl)pyridine ligands coordinated to Fe(II) ions display above room temperature spin transitions, DALTON T, vol. 39(41), pp. 9872-9878, , (2010) 10.1039/C0DT00373E

IF CITARE: 3.647

[58.10] Halcrow, MA, Iron(II) complexes of 2,6-di(pyrazol-1-yl)pyridines-A versatile system for spin-crossover research, COORDIN CHEM REV, vol. 253(21-22), pp. 2493-2514, , (2009) 10.1016/J.CCR.2009.07.009

IF CITARE: 11.225

[58.11] Mishra, V; Mishra, H; Mukherjee, R, Generation and Properties of Co-I/Ni-I Species Stabilized by a Tetradentate Pyridylpyrazole Ligand: Crystal Structures of Dialkyl-Co-III Complexes, EUR J INORG CHEM, vol. (20), pp. 2973-2980, , (2009) 10.1002/EJIC.200900203

IF CITARE: 2.941

[58.12] Sharma, AK; De, A; Mukherjee, R, Design, structure, and properties of functional metal-ligand inorganic modules, CURR OPIN SOLID ST M, vol. 13(3-4), pp. 54-67, , (2009) 10.1016/J.COSSMS.2009.06.001

IF CITARE: 4.000

[58.13] Letard, JF; Carbonera, C; Real, JA; Kawata, S; Kaizaki, S, Photomagnetism of a Series of Dinuclear Iron(II) Complexes, CHEM-EUR J, vol. 15(16), pp. 4146-4155, , (2009) 10.1002/CHEM.200802171

IF CITARE: 5.382

[58.14] Pritchard, R; Lazar, H; Barrett, SA; Kilner, CA; Asthana, S; Carbonera, C; Letard, JF; Halcrow, MA, Thermal and light-induced spin-transitions in iron(II) complexes of 2,6-bis(4-halopyrazolyl)pyridines: the influence of polymorphism on a spin-crossover compound, DALTON T, vol. (33), pp. 6656-6666, , (2009) 10.1039/B907094J

IF CITARE: 4.081

[58.15] Letard, JF; Kollmansberger, M; Carbonera, C; Marchivie, M; Guionneau, P, Structural, magnetic and photomagnetic study of the [Fe(PM-NEA)(2)(NCS)(2)] spin crossover complex, CR CHIM, vol. 11(10), pp. 1155-1165, , (2008) 10.1016/J.CRCI.2008.05.009

IF CITARE: 1.529

[58.16] Madhu, NT; Salitros, I; Schramm, F; Klyatskaya, S; Fuhr, O; Ruben, M, Above room temperature spin transition in a series of iron(II) bis(pyrazolyl)pyridine compounds, CR CHIM, vol. 11(10), pp. 1166-1174, , (2008) 10.1016/J.CRCI.2008.06.015

IF CITARE: 1.529

[58.17] Glijer, D; Hebert, J; Trzop, E; Collet, E; Toupet, L; Cailleau, H; Matouzenko, GS; Lazar, HZ; Letard, JF; Koshihara, S; Buron-Le Cointe, M, Photoinduced phenomena and structural analysis associated with the spin-state switching in the [Fe(II)(DPEA)(NCS)(2)] complex, PHYS REV B, vol. 78(13), art.no. 134112, (2008) 10.1103/PHYSREVB.78.134112

IF CITARE: 3.322

[58.18] Mishra, V; Mukherjee, R; Linares, J; Balde, C; Desplanches, C; Letard, JF; Collet, E; Toupet, L; Castro, M; Varret, F, Temperature-dependent interactions and disorder in the spin-transition compound [Fe-II(L)(2)][ClO4](2) center dot C7H8 through structural, calorimetric, magnetic, photomagnetic, and diffuse reflectance investigations, INORG CHEM, vol. 47(17), pp. 7577-7587, , (2008) 10.1021/IC8002977

IF CITARE: 4.147

[58.19] Medlycott, EA; Hanan, GS; Abedin, TSM; Thompson, LK, The effect of steric hindrance on the Fe(II) complexes of triazine-containing ligands, POLYHEDRON, vol. 27(2), pp. 493-501, , (2008) 10.1016/J.POLY.2007.10.002

IF CITARE: 1.801

[58.20] Weber, B; Kaps, E; Weigand, J; Carbonera, C; Letard, JF; Achterhold, K; Parak, FG, Cooperative iron(II) spin crossover complexes with N4O2 coordination sphere, INORG CHEM, vol. 47(2), pp. 487-496, , (2008) 10.1021/IC070067O

IF CITARE: 4.147

[58.21] Halcrow, MA, Trapping and manipulating excited spin states of transition metal compounds, CHEM SOC REV, vol. 37(2), pp. 278-289, , (2008) 10.1039/B701085K

IF CITARE: 17.419

[58.22] Leita, BA; Neville, SM; Halder, GJ; Moubaraki, B; Kepert, CJ; Letard, JF; Murray, KS, Anion-solvent dependence of bistability in a family of meridional N-donor-ligand-containing Iron(II) spin crossover complexes, INORG CHEM, vol. 46(21), pp. 8784-8795, , (2007) 10.1021/IC7010919

IF CITARE: 4.123

[58.23] Mishra, V; Singh, S; Mukherjee, R, Synthesis, structure and properties of a monomeric copper(II) complex with a multidentate pyridylpyrazole ligand, INDIAN J CHEM A, vol. 46(10), pp. 1573-1578, , (2007)

IF CITARE: 0.685

[58.24] Halcrow, MA, The spin-states and spin-transitions of mononuclear iron(II) complexes of nitrogen-donor ligands, POLYHEDRON, vol. 26(14), pp. 3523-3576, , (2007) 10.1016/J.POLY.2007.03.033

IF CITARE: 1.756

[58.25] Mishra, V; Lloret, F; Mukherjee, R, Bis-mu-pyrazolate-bridged dinickel(II) and dicopper(II) complexes: An example of stereoelectronic preference of metal ions and stabilization of mixed-valence (Ni(II)-Ni(III) species, EUR J INORG CHEM, vol. (15), pp. 2161-2170, , (2007) 10.1002/EJIC.200700004

IF CITARE: 2.597

[58.26] Lazar, HZ; Forestier, T; Barrett, SA; Kilner, CA; Letard, JF; Halcrow, MA, Thermal and light-induced spin-crossover in salts of the heptadentate complex [tris(4-{pyrazol-3-yl}-3-aza-3-butenyl)amine]iron(II), DALTON T, vol. (38), pp. 4276-4285, , (2007) 10.1039/B708971F

IF CITARE: 3.212

[58.27] Moubaraki, B; Leita, BA; Halder, GJ; Batten, SR; Jensen, P; Smith, JP; Cashion, JD; Kepert, CJ; Letard, JF; Murray, KS, Structure, magnetism and photomagnetism of mixed-ligand tris(pyrazolyl) methane iron(II) spin crossover compounds, DALTON T, vol. (39), pp. 4413-4426, , (2007) 10.1039/B708773J

IF CITARE: 3.212

[58.28] Mishra, V; Lloret, F; Mukherjee, R, Coordination versatility of 1,3-bis[3-(2-pyridyl)pyrazol-1-yl]propane: Co(II) and Ni(II) complexes, INORG CHIM ACTA, vol. 359(12), pp. 4053-4062, , (2006) 10.1016/J.ICA.2006.05.005

IF CITARE: 1.674

[58.29] Reger, DL; Semeniuc, RF; Smith, MD, Metal complexes of 2,6-bis[(pyrazol-1-yl)methyl]pyridine: The search for aryl-pyrazolyl embrace interactions as a synthon for crystal engineering, CRYST GROWTH DES, vol. 5(3), pp. 1181-1190, , (2005) 10.1021/CG049609S

IF CITARE: 3.551

[58.30] Bonhommeau, S; Brefuel, N; Palfi, VK; Molnar, G; Zwick, A; Salmon, L; Tuchagues, JP; Costa, JS; Letard, JF; Paulsen, H; Bousseksou, A, High-spin to low-spin relaxation kinetics in the [Fe(TRIM)(2)]Cl-2 complex, PHYS CHEM CHEM PHYS, vol. 7(15), pp. 2909-2914, , (2005) 10.1039/B504614A

IF CITARE: 2.519

autori=7 IF=3.454 UAIC I.1(ISI)=33.177 nr.citari=30 UAIC I.12 (Citari)=394.609

[59] Tanasa, R; Enachescu, C; Stancu, A; Linares, J; Varret, F, New statistical method for characterization of structured recording media magnetization processes, J APPL PHYS, vol. 95(11), pp. 6750-6752, (2004) 10.1063/1.1682871

[59.1] Dobrota, CI; Stancu, A, What does a first-order reversal curve diagram really mean? A study case: Array of ferromagnetic nanowires, J APPL PHYS, vol. 113(4), art.no. 043928, (2013) 10.1063/1.4789613

IF CITARE: 2.185

[59.2] Tanasa, R; Stancu, A, Deterministic and non-deterministic switching in chains of magnetic hysterons, J PHYS-CONDENS MAT, vol. 23(42), art.no. 426002, (2011) 10.1088/0953-8984/23/42/426002

IF CITARE: 2.546

[59.3] Cimpoesu, D; Spinu, L; Stancu, A, Transverse susceptibility method in nanoparticulate magnetic media, J NANOSCI NANOTECHNO, vol. 8(6), pp. 2731-2744, , (2008)

IF CITARE: 1.929

[59.4] Crubotaru, F; Stancu, A; Cerchez, M, Influence of statistical interactions on the Delta H method, J OPTOELECTRON ADV M, vol. 9(4), pp. 1172-1175, , (2007)

IF CITARE: 0.827

[59.5] Stancu, A, Identification procedures for Preisach-type models based on FORC diagrams, J OPTOELECTRON ADV M, vol. 8(5), pp. 1656-1659, , (2006)

IF CITARE: 1.106

[59.6] Cimpoesu, D; Stancu, A; Spinu, L, Relaxation effects in interacting nanostructured particulate systems, J APPL PHYS, vol. 99(8), art.no. 08G105, (2006) 10.1063/1.2176332

IF CITARE: 2.316

[59.7] Stancu, A; Stoleriu, L; Postolache, P; Tanasa, R, New Preisach model for structured particulate ferromagnetic media, J MAGN MAGN MATER, vol. 290, pp. 490-493, , (2005) 10.1016/J.JMMM.2004.11.509

IF CITARE: 0.985

autori=5 IF=2.255 UAIC I.1(ISI)=32.060 nr.citari=7 UAIC I.12 (Citari)=61.576

[60] Tanasa, R; Enachescu, C; Stancu, A; Linares, J; Codjovi, E; Varret, F, Physical parameter distribution in spin transition systems derived from FORC data, J OPTOELECTRON ADV M, vol. 6(2), pp. 551-556, (2004)

autori=6 IF=1.003 UAIC I.1(ISI)=14.197 nr.citari=0 UAIC I.12 (Citari)=0.000

[61] Enachescu, C; Tanasa, R; Stancu, A; Codjovi, E; Linares, J; Varret, F, FORC method applied to the thermal hysteresis of spin transition solids: first approach of static and kinetic properties, PHYSICA B, vol. 343(1-4), pp. 15-19, (2004) 10.1016/J.PHYSB.2003.08.050

[61.1] Linares, J; Jureschi, CM; Boulmaali, A; Boukheddaden, K, Matrix and size effects on the appearance of the thermal hysteresis in 2D spin crossover nanoparticles, PHYSICA B, vol. 486, pp. 164-168, , (2016) 10.1016/J.PHYSB.2015.09.048

IF CITARE: 1.386

[61.2] Brooker, S, Spin crossover with thermal hysteresis: practicalities and lessons learnt, CHEM SOC REV, vol. 44(10), pp. 2880-2892, , (2015) 10.1039/C4CS00376D

IF CITARE: 34.090

[61.3] Boca, R, Handbook of Magnetochemical Formulae, ELSEV INSIGHT, vol. , pp. 1-991, , (2012)

IF CITARE: 0.000

[61.4] Weber, B; Bauer, W; Pfaffeneder, T; Dirtu, MM; Naik, AD; Rotaru, A; Garcia, Y, Influence of Hydrogen Bonding on the Hysteresis Width in Iron(II) Spin-Crossover Complexes, EUR J INORG CHEM, vol. (21), pp. 3193-3206, , (2011) 10.1002/EJIC.201100394

IF CITARE: 3.049

[61.5] Dirtu, MM; Neuhausen, C; Naik, AD; Rotaru, A; Spinu, L; Garcia, Y, Insights into the Origin of Cooperative Effects in the Spin Transition of [Fe(NH(2)trz)(3)](NO3)(2): the Role of Supramolecular Interactions Evidenced in the Crystal Structure of [Cu(NH(2)trz)(3)](NO3)(2)center dot H2O, INORG CHEM, vol. 49(12), pp. 5723-5736, , (2010) 10.1021/IC100667F

IF CITARE: 4.326

[61.6] Ianculescu, A; Mitoseriu, L, BA(TI,ZR)O-3 - FUNCTIONAL MATERIALS: FROM NANOPOWDERS TO BULK CERAMICS, ADV NANOTECHNOL, vol. 3, pp. 59-120, , (2010)

IF CITARE: 0.000

[61.7] Ianculescu, A; Mitoseriu, L, Ba(Ti,Zr)O3-Functional Materials: From Nanopowders to Bulk Ceramics, NANOTECHNOL SCI TECH, vol. , pp. 1-99, , (2010)

IF CITARE: 0.000

[61.8] Govor, EV; Lysenko, AB; Rusanov, EB; Chernega, AN; Krautscheid, H; Domasevitch, KV, Anion Tuning of Cu(II)/4,4'-Bi-1,2,4-Triazole Coordination Polymers, Z ANORG ALLG CHEM, vol. 636(1), pp. 209-217, , (2010) 10.1002/ZAAC.200900121

IF CITARE: 1.247

[61.9] Huang, YQ; Zhao, XQ; Shi, W; Liu, WY; Chen, ZL; Cheng, P; Liao, DZ; Yan, SP, Anions-directed metal-mediated assemblies of coordination polymers based on the bis(4,4'-bis-1,2,4-triazole) ligand, CRYST GROWTH DES, vol. 8(10), pp. 3652-3660, , (2008) 10.1021/CG8002564

IF CITARE: 4.215

[61.10] Katzgraber, HG; Herisson, D; Osth, M; Nordblad, P; Ito, A; Katori, HA, Finite versus zero-temperature hysteretic behavior of spin glasses: Experiment and theory, PHYS REV B, vol. 76(9), art.no. 092408, (2007) 10.1103/PHYSREVB.76.092408

IF CITARE: 3.172

[61.11] Stoleriu, L; Stancu, A; Mitoseriu, L; Piazza, D; Galassi, C, Analysis of switching properties of porous ferroelectric ceramics by means of first-order reversal curve diagrams, PHYS REV B, vol. 74(17), art.no. 174107, (2006) 10.1103/PHYSREVB.74.174107

IF CITARE: 3.107

autori=6 IF=0.679 UAIC I.1(ISI)=10.957 nr.citari=11 UAIC I.12 (Citari)=200.307

- [62] Tanasa, R; Enachescu, C; Stancu, A; Linares, J; Varret, F, **Quasi-realistic distribution of interaction fields leading to a variant of Ising spin glass model**, *PHYSICA B*, vol. 343(1-4), pp. 314-319, (2004) 10.1016/J.PHYSB.2003.08.062
- [62.1] Dobrota, CI; Stancu, A, PKP simulation of size effect on interaction field distribution in highly ordered ferromagnetic nanowire arrays, *PHYSICA B*, vol. 407(24), pp. 4676-4685, , (2012) 10.1016/J.PHYSB.2012.08.041
IF CITARE: 1.327
- [62.2] Rotarescu, C; Petrilă, I; Stancu, A, Cluster analysis of an Ising-Preisach interacting particle system, *PHYSICA B*, vol. 406(11), pp. 2177-2181, , (2011) 10.1016/J.PHYSB.2011.03.026
IF CITARE: 1.063
- [62.3] Cimpoesu, D; Spinu, L; Stancu, A, Transverse susceptibility method in nanoparticulate magnetic media, *J NANOSCI NANOTECHNO*, vol. 8(6), pp. 2731-2744, , (2008)
IF CITARE: 1.929
- [62.4] Cimpoesu, D; Stancu, A; Spinu, L, Relaxation effects in interacting nanostructured particulate systems, *J APPL PHYS*, vol. 99(8), art.no. 08G105, (2006) 10.1063/1.2176332
IF CITARE: 2.316
- [62.5] Cimpoesu, D; Spinu, L; Stancu, A, The state dependence of the dynamic interactions in nanostructured particulate systems, *J APPL PHYS*, vol. 97(10), art.no. 10J501, (2005) 10.1063/1.1844933
IF CITARE: 2.498
- [62.6] Stancu, A; Stoleriu, L; Postolache, P; Tanasa, R, New Preisach model for structured particulate ferromagnetic media, *J MAGN MAGN MATER*, vol. 290, pp. 490-493, , (2005) 10.1016/J.JMMM.2004.11.509
IF CITARE: 0.985
- [62.7] Stancu, A; Stoleriu, L; Postolache, P; Cerchez, M, Preisach-type model for strongly interacting ferromagnetic particulate systems, *IEEE T MAGN*, vol. 40(4), pp. 2113-2115, , (2004) 10.1109/TMAG.2004.830399
IF CITARE: 0.837
- [62.8] Spinu, L; Stancu, A; Radu, C; Li, F; Wiley, JB, Method for magnetic characterization of nanowire structures, *IEEE T MAGN*, vol. 40(4), pp. 2116-2118, , (2004) 10.1109/TMAG.2004.829810
IF CITARE: 0.837
- autori=5 IF=0.679 UAIC 1.1(ISI)=13.148 nr.citari=8 UAIC 1.12 (Citari)=63.168
-
- [63] Varret, F; Boukheddaden, K; Codjovi, E; Enachescu, C; Linares, J, **On the competition between relaxation and photoexcitations in spin crossover solids under continuous irradiation**, *TOP CURR CHEM*, vol. 234, pp. 199-+, (2004) 10.1007/B95417
- [63.1] Tumanov, SV; Veber, SL; Tolstikov, SE; Artiukhova, NA; Romanenko, GV; Ovcharenko, VI; Fedin, MV, Light-Induced Spin State Switching and Relaxation in Spin Pairs of Copper(II)-Nitroxide Based Molecular Magnets, *INORG CHEM*, vol. 56(19), pp. 11729-11737, , (2017) 10.1021/ACS.INORGCHEM.7B01689
IF CITARE: 4.857
- [63.2] Morozov, VA, RELAXATION KINETICS OF PHOTOEXCITED STATES IN A CHAIN OF EXCHANGE CLUSTERS IN THE MEAN-FIELD APPROXIMATION, *J STRUCT CHEM+*, vol. 57(8), pp. 1493-1498, , (2016) 10.1134/S0022476616080011
IF CITARE: 0.472
- [63.3] Rat, S; Costa, JS; Bedoui, S; Nicolazzi, W; Molnar, G; Salmon, L; Bousseksou, A, Investigation of nucleation and growth phenomena during the thermal and light induced spin transition in the [Fe(1-bpp)(2)][BF4](2) complex, *PURE APPL CHEM*, vol. 87(3), pp. 261-270, , (2015) 10.1515/PAC-2014-1002
IF CITARE: 2.615
- [63.4] Gudyma, I; Maksymov, A; Dimian, M, Stochastic kinetics of photoinduced phase transitions in spin-crossover solids, *PHYS REV E*, vol. 88(4), art.no. 042111, (2013) 10.1103/PHYSREVE.88.042111
IF CITARE: 2.326
- [63.5] Nicolazzi, W; Pavlik, J; Bedoui, S; Molnar, G; Bousseksou, A, Elastic Ising-like model for the nucleation and domain formation in spin crossover molecular solids, *EUR PHYS J-SPEC TOP*, vol. 222(5), pp. 1137-1159, , (2013) 10.1140/EPJST/E2013-01911-3
IF CITARE: 1.760
- [63.6] Chakraborty, P; Tissot, A; Peterhans, L; Guenee, L; Besnard, C; Pattison, P; Hauser, A, Determination of the molecular structure of the short-lived light-induced high-spin state in the spin-crossover compound [Fe(6-mepy)(3)tren](PF6)(2), *PHYS REV B*, vol. 87(21), art.no. 214306, (2013) 10.1103/PHYSREVB.87.214306
IF CITARE: 3.664
- [63.7] Sang, XL; Zeng, CH; Wang, H, Noise-induced optical bistability and state transitions in spin-crossover solids with delayed feedback, *EUR PHYS J B*, vol. 86(5), art.no. 229, (2013) 10.1140/EPJB/E2013-40179-Y
IF CITARE: 1.463
- [63.8] Gutlich, P, Spin Crossover - Quo Vadis?, *EUR J INORG CHEM*, vol. (5-6), pp. 581-591, , (2013) 10.1002/EJIC.201300092
IF CITARE: 2.965
- [63.9] Pavlik, J; Boca, R, Established Static Models of Spin Crossover, *EUR J INORG CHEM*, vol. (5-6), pp. 697-709, , (2013) 10.1002/EJIC.201201082
IF CITARE: 2.965
- [63.10] Wannarit, N; Roubeau, O; Youngme, S; Gamez, P, Subtlety of the Spin-Crossover Phenomenon Observed with Dipyrldylamino-Substituted Triazine Ligands, *EUR J INORG CHEM*, vol. (5-6), pp. 730-737, , (2013) 10.1002/EJIC.201201085
IF CITARE: 2.965
- [63.11] Apetrei, AM; Boukheddaden, K; Stancu, A, Dynamic phase transitions in the one-dimensional spin-phonon coupling model, *PHYS REV B*, vol. 87(1), art.no. 014302, (2013) 10.1103/PHYSREVB.87.014302
IF CITARE: 3.664
- [63.12] Metatla, A; Latelli, H; Nicolazzi, W; Bousseksou, A, Vibration-driven thermal transition in binuclear spin crossover complexes, *EUR PHYS J B*, vol. 85(6), art.no. 205, (2012) 10.1140/EPJB/E2012-30132-1
IF CITARE: 1.282
- [63.13] Shang, R; Sun, X; Wang, ZM; Gao, S, Zinc-Diluted Magnetic Metal Formate Perovskites: Synthesis, Structures, and Magnetism of [CH3NH3][MnxZn1-x(HCOO)3] (x=0-1), *CHEM-ASIAN J*, vol. 7(7), pp. 1697-1707, , (2012) 10.1002/ASIA.201200139
IF CITARE: 4.572
- [63.14] Bousseksou, A; Molnar, G; Salmon, L; Nicolazzi, W, Molecular spin crossover phenomenon: recent achievements and prospects, *CHEM SOC REV*, vol. 40(6), pp. 3313-3335, , (2011) 10.1039/C1CS15042A
IF CITARE: 28.760
- [63.15] Shih, CH; Sheu, CF; Kato, K; Sugimoto, K; Kim, J; Wang, Y; Takata, M, The photo-induced commensurate modulated structure in site-selective spin crossover complex trans-[Fe(abpt)(2)(NCS)(2)], *DALTON T*, vol. 39(41), pp. 9794-9800, , (2010) 10.1039/C0DT00470G
IF CITARE: 3.647
- [63.16] Nicolazzi, W; Pillet, S; Lecomte, C, Photoinduced phase separation in spin-crossover materials: Numerical simulation of a dynamic photocrystallographic experiment, *PHYS REV B*, vol. 80(13), art.no. 132102, (2009) 10.1103/PHYSREVB.80.132102
IF CITARE: 3.475
- [63.17] Gnezdilov, V; Lemmens, P; Scheib, P; Ghosh, M; Pashkevich, YG; Paulsen, H; Schunemann, V; Wolny, JA; Agusti, G; Real, JA, Spectrum-sensitive phonon wipeout due to a fluctuating spin state in a Fe2+ coordination polymer, *PHYS REV B*, vol. 79(4), art.no. 045122, (2009) 10.1103/PHYSREVB.79.045122

IF CITARE: 3.475

[63.18] Pillet, S; Legrand, V; Weber, HP; Souhassou, M; Letard, JF; Guionneau, P; Lecomte, C, Out-of-equilibrium charge density distribution of spin crossover complexes from steady-state photocrystallographic measurements: experimental methodology and results, *Z KRISTALLOGR*, vol. 223(4-5), pp. 235-249, , (2008) 10.1524/ZKRI.2008.0023

IF CITARE: 0.708

[63.19] Legrand, V; Pillet, S; Weber, HP; Souhassou, M; Letard, JF; Guionneau, P; Lecomte, C, On the precision and accuracy of structural analysis of light-induced metastable states, *J APPL CRYSTALLOGR*, vol. 40, pp. 1076-1088, , (2007) 10.1107/S0021889807040149

IF CITARE: 3.629

[63.20] Costa, JS; Balde, C; Carbonera, C; Denux, D; Wattiaux, A; Desplanches, C; Ader, JP; Gutlich, P; Letard, JF, Photomagnetic properties of an iron(II) low-spin complex with an unusually long-lived metastable LIESST state, *INORG CHEM*, vol. 46(10), pp. 4114-4119, , (2007) 10.1021/IC062418P

IF CITARE: 4.123

[63.21] Varret, F; Boukheddaden, K; Chong, C; Goujon, A; Gillon, B; Jeftic, J; Hauser, A, Light-induced phase separation in the [Fe(ptz)(6)](BF₄)(2) spin-crossover single crystal, *EPL-EUROPHYS LETT*, vol. 77(3), art.no. 30007, (2007) 10.1209/0295-5075/77/30007

IF CITARE: 2.206

[63.22] Winkler, H; Rusanov, V; McGarvey, JJ; Toftlund, H; Trautwein, AX; Wolny, JA, Light-induced spin crossover observed for a Fe(II) complex embedded in a Nafion membrane, *HYPERFINE INTERACT*, vol. 169(1-3), pp. 1389-1392, , (2006) 10.1007/S10751-006-9456-5

IF CITARE: 0.267

[63.23] Ichiyana, K; Hebert, J; Toupet, L; Cailleau, H; Guionneau, P; Letard, JF; Collet, E, Nature and mechanism of the photoinduced spin transition in [Fe(PM-BiA)(2)(NCS)(2)], *PHYS REV B*, vol. 73(6), art.no. 060408, (2006) 10.1103/PHYSREVB.73.060408

IF CITARE: 3.107

[63.24] Varret, F; Boukheddaden, K; Codjovi, E; Maurin, I; Tokoro, H; Ohkoshi, S; Hashimoto, K, Light-induced thermal hysteresis and intensity thresholds in molecular switchable solids, by mean-field macroscopic master equation approach: Discussion of the experimental data obtained for Co-Fe Prussian Blue Analogues, *POLYHEDRON*, vol. 24(16-17), pp. 2857-2863, , (2005) 10.1016/J.POLY.2005.06.013

IF CITARE: 1.957

[63.25] Bousseksou, A; Molnar, G; Matouzenko, G, Switching of molecular spin states in inorganic complexes by temperature, pressure, magnetic field and light: Towards molecular devices, *EUR J INORG CHEM*, vol. (22), pp. 4353-4369, , (2004) 10.1002/EJIC.200400571

IF CITARE: 2.336

autori=5 IF=5.283 UAIC I.1(ISI)=68.396 nr.citari=25 UAIC I.12 (Citari)=423.040

[64] Sava, A; Enachescu, C; Stancu, A; Boukheddaden, K; Codjovi, E; Maurin, I; Varret, F, Comparison between effects of pressure on spin transition compounds and Prussian blue analogues, *J OPTOELECTRON ADV M*, vol. 5(4), pp. 977-983, (2003)

autori=7 IF=0.996 UAIC I.1(ISI)=12.109 nr.citari=0 UAIC I.12 (Citari)=0.000

[65] Linares, J; Enachescu, C; Boukheddaden, K; Varret, F, Monte Carlo entropic sampling applied to spin crossover solids: the squareness of the thermal hysteresis loop, *POLYHEDRON*, vol. 22(14-17), pp. 2453-2456, (2003) 10.1016/S0277-5387(03)00219-5

[65.1] Jureschi, CM; Linares, J; Dahoo, PR; Alayli, Y, Monte Carlo entropic sampling applied to Ising-like model for 2D and 3D systems, *J PHYS CONF SER*, vol. 738, art.no. UNSP 012051, (2016) 10.1088/1742-6596/738/1/012051

IF CITARE: 0.000

[65.2] Chiruta, D; Linares, J; Dahoo, PR; Dimian, M, Analysis of hysteretic spin transition and size effect in 3D spin crossover compounds investigated by Monte Carlo Entropic sampling technique in the framework of the Ising-type model, *J PHYS CONF SER*, vol. 585, art.no. 012004, (2015) 10.1088/1742-6596/585/1/012004

IF CITARE: 0.000

[65.3] Chiruta, D; Linares, J; Miyashita, S; Boukheddaden, K, Role of open boundary conditions on the hysteretic behaviour of one-dimensional spin crossover nanoparticles, *J APPL PHYS*, vol. 115(19), art.no. 194309, (2014) 10.1063/1.4878162

IF CITARE: 2.183

[65.4] Chiruta, D; Linares, J; Garcia, Y; Dimian, M; Dahoo, PR, Analysis of multi-step transitions in spin crossover nanochains, *PHYSICA B*, vol. 434, pp. 134-138, , (2014) 10.1016/J.PHYSB.2013.11.012

IF CITARE: 1.319

[65.5] Chiruta, D; Linares, J; Dimian, M; Alayli, Y; Garcia, Y, Role of Edge Atoms in the Hysteretic Behaviour of 3D Spin Crossover Nanoparticles Revealed by an Ising-Like Model, *EUR J INORG CHEM*, vol. 2013(29), pp. 5086-5093, , (2013) 10.1002/EJIC.201300757

IF CITARE: 2.965

[65.6] Nicolazzi, W; Pavlik, J; Bedoui, S; Molnar, G; Bousseksou, A, Elastic Ising-like model for the nucleation and domain formation in spin crossover molecular solids, *EUR PHYS J-SPEC TOP*, vol. 222(5), pp. 1137-1159, , (2013) 10.1140/EPJST/E2013-01911-3

IF CITARE: 1.760

[65.7] Chiruta, D; Linares, J; Garcia, Y; Dahoo, PR; Dimian, M, Analysis of the Hysteretic Behaviour of 3D Spin Crossover Compounds by Using an Ising-Like Model, *EUR J INORG CHEM*, vol. 2013(21), pp. 3601-3608, , (2013) 10.1002/EJIC.201300412

IF CITARE: 2.965

[65.8] Chiruta, D; Linares, J; Dimian, M; Garcia, Y, Size Effect and Role of Short- and Long-Range Interactions on 1D Spin-Crossover Systems within the Framework of an Ising-Like Model, *EUR J INORG CHEM*, vol. (5-6), pp. 951-957, , (2013) 10.1002/EJIC.201201316

IF CITARE: 2.965

[65.9] Chiruta, D; Linares, J; Dahoo, PR; Dimian, M, Analysis of long-range interaction effects on phase transitions in two-step spin-crossover chains by using Ising-type systems and Monte Carlo entropic sampling technique, *J APPL PHYS*, vol. 112(7), art.no. 074906, (2012) 10.1063/1.4756994

IF CITARE: 2.210

[65.10] Rotaru, A; Varret, F; Gindulescu, A; Linares, J; Stancu, A; Letard, JF; Forestier, T; Etrillard, C, Size effect in spin-crossover systems investigated by FORC measurements, for surfacted [Fe(NH₂-trz)(3)](Br)(2)center dot 3H(2)O nanoparticles: reversible contributions and critical size, *EUR PHYS J B*, vol. 84(3), pp. 439-449, , (2011) 10.1140/EPJB/E2011-10903-X

IF CITARE: 1.534

[65.11] Kawamoto, T; Moritomo, Y; Abe, S, Simulations with an Ising-like model for dynamical phase transitions under strong excitation, *J PHYS SOC JPN*, vol. 73(12), pp. 3471-3478, , (2004) 10.1143/JPSJ.73.3471

IF CITARE: 1.577

autori=4 IF=1.584 UAIC I.1(ISI)=30.010 nr.citari=11 UAIC I.12 (Citari)=124.890

[66] Varret, F; Salunke, SA; Boukheddaden, K; Bousseksou, A; Codjovi, E; Enachescu, C; Linares, J, The Ising-like model applied to switchable inorganic solids: discussion of the static properties, *CR CHIM*, vol. 6(3), pp. 385-393, (2003) 10.1016/S1631-0748(03)00048-1

[66.1] Nesterov, AI; Orlov, YS; Ovchinnikov, SG; Nikolaev, SV, Cooperative phenomena in spin crossover systems, *PHYS REV B*, vol. 96(13), art.no. 134103, (2017) 10.1103/PHYSREVB.96.134103

IF CITARE: 3.836

[66.2] van der Meer, M; Rechkemmer, Y; Breitgoff, FD; Marx, R; Neugebauer, P; Frank, U; van Slageren, J; Sarkar, B, Multiple Bistability in Quinonoid-Bridged Diiron(II) Complexes: Influence of Bridge Symmetry on Bistable Properties, *INORG CHEM*, vol. 55(22), pp. 11944-11953, , (2016) 10.1021/ACS.INORGCHEM.6B02097

IF CITARE: 4.857

- [66.3] Shelest, VV; Khristov, AV; Levchenko, GG, The role of anharmonicity in the systems with spin crossover, *LOW TEMP PHYS+*, vol. 42(6), pp. 505-512, , (2016) 10.1063/1.4954782
IF CITARE: 0.804
- [66.4] van der Meer, M; Rechkemmer, Y; Breitgoff, FD; Dechert, S; Marx, R; Dorfel, M; Neugebauer, P; van Slageren, J; Sarkar, B, Probing bistability in Fe-II and Co-II complexes with an unsymmetrically substituted quinonoid ligand, *DALTON T*, vol. 45(20), pp. 8394-8403, , (2016) 10.1039/C6DT00757K
IF CITARE: 4.029
- [66.5] Ye, HZ; Sun, C; Jiang, H, Monte-Carlo simulations of spin-crossover phenomena based on a vibronic Ising-like model with realistic parameters, *PHYS CHEM CHEM PHYS*, vol. 17(10), pp. 6801-6808, , (2015) 10.1039/C4CP05562D
IF CITARE: 4.449
- [66.6] Jureschi, CM; Rusu, I; Codjovi, E; Linares, J; Garcia, Y; Rotaru, A, Thermo- and piezochromic properties of [Fe(hyptrz)]A(2)center dot H2O spin crossover 1D coordination polymer: Towards spin crossover based temperature and pressure sensors, *PHYSICA B*, vol. 449, pp. 47-51, , (2014) 10.1016/J.PHYSB.2014.04.081
IF CITARE: 1.319
- [66.7] Pavlik, J; Nicolazzi, W; Molnar, G; Boca, R; Bousseksou, A, Coupled magnetic interactions and the Ising-like model for spin crossover in binuclear compounds, *EUR PHYS J B*, vol. 86(6), art.no. 292, (2013) 10.1140/EPJB/E2013-30613-7
IF CITARE: 1.463
- [66.8] Pavlik, J; Boca, R, Established Static Models of Spin Crossover, *EUR J INORG CHEM*, vol. (5-6), pp. 697-709, , (2013) 10.1002/EJIC.201201082
IF CITARE: 2.965
- [66.9] Salitros, I; Fuhr, O; Kruk, R; Pavlik, J; Pogany, L; Schafer, B; Tatarko, M; Boca, R; Linert, W; Ruben, M, Thermal and Photoinduced Spin Crossover in a Mononuclear Iron(II) Complex with a Bis(pyrazolyl)pyridine Type of Ligand, *EUR J INORG CHEM*, vol. (5-6), pp. 1049-1057, , (2013) 10.1002/EJIC.201201123
IF CITARE: 2.965
- [66.10] Eder, F; Kriegisch, M; Linert, W, Mean Field Modelling of FeII Spin Crossover Systems in a Magnetic Field, *MATCH-COMMUN MATH CO*, vol. 66(1), pp. 163-175, , (2011)
IF CITARE: 2.161
- [66.11] Rotaru, A; Varret, F; Codjovi, E; Boukheddaden, K; Linares, J; Stancu, A; Guionneau, P; Letard, JF, Hydrostatic pressure investigation of the spin crossover compound [Fe(PM-BiA)(2)(NCS)(2)] polymorph I using reflectance detection, *J APPL PHYS*, vol. 106(5), art.no. 053515, (2009) 10.1063/1.3202385
IF CITARE: 2.072
- [66.12] Nicolazzi, W; Pillet, S; Lecomte, C, Two-variable anharmonic model for spin-crossover solids: A like-spin domains interpretation, *PHYS REV B*, vol. 78(17), art.no. 174401, (2008) 10.1103/PHYSREVB.78.174401
IF CITARE: 3.322
- [66.13] Tayagaki, T; Galet, A; Molnar, G; Munoz, MC; Zwick, A; Tanaka, K; Real, JA; Bousseksou, A, Metal dilution effects on the spin-crossover properties of the three-dimensional coordination polymer Fe(pyrazine)[Pt(CN)(4)], *J PHYS CHEM B*, vol. 109(31), pp. 14859-14867, , (2005) 10.1021/JP0521611
IF CITARE: 4.033
- [66.14] Bousseksou, A; Molnar, G; Matouzenko, G, Switching of molecular spin states in inorganic complexes by temperature, pressure, magnetic field and light: Towards molecular devices, *EUR J INORG CHEM*, vol. (22), pp. 4353-4369, , (2004) 10.1002/EJIC.200400571
IF CITARE: 2.336
- [66.15] Bousseksou, A; Molnar, G, The spin-crossover phenomenon: towards molecular memories, *CR CHIM*, vol. 6(8-10), pp. 1175-1183, , (2003) 10.1016/J.CRCL.2003.08.011
IF CITARE: 0.518
autori=7 IF=0.518 UAIC I.1(ISI)=8.011 nr.citari=15 UAIC I.12 (Citari)=138.940
-
- [67] Enachescu, C; Linares, J; Codjovi, E; Boukheddaden, K; Varret, F, Non-linear behaviour of the spin transition compounds during photo-excitation and relaxation, *J OPTOELECTRON ADV M*, vol. 5(1), pp. 261-266, (2003)
autori=5 IF=0.996 UAIC I.1(ISI)=16.952 nr.citari=0 UAIC I.12 (Citari)=0.000
-
- [68] Enachescu, C; Oetliker, U; Hauser, A, The quantum efficiency of the photo-excitation in a Fe(II) spin-crossover compound, *J OPTOELECTRON ADV M*, vol. 5(1), pp. 267-272, (2003)
autori=3 IF=0.996 UAIC I.1(ISI)=28.253 nr.citari=0 UAIC I.12 (Citari)=0.000
-
- [69] Varret, F; Bleuzen, A; Boukheddaden, K; Bousseksou, A; Codjovi, E; Enachescu, C; Goujon, A; Linares, J; Menendez, N; Verdaguer, M, Examples of molecular switching in inorganic solids, due to temperature, light, pressure, and magnetic field, *PURE APPL CHEM*, vol. 74(11), pp. 2159-2168, (2002) 10.1351/PAC200274112159
- [69.1] Yao, G; Berry, M; May, PS; Wang, JW; Kilin, DS, Relationship between Site Symmetry, Spin State, and Doping Concentration for Co(II) or Co(III) in beta-NaYF4, *J PHYS CHEM C*, vol. 120(14), pp. 7785-7794, , (2016) 10.1021/ACS.JPCC.5B11496
IF CITARE: 4.536
- [69.2] Kohler, FH; Storcheva, O, Paramagnetic Prussian Blue Analogues CsMII[M-III(CN)(6)]. The Quest for Spin on Cesium Ions by Use of Cs-133 MAS NMR Spectroscopy, *INORG CHEM*, vol. 54(14), pp. 6801-6806, , (2015) 10.1021/ACS.INORGCHEM.5B00711
IF CITARE: 4.820
- [69.3] Krupska, A, High-Pressure EPR Study of Spin Molecular Bistability in Li[Fe(Th-5Cl-Sa)(2)], *ACTA PHYS POL A*, vol. 126(3), pp. 790-794, , (2014)
IF CITARE: 0.530
- [69.4] Geraskina, MR; Buck, AT; Winter, AH, An Organic Spin Crossover Material in Water from a Covalently Linked Radical Dyad, *J ORG CHEM*, vol. 79(16), pp. 7723-7727, , (2014) 10.1021/JO5012812
IF CITARE: 4.721
- [69.5] Mitsumi, M; Nishitani, T; Yamasaki, S; Shimada, N; Komatsu, Y; Toriumi, K; Kitagawa, Y; Okumura, M; Miyazaki, Y; Gorska, N; Inaba, A; Kanda, A; Hanasaki, N, Bistable Multifunctionality and Switchable Strong Ferromagnetic-to-Antiferromagnetic Coupling in a One-Dimensional Rhodium(I)-Semiquinonato Complex, *J AM CHEM SOC*, vol. 136(19), pp. 7026-7037, , (2014) 10.1021/JA5017014
IF CITARE: 12.113
- [69.6] Novio, F; Evangelio, E; Vazquez-Mera, N; Gonzalez-Monje, P; Bellido, E; Mendes, S; Kehagias, N; Ruiz-Molina, D, Robust spin crossover platforms with synchronized spin switch and polymer phase transition, *SCI REP-UK*, vol. 3, art.no. 1708, (2013) 10.1038/SREP01708
IF CITARE: 5.078
- [69.7] Rojas, O; de Souza, SM, Equivalence between non-bilinear spin-S Ising model and Wajnflasz model, *EUR PHYS J B*, vol. 85(5), art.no. 170, (2012) 10.1140/EPJB/E2012-20998-0
IF CITARE: 1.282
- [69.8] Cavallini, M, Status and perspectives in thin films and patterning of spin crossover compounds, *PHYS CHEM CHEM PHYS*, vol. 14(34), pp. 11867-11876, , (2012) 10.1039/C2CP40879A
IF CITARE: 3.829
- [69.9] Tao, J; Wei, RJ; Huang, RB; Zheng, LS, Polymorphism in spin-crossover systems, *CHEM SOC REV*, vol. 41(2), pp. 703-737, , (2012) 10.1039/C1CS15136C

IF CITARE: 24.892

[69.10] Long, J; Chamoreau, LM; Marvaud, V, Supramolecular Heterotrimetallic Assembly Based on Octacyanomolybdate, Manganese, and Copper, EUR J INORG CHEM, vol. (29), pp. 4545-4549, , (2011) 10.1002/EJIC.201100550

IF CITARE: 3.049

[69.11] Bousseksou, A; Molnar, G; Salmon, L; Nicolazzi, W, Molecular spin crossover phenomenon: recent achievements and prospects, CHEM SOC REV, vol. 40(6), pp. 3313-3335, , (2011) 10.1039/C1CS15042A

IF CITARE: 28.760

[69.12] Wang, S; Ferbinteanu, M; Marinescu, C; Dobrinescu, A; Ling, QD; Huang, W, Case Study on a Rare Effect: The Experimental and Theoretical Analysis of a Manganese(III) Spin-Crossover System, INORG CHEM, vol. 49(21), pp. 9839-9851, , (2010) 10.1021/IC100364V

IF CITARE: 4.326

[69.13] Kojima, N; Enomoto, M; Kida, N; Kagesawa, K, Progress of Multi Functional Properties of Organic-Inorganic Hybrid System, A[(FeFeX₃)-Fe-II-X-III] (A = (n-C_nH_{2n+1})(4)N, Spiropyran; X = C₂O₂S₂, C₂O₃S, C₂O₃S), MATERIALS, vol. 3(5), pp. 3141-3187, , (2010) 10.3390/MA3053141

IF CITARE: 1.677

[69.14] Kaupp, M; Kohler, FH, Combining NMR spectroscopy and quantum chemistry as tools to quantify spin density distributions in molecular magnetic compounds, COORDIN CHEM REV, vol. 253(19-20), pp. 2376-2386, , (2009) 10.1016/J.CCR.2008.12.020

IF CITARE: 11.225

[69.15] Bleuzen, A; Marvaud, V; Mathoniere, C; Sieklucka, B; Verdaguer, M, Photomagnetism in Clusters and Extended Molecule-Based Magnets, INORG CHEM, vol. 48(8), pp. 3453-3466, , (2009) 10.1021/IC802007G

IF CITARE: 4.657

[69.16] Kida, N; Hikita, M; Kashima, I; Okubo, M; Itoi, M; Enomoto, M; Kato, K; Takata, M; Kojima, N, Control of Charge Transfer Phase Transition and Ferromagnetism by Photoisomerization of Spiropyran for an Organic-Inorganic Hybrid System, (SP)[(FeFeII)-Fe-II(dto)(3)] (SP = spiropyran, dto = C₂O₂S₂), J AM CHEM SOC, vol. 131(1), pp. 212-220, , (2009) 10.1021/JA806879A

IF CITARE: 8.580

[69.17] Sheu, CF; Chen, K; Chen, SM; Wen, YS; Lee, GH; Chen, JM; Lee, JF; Cheng, BM; Sheu, HS; Yasuda, N; Ozawa, Y; Toriumi, K; Wang, Y, Structure and Electronic Configuration of an Iron(II) Complex in a LIESST State: A Pump and Probe Method, CHEM-EUR J, vol. 15(10), pp. 2384-2393, , (2009) 10.1002/CHEM.200802279

IF CITARE: 5.382

[69.18] Chernyshov, D; Vangdal, B; Tornroos, KW; Burgi, HB, Chemical disorder and spin crossover in a mixed ethanol-2-propanol solvate of Fe-II tris(2-picolylamine) dichloride, NEW J CHEM, vol. 33(6), pp. 1277-1282, , (2009) 10.1039/B823514G

IF CITARE: 3.006

[69.19] Sheu, CF; Pillet, S; Lin, YC; Chen, SM; Hsu, IJ; Lecomte, C; Wang, Y, Magnetostructural Relationship in the Spin-Crossover Complex t-[Fe(abpt)(2)[N(CN)(2)](2)]: Polymorphism and Disorder Phenomenon, INORG CHEM, vol. 47(23), pp. 10866-10874, , (2008) 10.1021/IC800879C

IF CITARE: 4.147

[69.20] Delaire, J; Desvergne, JP, From photochromic glasses to molecular machines: the photoswitching, ACTUAL CHIMIQUE, vol. (317), pp. 31-37, , (2008)

IF CITARE: 0.152

[69.21] Kojima, N; Okubo, M; Shimizu, H; Enomoto, M, Control of magnetism by isomerization of intercalated molecules in organic-inorganic hybrid systems, COORDIN CHEM REV, vol. 251(21-24), pp. 2665-2673, , (2007) 10.1016/J.CCR.2007.08.025

IF CITARE: 8.568

[69.22] Tanasa, R; Stancu, A; Letard, JF; Codjovi, E; Linares, J; Varret, F, Piezo- and thermo-switch investigation of the spin-crossover compound [Fe(PM-BiA)(2)(NCS)(2)], CHEM PHYS LETT, vol. 443(4-6), pp. 435-438, , (2007) 10.1016/J.CPLETT.2007.06.100

IF CITARE: 2.207

[69.23] Chernyshov, D; Klinduhov, N; Tornroos, KW; Hostettler, M; Vangdal, B; Burgi, HB, Coupling between spin conversion and solvent disorder in spin crossover solids, PHYS REV B, vol. 76(1), art.no. 014406, (2007) 10.1103/PHYSREVB.76.014406

IF CITARE: 3.172

[69.24] Varret, F; Boukheddaden, K; Chong, C; Goujon, A; Gillon, B; Jeltic, J; Hauser, A, Light-induced phase separation in the [Fe(ptz)(6)](BF₄)(2) spin-crossover single crystal, EPL-EUROPHYS LETT, vol. 77(3), art.no. 30007, (2007) 10.1209/0295-5075/77/30007

IF CITARE: 2.206

[69.25] Shimizu, H; Okubo, M; Nakamoto, A; Enomoto, M; Kojima, N, Enhancement of the Curie temperature by isomerization of diarylethene (DAE) for an organic-inorganic hybrid system: Co-4(OH)(7)(DAE)(0.5)center dot 3H(2)O, INORG CHEM, vol. 45(25), pp. 10240-10247, , (2006) 10.1021/IC061498U

IF CITARE: 3.911

[69.26] Varret, F; Boukheddaden, K; Codjovi, E; Maurin, I; Tokoro, H; Ohkoshi, S; Hashimoto, K, Light-induced thermal hysteresis and intensity thresholds in molecular switchable solids, by mean-field macroscopic master equation approach: Discussion of the experimental data obtained for Co-Fe Prussian Blue Analogues, POLYHEDRON, vol. 24(16-17), pp. 2857-2863, , (2005) 10.1016/J.POLY.2005.06.013

IF CITARE: 1.957

[69.27] Verdaguer, M; Girolami, GS, Magnetic Prussian Blue Analogs, , vol. , pp. 283-346, , (2005)

IF CITARE: 0.000

[69.28] Sato, O, Photoinduced magnetization in molecular compounds, J PHOTOCH PHOTOBIO C, vol. 5(3), pp. 203-223, , (2004) 10.1016/J.PHOTOCHEMREV.2004.10.001

IF CITARE: 8.167

[69.29] Bousseksou, A; Molnar, G; Matouzenko, G, Switching of molecular spin states in inorganic complexes by temperature, pressure, magnetic field and light: Towards molecular devices, EUR J INORG CHEM, vol. (22), pp. 4353-4369, , (2004) 10.1002/EJIC.200400571

IF CITARE: 2.336

[69.30] Molnar, G; Kitazawa, T; Dubrovinsky, L; McGarvey, JJ; Bousseksou, A, Pressure tuning Raman spectroscopy of the spin crossover coordination polymer Fe(C₅H₅N)(2)[Ni(CN)(4)], J PHYS-CONDENS MAT, vol. 16(14), pp. S1129-S1136, art.no. PII S0953-8984(04)74856-0, (2004) 10.1088/0953-8984/16/14/022

IF CITARE: 2.049

[69.31] Bousseksou, A; Molnar, G, The spin-crossover phenomenon: towards molecular memories, CR CHIM, vol. 6(8-10), pp. 1175-1183, , (2003) 10.1016/J.CRCI.2003.08.011

IF CITARE: 0.518

autori=10 IF=1.750 UAIC I.1 (ISI)=13.000 nr.citari=31 UAIC I.12 (Citari)=374.706

[70] Enachescu, C; Oetliker, U; Hauser, A, Photoexcitation in the spin-crossover compound [Fe(pic)(3)]Cl-2 center dot EtOH (pic=2-picolylamine), J PHYS CHEM B, vol. 106(37), pp. 9540-9545, (2002) 10.1021/JP020765O

[70.1] Balde, C; Desplanches, C; Le Gac, F; Guionneau, P; Letarda, JF, The role of iron(II) dilution in the magnetic and photomagnetic properties of the series [FexZn1-x(bpp)(2)](NCS)(2), DALTON T, vol. 43(21), pp. 7820-7829, , (2014) 10.1039/C3DT52964A

IF CITARE: 4.197

[70.2] Ito, M; Kamioka, H; Moritomo, Y, Lattice-Mediated Propagation of Photoinduced Phase Transition in Co-Fe Cyanide, J PHYS SOC JPN, vol. 80(6), art.no. 065002, (2011) 10.1143/JPSJ.80.065002

IF CITARE: 2.364

- [70.3] Ito, M; Kamioka, H; Moritomo, Y, Crystallization Process of Photoexcited High-Spin Sites in Co-Fe Cyanide Film, J PHYS SOC JPN, vol. 80(2), art.no. 023703, (2011) 10.1143/JPSJ.80.023703
IF CITARE: 2.364
- [70.4] Bousseksou, A; Molnar, G; Salmon, L; Nicolazzi, W, Molecular spin crossover phenomenon: recent achievements and prospects, CHEM SOC REV, vol. 40(6), pp. 3313-3335, (2011) 10.1039/C1CS15042A
IF CITARE: 28.760
- [70.5] Ando, H; Nakao, Y; Sato, H; Sakaki, S, Comparison of electronic structures and light-induced excited spin state trapping between [Fe(2-picolylamine)(3)](2+) and its iron(III) analogue, DALTON T, vol. 39(7), pp. 1836-1845, (2010) 10.1039/B913927C
IF CITARE: 3.647
- [70.6] Xia, HL; Ardo, S; Sarjeant, AAN; Huang, SX; Meyer, GJ, Photodriven Spin Change of Fe(II) Benzimidazole Compounds Anchored to Nanocrystalline TiO₂ Thin Films, LANGMUIR, vol. 25(23), pp. 13641-13652, (2009) 10.1021/LA9022213
IF CITARE: 3.898
- [70.7] Nicolazzi, W; Pillet, S; Lecomte, C, Photoinduced phase separation in spin-crossover materials: Numerical simulation of a dynamic photocrystallographic experiment, PHYS REV B, vol. 80(13), art.no. 132102, (2009) 10.1103/PHYSREVB.80.132102
IF CITARE: 3.475
- [70.8] Miyashita, S; Rikvold, PA; Mori, T; Konishi, Y; Nishino, M; Tokoro, H, Threshold phenomena under photoexcitation of spin-crossover materials with cooperativity due to elastic interactions, PHYS REV B, vol. 80(6), art.no. 064414, (2009) 10.1103/PHYSREVB.80.064414
IF CITARE: 3.475
- [70.9] Lebedev, G; Pillet, S; Balde, C; Guionneau, P; Desplanches, C; Letard, JF, Kinetics of Photo-Induced Phase Transition and Relaxation in the Spin-Crossover Complexes [FeZn1-x(phen)(2)(NCS)(2)], Influence of Metal Dilution, IOP CONF SER-MAT SCI, vol. 5, art.no. UNSP 012025, (2009) 10.1088/1757-899X/5/1/012025
IF CITARE: 0.000
- [70.10] Miyashita, S; Nishino, M; Konishi, Y; Tokoro, H; Boukheddaden, K; Varret, F; Rikvold, PA, New type of ordering process with volume change of molecules in the spin-crossover transition, and its new aspects of dynamical processes, J PHYS CONF SER, vol. 148, art.no. 012027, (2009) 10.1088/1742-6596/148/1/012027
IF CITARE: 0.000
- [70.11] Chernyshov, D; Vangdal, B; Tornroos, KW; Burgi, HB, Chemical disorder and spin crossover in a mixed ethanol-2-propanol solvate of Fe-II tris(2-picolylamine) dichloride, NEW J CHEM, vol. 33(6), pp. 1277-1282, (2009) 10.1039/B823514G
IF CITARE: 3.006
- [70.12] Goujon, A; Varret, F; Boukheddaden, K; Chong, C; Jetic, J; Garcia, Y; Naik, AD; Ameline, JC; Collet, E, An optical microscope study of photo-switching and relaxation in single crystals of the spin transition solid [Fe(ptz)(6)](BF₄)(2), with image processing, INORG CHIM ACTA, vol. 361(14-15), pp. 4055-4064, (2008) 10.1016/J.ICA.2008.03.094
IF CITARE: 1.940
- [70.13] Yonemitsu, K; Nasu, K, Theory of photoinduced phase transitions in itinerant electron systems, PHYS REP, vol. 465(1), pp. 1-60, (2008) 10.1016/J.PHYSREP.2008.04.008
IF CITARE: 18.522
- [70.14] Varret, F; Boukheddaden, K; Goujon, A; Gillon, B; McIntyre, GJ, Light-induced phase separation (LIPS) into like-spin phases observed by Laue neutron diffraction on a single crystal of [Fe(ptz)(6)](BF₄)(2), Z KRISTALLOGR, vol. 223(4-5), pp. 250-258, (2008) 10.1524/ZKRI.2008.0024
IF CITARE: 0.708
- [70.15] Collet, E; Cointe, MBL; Lorenc, M; Cailleau, H, State of the art and opportunities in probing photoinduced phase transitions in molecular materials by conventional and picosecond X-ray diffraction, Z KRISTALLOGR, vol. 223(4-5), pp. 272-282, (2008) 10.1524/ZKRI.2008.0027
IF CITARE: 0.708
- [70.16] Halcrow, MA, The spin-states and spin-transitions of mononuclear iron(II) complexes of nitrogen-donor ligands, POLYHEDRON, vol. 26(14), pp. 3523-3576, (2007) 10.1016/J.POLY.2007.03.033
IF CITARE: 1.756
- [70.17] Goujon, A; Gillon, B; Debede, A; Cousson, A; Gukasov, A; Jetic, J; McIntyre, GJ; Varret, F, Neutron Laue diffraction on the spin crossover crystal [Fe(1-n-propyltetrazole)(6)](BF₄)(2) showing continuous photoinduced transformation, PHYS REV B, vol. 73(10), art.no. 104413, (2006) 10.1103/PHYSREVB.73.104413
IF CITARE: 3.107
- [70.18] Collet, E; Buron-Le Cointe, M; Cailleau, H, X-ray diffraction investigation of the nature and the mechanism of photoinduced phase transition in molecular materials, J PHYS SOC JPN, vol. 75(1), art.no. 011002, (2006) 10.1143/JPSJ.75.011002
IF CITARE: 1.926
- [70.19] Koshihara, S; Adach, S, Photo-induced phase transition in an electron-lattice correlated system - Future role of a time-resolved X-ray measurement for materials science, J PHYS SOC JPN, vol. 75(1), art.no. 011005, (2006) 10.1143/JPSJ.75.011005
IF CITARE: 1.926
- [70.20] Nishino, M; Boukheddaden, K; Miyashita, S; Varret, F, Dynamical properties of photoinduced magnetism and spin-crossover phenomena in Prussian Blue Analogs - photoinduced thermal hysteresis of magnetization-, SOL ST PHEN, vol. 112, pp. 73-80, (2006)
IF CITARE: 0.000
- [70.21] Moritomo, Y; Kamiya, M; Nakamura, A; Nakamoto, A; Kojima, N, Cooperative formation of high-spin species in a photoexcited spin-crossover complex, PHYS REV B, vol. 73(1), art.no. 012103, (2006) 10.1103/PHYSREVB.73.012103
IF CITARE: 3.107
- [70.22] Kawamoto, T; Abe, S, Fixed spin effect on a phase switching of an Ising model under constant excitation: Study for impurity effect on photoinduced spin-state switching in transition metal complexes, POLYHEDRON, vol. 24(16-17), pp. 2676-2679, (2005) 10.1016/J.POLY.2005.08.004
IF CITARE: 1.957
- [70.23] Varret, F; Boukheddaden, K; Codjovi, E; Maurin, I; Tokoro, H; Ohkoshi, S; Hashimoto, K, Light-induced thermal hysteresis and intensity thresholds in molecular switchable solids, by mean-field macroscopic master equation approach: Discussion of the experimental data obtained for Co-Fe Prussian Blue Analogues, POLYHEDRON, vol. 24(16-17), pp. 2857-2863, (2005) 10.1016/J.POLY.2005.06.013
IF CITARE: 1.957
- [70.24] Okamura, H; Matsubara, M; Nanba, T; Tayagaki, T; Mouri, S; Tanaka, K; Ikemoto, Y; Moriwaki, T; Kimura, H; Juhasz, G, Photoinduced spin crossover in a Fe-picolylamine complex: A far-infrared study on single crystals, PHYS REV B, vol. 72(7), art.no. 073108, (2005) 10.1103/PHYSREVB.72.073108
IF CITARE: 3.185
- [70.25] Liu, HW; Fujishima, A; Sato, O, Photoinduced phase transition in an iron(II) spin-crossover complex with a N₃O₂ macrocyclic ligand, APPL PHYS LETT, vol. 86(12), art.no. 122511, (2005) 10.1063/1.1890478
IF CITARE: 4.127
- [70.26] Moussa, NO; Molnar, G; Ducros, X; Zwick, A; Tayagaki, T; Tanaka, K; Bousseksou, A, Decoupling of the molecular spin-state and the crystallographic phase in the spin-crossover complex [Fe(ptz)(6)](BF₄)(2) studied by Raman spectroscopy, CHEM PHYS LETT, vol. 402(4-6), pp. 503-509, (2005) 10.1016/J.CPLETT.2004.12.078
IF CITARE: 2.438
- [70.27] Varret, F; Boukheddaden, K; Codjovi, E; Goujon, A, Molecular Switchable Solids: towards photo-controlled magnetism, HYPERFINE INTERACT, vol. 165(1-4), pp. 37-47, (2005) 10.1007/S10751-006-9244-2
IF CITARE: 0.254

- [70.28] Koshihara, SY, Photo-induced phase transition: From where it comes and to where it goes?, J PHYS CONF SER, vol. 21, pp. 7-14, , (2005) 10.1088/1742-6596/21/1/002
IF CITARE: 0.000
- [70.29] Nishino, M; Boukheddaden, K; Miyashita, S; Varret, F, Dynamical properties of photoinduced magnetism and spin-crossover phenomena in Prussian blue analogs, J PHYS CONF SER, vol. 21, pp. 61-66, , (2005) 10.1088/1742-6596/21/2/010
IF CITARE: 0.000
- [70.30] Guerin, L; Huby, N; Collet, E; Toupet, L; Cailleau, H; Tanaka, K, Structural investigation of the photoinduced spin transition in the three states molecular system [Fe(2-pic)(3)]Cl-2 EtOH., J PHYS CONF SER, vol. 21, pp. 136-+, , (2005) 10.1088/1742-6596/21/1/022
IF CITARE: 0.000
- [70.31] Yonemitsu, K, Phase transition in a one-dimensional extended Peierls-Hubbard model with a pulse of oscillating electric field: I. Threshold behavior in ionic-to-neutral transition, J PHYS SOC JPN, vol. 73(10), pp. 2868-2878, , (2004) 10.1143/JPSJ.73.2868
IF CITARE: 1.577
- [70.32] Luty, T; Yonemitsu, K, On thermo- and photo-induced symmetry-broken transformation in spin-crossover complex: Cooperative activation, J PHYS SOC JPN, vol. 73(5), pp. 1237-1243, , (2004) 10.1143/JPSJ.73.1237
IF CITARE: 1.577
- [70.33] Gutlich, P; van Koningsbruggen, PJ; Renz, F, Recent advances of spin crossover research, STRUCT BOND, vol. 107, pp. 27-75, , (2004) 10.1007/B96897
IF CITARE: 2.800
- [70.34] Huby, N; Guerin, L; Collet, E; Toupet, L; Ameline, JC; Cailleau, H; Roisnel, T; Tayagaki, T; Tanaka, K, Photoinduced spin transition probed by x-ray diffraction, PHYS REV B, vol. 69(2), art.no. 020101, (2004) 10.1103/PHYSREVB.69.020101
IF CITARE: 3.075
- [70.35] Hauser, A, Light-induced spin crossover and the high-spin -> low-spin relaxation, TOP CURR CHEM, vol. 234, pp. 155-198, , (2004) 10.1007/B95416
IF CITARE: 5.283
- [70.36] Brady, C; McGarvey, JJ; McCusker, JK; Toftlund, H; Hendrickson, DN, Time-resolved relaxation studies of spin crossover systems in solution, TOP CURR CHEM, vol. 235, pp. 1-22, , (2004) 10.1007/B95420
IF CITARE: 5.283
- [70.37] Letard, JF; Guionneau, P; Goux-Capes, L, Towards spin crossover applications, TOP CURR CHEM, vol. 235, pp. 221-249, , (2004) 10.1007/B95429
IF CITARE: 5.283
- [70.38] Yonemitsu, K; Miyashita, N, Coherence recovery and photoinduced phase transitions in one-dimensional halogen-bridged binuclear platinum complexes, PHYS REV B, vol. 68(7), art.no. 075113, (2003) 10.1103/PHYSREVB.68.075113
IF CITARE: 2.962
autori=3 IF=3.611 UAIC I.1(ISI)=80.553 nr.citari=38 UAIC I.12 (Citari)=997.627
-
- [71] **Enachescu, C; Machado, HC; Menendez, N; Codjovi, E; Linares, J; Varret, F; Stancu, A, Static and light induced hysteresis in spin-crossover compounds: experimental data and application of Preisach-type models, PHYSICA B, vol. 306(1-4), pp. 155-160, (2001) 10.1016/S0921-4526(01)00996-6**
- [71.1] Ohtani, R; Egawa, S; Nakaya, M; Ohmagari, H; Nakamura, M; Lindoy, LF; Hayami, S, Metal Dilution Effects on the Reverse Spin Transition in Mixed Crystals of Type [Co1-xZnx(C-16-terpy)(2)](BF4)(2) (x=0.1-0.7), INORG CHEM, vol. 55(7), pp. 3332-3337, , (2016) 10.1021/ACS.INORGCHEM.5B02582
IF CITARE: 4.857
- [71.2] Gudyma, IV; Maksymov, AI, Light-induced hysteresis in spin crossover compounds under noise, PROC SPIE, vol. 9066, art.no. 906613, (2013) 10.1117/12.2048391
IF CITARE: 0.000
- [71.3] Gudyma, IV; Maksymov, AI, Theoretical analysis of photoinduced first order phase transition in spin-crossover complexes under noise action, PROC SPIE, vol. 8338, art.no. 83380T, (2011) 10.1117/12.917711
IF CITARE: 0.000
- [71.4] Gutlich, P; Gaspar, AB; Garcia, Y; Ksenofontov, V, Pressure effect studies in molecular magnetism, CR CHIM, vol. 10(1-2), pp. 21-36, , (2007) 10.1016/J.CRCL.2006.09.001
IF CITARE: 1.305
- [71.5] Gutlich, P; Gaspar, AB; Ksenofontov, V; Garcia, Y, Pressure effect studies in molecular magnetism, J PHYS-CONDENS MAT, vol. 16(14), pp. S1087-S1108, art.no. PII S0953-8984(04)74877-8, (2004) 10.1088/0953-8984/16/14/019
IF CITARE: 2.049
- [71.6] Molnar, G; Niel, V; Real, JA; Dubrovinsky, L; Bousseksou, A; McGarvey, JJ, Raman spectroscopic study of pressure effects on the spin-crossover coordination polymers Fe(pyrazine)[M(CN)(4)]center dot 2H(2)O (M = Ni, Pd, Pt). First observation of a piezo-hysteresis loop at room temperature, J PHYS CHEM B, vol. 107(14), pp. 3149-3155, , (2003) 10.1021/JP027550Z
IF CITARE: 3.679
- [71.7] Molnar, G; Bousseksou, A; Zwick, A; McGarvey, JJ, The spin-crossover phenomenon in the solid state: Do domains play a role? A micro-Raman study, CHEM PHYS LETT, vol. 367(5-6), pp. 593-598, art.no. PII S0009-2614(02)01804-3, (2003) 10.1016/S0009-2614(02)01804-3
IF CITARE: 2.438
- [71.8] Stancu, A, Experimental and theoretical studies of interactions in particulate recording media, J OPTOELECTRON ADV M, vol. 4(2), pp. 217-222, , (2002)
IF CITARE: 0.446
autori=7 IF=0.663 UAIC I.1(ISI)=9.254 nr.citari=8 UAIC I.12 (Citari)=53.640
-
- [72] **Enachescu, C; Constant-Machado, H; Codjovi, E; Linares, J; Boukheddaden, K; Varret, F, Direct access to the photo-excitation and relaxation terms in photo-switchable solids: non-linear aspects, J PHYS CHEM SOLIDS, vol. 62(8), pp. 1409-1422, (2001) 10.1016/S0022-3697(01)00056-7**
- [72.1] Jureschi, CM; Pottier, BL; Linares, J; Dahoo, PR; Alayli, Y; Rotaru, A, Simulation of multi-steps thermal transition in 2D spin-crossover nanoparticles, PHYSICA B, vol. 486, pp. 160-163, , (2016) 10.1016/J.PHYSB.2015.09.037
IF CITARE: 1.386
- [72.2] Linares, J; Jureschi, CM; Boulmaali, A; Boukheddaden, K, Matrix and size effects on the appearance of the thermal hysteresis in 2D spin crossover nanoparticles, PHYSICA B, vol. 486, pp. 164-168, , (2016) 10.1016/J.PHYSB.2015.09.048
IF CITARE: 1.386
- [72.3] Chiruta, D; Jureschi, CM; Linares, J; Nasser, J; Rotaru, A, Analysis of spin crossover nanochains using parabolic approximation in the framework of atom-phonon coupling model, PHYSICA B, vol. 476, pp. 61-70, , (2015) 10.1016/J.PHYSB.2015.06.024
IF CITARE: 1.352
- [72.4] Davesne, V; Gruber, M; Miyamachi, T; Da Costa, V; Boukari, S; Scheurer, F; Joly, L; Ohresser, P; Otero, E; Choueikani, F; Gaspar, AB; Real, JA; Wulfhekel, W; Bowen, M; Beaupaire, E, First glimpse of the soft x-ray induced excited spin-state trapping effect dynamics on spin cross-over molecules, J CHEM PHYS, vol. 139(7), art.no. 074708, (2013) 10.1063/1.4818603
IF CITARE: 3.122
- [72.5] Gudyma, IV; Maksymov, AI, Light-induced hysteresis in spin crossover compounds under noise, PROC SPIE, vol. 9066, art.no. 906613, (2013) 10.1117/12.2048391

IF CITARE: 0.000

[72.6] Le Bris, R; Cafun, JD; Mathoniere, C; Bleuzen, A; Letard, JF, Optical and magnetic properties of the photo-induced state in the coordination network $\text{Na}_2\text{Co}_4[\text{Fe}(\text{CN})(6)](3.3)\text{center dot } 14\text{H}(2)\text{O}$, NEW J CHEM, vol. 33(6), pp. 1255-1261, , (2009) 10.1039/B902833A

IF CITARE: 3.006

[72.7] Pillet, S; Legrand, V; Weber, HP; Souhassou, M; Letard, JF; Guionneau, P; Lecomte, C, Out-of-equilibrium charge density distribution of spin crossover complexes from steady-state photocrystallographic measurements: experimental methodology and results, Z KRISTALLOGR, vol. 223(4-5), pp. 235-249, , (2008) 10.1524/ZKRI.2008.0023

IF CITARE: 0.708

[72.8] Varret, F; Boukheddaden, K; Goujon, A; Gillon, B; McIntyre, GJ, Light-induced phase separation (LIPS) into like-spin phases observed by Laue neutron diffraction on a single crystal of $[\text{Fe}(\text{ptz})(6)](\text{BF}_4)(2)$, Z KRISTALLOGR, vol. 223(4-5), pp. 250-258, , (2008) 10.1524/ZKRI.2008.0024

IF CITARE: 0.708

[72.9] Legrand, V; Pillet, S; Carbonera, C; Souhassou, M; Letard, JF; Guionneau, P; Lecomte, C, Optical, magnetic and structural properties of the spin-crossover complex $[\text{Fe}(\text{btr})(2)(\text{NCS})(2)]\text{center dot } \text{H}_2\text{O}$ in the light-induced and thermally quenched metastable states, EUR J INORG CHEM, vol. (36), pp. 5693-5706, , (2007) 10.1002/EJIC.200700872

IF CITARE: 2.597

[72.10] Legrand, V; Pillet, S; Weber, HP; Souhassou, M; Letard, JF; Guionneau, P; Lecomte, C, On the precision and accuracy of structural analysis of light-induced metastable states, J APPL CRYSTALLOGR, vol. 40, pp. 1076-1088, , (2007) 10.1107/S0021889807040149

IF CITARE: 3.629

[72.11] Rotaru, A; Linares, J, Relaxation and Light Induced Thermal Hysteresis (LITH) behaviours in the atom-phonon coupling model for spin crossover compounds, J OPTOELECTRON ADV M, vol. 9(9), pp. 2724-2730, , (2007)

IF CITARE: 0.827

[72.12] Varret, F; Boukheddaden, K; Chong, C; Goujon, A; Gillon, B; Jetic, J; Hauser, A, Light-induced phase separation in the $[\text{Fe}(\text{ptz})(6)](\text{BF}_4)(2)$ spin-crossover single crystal, EPL-EUROPHYS LETT, vol. 77(3), art.no. 30007, (2007) 10.1209/0295-5075/77/30007

IF CITARE: 2.206

[72.13] Pillet, S; Legrand, V; Souhassou, M; Lecomte, C, Kinetics of light-induced first-order phase transformation in molecular solids: $\text{Fe}(\text{btr})(2)(\text{NCS})(2)\text{center dot } \text{H}_2\text{O}$, PHYS REV B, vol. 74(14), art.no. 140101, (2006) 10.1103/PHYSREVB.74.140101

IF CITARE: 3.107

[72.14] Goujon, A; Gillon, B; Gukasov, A; Jetic, J; Codjovi, E; Varret, F, Photomagnetism of molecular solids studied by polarized neutron diffraction: a microscopic approach of the photo-induced magnetism, ACTUAL CHIMIQUE, vol. , pp. 9-17, , (2005)

IF CITARE: 0.132

[72.15] Varret, F; Boukheddaden, K; Codjovi, E; Maurin, I; Tokoro, H; Ohkoshi, S; Hashimoto, K, Light-induced thermal hysteresis and intensity thresholds in molecular switchable solids, by mean-field macroscopic master equation approach: Discussion of the experimental data obtained for Co-Fe Prussian Blue Analogues, POLYHEDRON, vol. 24(16-17), pp. 2857-2863, , (2005) 10.1016/J.POLY.2005.06.013

IF CITARE: 1.957

[72.16] Yamada, M; Fukumoto, E; Ooidemizu, M; Brefuel, N; Matsumoto, N; Iijima, S; Kojima, M; Re, N; Dahan, F; Tuchagues, JP, A 2D layered spin crossover complex constructed by NH center dot center dot center dot Cl- hydrogen bonds: $[(\text{FeH}_3\text{LMe})\text{-H-II}]\text{Cl center dot l}(3)$ ($\text{H}_3\text{LMe} = \text{tris}[2-((2\text{-methylimidazol-4-yl)methylidene)amino}]\text{ethyl}]\text{amine}$), INORG CHEM, vol. 44(20), pp. 6967-6974, , (2005) 10.1021/IC050008F

IF CITARE: 3.851

[72.17] Ikeda, K; Liu, WT; Shen, YR; Uekusa, H; Ohashi, Y; Koshihara, S, Photo-induced chirality switching in a cobaloxime complex crystal, J CHEM PHYS, vol. 122(14), art.no. 141103, (2005) 10.1063/1.1893605

IF CITARE: 3.138

[72.18] Varret, F; Boukheddaden, K; Codjovi, E; Goujon, A, Molecular Switchable Solids: towards photo-controlled magnetism, HYPERFINE INTERACT, vol. 165(1-4), pp. 37-47, , (2005) 10.1007/S10751-006-9244-2

IF CITARE: 0.254

[72.19] Gudyma, Y; Semenko, O, Nonequilibrium kinetics in spin-crossover compounds, PHYS STATUS SOLIDI B, vol. 241(2), pp. 370-376, , (2004) 10.1002/PSSB.200301921

IF CITARE: 0.982

[72.20] Hauser, A, Light-induced spin crossover and the high-spin -> low-spin relaxation, TOP CURR CHEM, vol. 234, pp. 155-198, , (2004) 10.1007/B95416

IF CITARE: 5.283

[72.21] Yamada, M; Ooidemizu, M; Ikuta, Y; Osa, S; Matsumoto, N; Iijima, S; Kojima, M; Dahan, F; Tuchagues, JP, Interlayer interaction of two-dimensional layered spin crossover complexes $[(\text{FeH}_3)\text{-H-II L-Me}] [(\text{FeLMe})\text{-L-II}]\text{X}$ ($\text{X} = \text{ClO}_4\text{-}, \text{BF}_4\text{-}, \text{PF}_6\text{-}, \text{AsF}_6\text{-}, \text{and SbF}_6\text{-}; \text{H}_3\text{LMe} = \text{tris}[2-((2\text{-methylimidazol-4-yl)methylidene)amino}]\text{ethyl}]\text{amine}$), INORG CHEM, vol. 42(25), pp. 8406-8416, , (2003) 10.1021/IC034439E

IF CITARE: 3.389

[72.22] Letard, JF; Chastanet, G; Nguyen, O; Marcen, S; Marchivie, M; Guionneau, P; Chasseau, D; Gutlich, P, Spin crossover properties of the $[\text{Fe}(\text{PM-BiA})(2)(\text{NCS})(2)]$ complex - Phases I and II, MONATSH CHEM, vol. 134(2), pp. 165-182, , (2003) 10.1007/S00706-002-0537-0

IF CITARE: 0.886

[72.23] Gudyma, Y; Semenko, O, Nonequilibrium photo-induced dynamics of spin-crossover compounds, P SOC PHOTO-OPT INS, vol. 5477, pp. 191-197, , (2003) 10.1117/12.559857

IF CITARE: 0.000

autori=6 IF=1.020 UAIC I.1(IST)=14.367 nr.citari=23 UAIC I.12 (Citari)=184.687

[73] Enachescu, C; Linares, J; Varret, F, Comparison of static and light-induced thermal hystereses of a spin-crossover solid, in a mean-field approach, J PHYS-CONDENS MAT, vol. 13(11), pp. 2481-2495, (2001) 10.1088/0953-8984/13/11/307

[73.1] Saigo, N; Sekimoto, Y; Nakaya, M; Ohtani, R; Nakamura, M; Hayami, S, Direct observation of low-temperature bistability in an iron(III) LIESST compound, J INCL PHENOM MACRO, vol. 82(1-2), pp. 225-228, , (2015) 10.1007/S10847-015-0521-Z

IF CITARE: 1.253

[73.2] Homenya, P; Heyer, L; Renz, F, Electromagnetic radiation as a spin crossover stimulus, PURE APPL CHEM, vol. 87(3), pp. 293-300, , (2015) 10.1515/PAC-2014-1001

IF CITARE: 2.615

[73.3] Gudyma, IV; Maksymov, A, Light-induced transition in spin-crossover compounds with correlated stochastic processes, PROC SPIE, vol. 9809, art.no. 98090R, (2015) 10.1117/12.2228171

IF CITARE: 0.000

[73.4] Balde, C; Desplanches, C; Le Gac, F; Guionneau, P; Letarda, JF, The role of iron(II) dilution in the magnetic and photomagnetic properties of the series $[\text{FexZn}_{1-x}(\text{bpp})(2)](\text{NCS})(2)$, DALTON T, vol. 43(21), pp. 7820-7829, , (2014) 10.1039/C3DT52964A

IF CITARE: 4.197

[73.5] Gudyma, I; Maksymov, A; Dimian, M, Stochastic kinetics of photoinduced phase transitions in spin-crossover solids, PHYS REV E, vol. 88(4), art.no. 042111, (2013) 10.1103/PHYSREVE.88.042111

IF CITARE: 2.326

[73.6] Gudyma, IV; Maksymov, AI, Light-induced hysteresis in spin crossover compounds under noise, PROC SPIE, vol. 9066, art.no. 906613, (2013) 10.1117/12.2048391

IF CITARE: 0.000

[73.7] Gudyma, I; Maksymov, A, Optically induced switching in spin-crossover compounds: microscopic and macroscopic models and their relationship, APPL OPTICS, vol. 51(10), pp. C55-C61, , (2012) 10.1364/AO.51.000C55

IF CITARE: 1.689

[73.8] Klokishner, SI; Roman, MA; Reu, OS, A Model of Spin Crossover in Manganese(III) Compounds: Effects of Intra- and Intercenter Interactions, INORG CHEM, vol. 50(22), pp. 11394-11402, , (2011) 10.1021/IC201025U

IF CITARE: 4.601

[73.9] Gudyma, IV; Maksymov, AI, High spin metastable state relaxation of spin-crossover solids driven by white noise, J PHYS CHEM SOLIDS, vol. 72(2), pp. 73-77, , (2011) 10.1016/J.JPCS.2010.11.002

IF CITARE: 1.632

[73.10] Gudyma, IV; Maksymov, AI, Theoretical analysis of the states of spin-crossover solids under cross-correlated noises, PHYSICA B, vol. 405(11), pp. 2534-2537, , (2010) 10.1016/J.PHYSB.2010.03.025

IF CITARE: 0.856

[73.11] Rotaru, A; Linares, J; Mordelet, S; Stancu, A; Nasser, J, Re-entrance phase and excited metastable electronic spin states in one-dimensional spin crossover compounds explained by atom-phonon coupling model, J APPL PHYS, vol. 106(4), art.no. 043507, (2009) 10.1063/1.3186055

IF CITARE: 2.072

[73.12] Mishra, H; Mishra, V; Varret, F; Mukherjee, R; Balde, C; Desplanches, C; Letard, JF, Opposite effects of interactions and disorder on the switching properties of the spin transition compound [Fe-II(L)(2)][ClO4](2) center dot C7H8, POLYHEDRON, vol. 28(9-10), pp. 1678-1683, , (2009) 10.1016/J.POLY.2008.10.029

IF CITARE: 2.207

[73.13] Rotaru, A; Carmona, A; Combaud, F; Linares, J; Stancu, A; Nasser, J, Monte Carlo simulations for 1-and 2D spin crossover compounds using the atom-phonon coupling model, POLYHEDRON, vol. 28(9-10), pp. 1684-1687, , (2009) 10.1016/J.POLY.2008.10.053

IF CITARE: 2.207

[73.14] Rotaru, A; Linares, J; Codjovi, E; Nasser, J; Stancu, A, Size and pressure effects in the atom-phonon coupling model for spin crossover compounds, J APPL PHYS, vol. 103(7), art.no. 07B908, (2008) 10.1063/1.2832674

IF CITARE: 2.201

[73.15] Rotaru, A; Linares, J, Relaxation and Light Induced Thermal Hysteresis (LITH) behaviours in the atom-phonon coupling model for spin crossover compounds, J OPTOELECTRON ADV M, vol. 9(9), pp. 2724-2730, , (2007)

IF CITARE: 0.827

[73.16] Bonhommeau, S; Molnar, G; Goiran, M; Boukheddaden, K; Bousseksou, A, Unified dynamical description of pulsed magnetic field and pressure effects on the spin crossover phenomenon, PHYS REV B, vol. 74(6), art.no. 064424, (2006) 10.1103/PHYSREVB.74.064424

IF CITARE: 3.107

[73.17] Varret, F; Boukheddaden, K; Codjovi, E; Maurin, I; Tokoro, H; Ohkoshi, S; Hashimoto, K, Light-induced thermal hysteresis and intensity thresholds in molecular switchable solids, by mean-field macroscopic master equation approach: Discussion of the experimental data obtained for Co-Fe Prussian Blue Analogues, POLYHEDRON, vol. 24(16-17), pp. 2857-2863, , (2005) 10.1016/J.POLY.2005.06.013

IF CITARE: 1.957

[73.18] Gudyma, Y; Semenko, O, Nonequilibrium kinetics in spin-crossover compounds, PHYS STATUS SOLIDI B, vol. 241(2), pp. 370-376, , (2004) 10.1002/PSSB.200301921

IF CITARE: 0.982

[73.19] Hauser, A, Light-induced spin crossover and the high-spin -> low-spin relaxation, TOP CURR CHEM, vol. 234, pp. 155-198, , (2004) 10.1007/B95416

IF CITARE: 5.283

[73.20] Kawamoto, T; Abe, S, Photoinduced phase transition accelerated by use of two-component nanostructures: A computational study on an Ising-type model, PHYS REV B, vol. 68(23), art.no. 235112, (2003) 10.1103/PHYSREVB.68.235112

IF CITARE: 2.962

[73.21] Gudyma, Y; Semenko, O, Nonequilibrium photo-induced dynamics of spin-crossover compounds, P SOC PHOTO-OPT INS, vol. 5477, pp. 191-197, , (2003) 10.1117/12.559857

IF CITARE: 0.000

[73.22] Kawamoto, T; Abe, S, Monte Carlo simulation for the photoinduced phase transition on a two-dimensional stripe-structure, PHASE TRANSIT, vol. 75(7-8), pp. 753-758, , (2002) 10.1080/01411590290033868

IF CITARE: 0.697

[73.23] Kawamoto, T; Abe, S, Conceptual design of nanostructures for efficient photoinduced phase transitions, APPL PHYS LETT, vol. 80(14), pp. 2562-2564, , (2002) 10.1063/1.1468263

IF CITARE: 4.207

autori=3 IF=1.611 UAIC I.1(ISI)=40.553 nr.citari=23 UAIC I.12 (Citari)=395.853

[74] Parreira, C; Enachescu, C; Linares, J; Boukheddaden, K; Varret, F, A two-sublattice model for light-induced hysteresis in spin-crossover solids: symmetry breaking and kinetic effects, J PHYS-CONDENS MAT, vol. 12(45), pp. 9395-9406, (2000) 10.1088/0953-8984/12/45/303

[74.1] Sang, XL; Zeng, CH; Wang, H, Noise-induced optical bistability and state transitions in spin-crossover solids with delayed feedback, EUR PHYS J B, vol. 86(5), art.no. 229, (2013) 10.1140/EPJB/E2013-40179-Y

IF CITARE: 1.463

[74.2] Paradis, N; Chastanet, G; Varret, F; Letard, JF, Metal Dilution of Cooperative Spin-Crossover Compounds: When Stable and Metastable High-Spin States Meet, EUR J INORG CHEM, vol. (5-6), pp. 968-974, , (2013) 10.1002/EJIC.201201084

IF CITARE: 2.965

[74.3] Gudyma, IV; Maksymov, AI, Light-induced hysteresis in spin crossover compounds under noise, PROC SPIE, vol. 9066, art.no. 906613, (2013) 10.1117/12.2048391

IF CITARE: 0.000

[74.4] Pillet, S; Bendeif, E; Bonnet, S; Shepherd, HJ; Guionneau, P, Multimetastability, phototrapping, and thermal trapping of a metastable commensurate superstructure in a Fe-II spin-crossover compound, PHYS REV B, vol. 86(6), art.no. 064106, (2012) 10.1103/PHYSREVB.86.064106

IF CITARE: 3.767

[74.5] Gudyma, IV; Maksymov, AI, High spin metastable state relaxation of spin-crossover solids driven by white noise, J PHYS CHEM SOLIDS, vol. 72(2), pp. 73-77, , (2011) 10.1016/J.JPCS.2010.11.002

IF CITARE: 1.632

[74.6] Schmidt, RD; Shultz, DA; Martin, JD; Boyle, PD, Goldilocks Effect in Magnetic Bistability: Remote Substituent Modulation and Lattice Control of Photoinduced Valence Tautomerism and Light-Induced Thermal Hysteresis, J AM CHEM SOC, vol. 132(17), pp. 6261-6273, , (2010) 10.1021/JA101957C

IF CITARE: 0.023

[74.7] Wu, DY; Sato, O; Einaga, Y; Duan, CY, A Spin-Crossover Cluster of Iron(II) Exhibiting a Mixed-Spin Structure and Synergy between Spin Transition and Magnetic Interaction, ANGEW CHEM INT EDIT, vol. 48(8), pp. 1475-1478, , (2009) 10.1002/ANIE.200804529

IF CITARE: 11.829

[74.8] Gudyma, Y; Semenko, O, Nonequilibrium kinetics in spin-crossover compounds, PHYS STATUS SOLIDI B, vol. 241(2), pp. 370-376, , (2004) 10.1002/PSSB.200301921

IF CITARE: 0.982
 [74.9] Kawamoto, T; Abe, S, Photoinduced phase transition accelerated by use of two-component nanostructures: A computational study on an Ising-type model, PHYS REV B, vol. 68(23), art.no. 235112, (2003) 10.1103/PHYSREVB.68.235112
 IF CITARE: 2.962
 [74.10] Boukheddaden, K; Linares, J; Codjovi, E; Varret, F; Niel, V; Real, JA, Dynamical Ising-like model for the two-step spin-crossover systems, J APPL PHYS, vol. 93(10), pp. 7103-7105, , (2003) 10.1063/1.1540038
 IF CITARE: 2.171
 [74.11] Gudyma, Y; Semenko, O, Nonequilibrium photo-induced dynamics of spin-crossover compounds, P SOC PHOTO-OPT INS, vol. 5477, pp. 191-197, , (2003) 10.1117/12.559857
 IF CITARE: 0.000
 [74.12] Kawamoto, T; Abe, S, Monte Carlo simulation for the photoinduced phase transition on a two-dimensional stripe-structure, PHASE TRANSIT, vol. 75(7-8), pp. 753-758, , (2002) 10.1080/01411590290033868
 IF CITARE: 0.697
 autori=5 IF=1.608 UAIC I.1(ISI)=24.296 nr.citari=12 UAIC I.12 (Citari)=173.964

[75] Stancu, A; Verdes, C; Enachescu, C, Generalized delta m curves for particulate recording media obtained by Fourier analysis, IEEE T MAGN, vol. 36(1), pp. 386-394, (2000) 10.1109/20.822552

[75.1] Goev, G; Masheva, V; Mikhov, M, Fourier analysis of AC hysteresis loops, IEEE T MAGN, vol. 39(4), pp. 1993-1996, , (2003) 10.1109/TMAG.2003.814288

IF CITARE: 1.006
 [75.2] Martinez-Sanchez, R; Matutes-Aquino, JA; Ayala-Valenzuela, O; De la Torre, SD, Magnetic properties of mechanically alloyed Co-Ti powder, PHYSICA B, vol. 320(1-4), pp. 285-287, art.no. PII S0921-4526(02)00716-0, (2002)

IF CITARE: 0.609
 [75.3] Stancu, A, Experimental and theoretical studies of interactions in particulate recording media, J OPTOELECTRON ADV M, vol. 4(2), pp. 217-222, , (2002)

IF CITARE: 0.446
 autori=3 IF=0.720 UAIC I.1(ISI)=22.733 nr.citari=3 UAIC I.12 (Citari)=23.740

T O T A L

UAIC I.1 (ISI) = 3384.110 UAIC I.12 (Citari) = 20635.613

IMPACT FACTOR TOTAL (TOTI ANII) = 49.607

1.5

[1] Autori: Enachescu, C., Nishino, M., Miyashita, S.

Titlu: Theoretical Descriptions of Spin-Transitions in Bulk Lattices

Carte: "Spin Crossover Materials, Properties and Applications", Ed. M. Halcrow, John Wiley & Sons, Ltd. Published 2013 (pag.455-474)

Punctaj: $100 \cdot 20 / 100 / 3 = 7.6$ puncte

[2] Autori: Stancu, A; Enachescu, C; Tanasa, R; Linares, J; Codjovi, E; Varret, F,

Titlu: Forc Experimental Method For Physical Characterization Of Spin Crossover Solids,

Carte "Frontiers In Condensed Matter Physics Research"- Nova Science Publishers, Inc, New York, Usa, 2006, ISBN: 1-59454-829-3

Punctaj: $70 \cdot 56 / 100 / 6 = 6.5$ puncte

[3] Autori: Enachescu, C; Tanasa, R; Stancu, A; Linares, J; Varret, F,

Titlu: Preisach Model For Spin Transition Compounds,

Carte "Preisach Memorial Book", A. Ivany Ed, Akademiai Kiado, Budapest, Pp 175-186, ISBN 9630582643

Punctaj: $100 \cdot 12 / 100 / 5 = 2.4$ puncte

Total criteriu 1.5: 16.5 puncte

1.8

CONTRACTE NATIONALE CA DIRECTOR			
	Contractul	SUMA LEI	punctaj
1	CEEX - tineri cercetatori (2006-2008)	135000	13.50
2	TE 185/2010	750000	75.00
3	PCCE 9/2010	1210720	121.07
4	TE 151/2015	549700	54.97

CONTRACTE INTERNATIONALE CA MEMBRU ECHIPA				
	Contractul	NUMAR MEMBRI ECHIPA	SUMA euro	punctaj
1	Molecular Approach to Nanomagnets and Multifunctional Materials MAGMANet (2005-2009). Network of Excellence – FP6 Valoarea totala: 145.000 EURO Responsabil proiect: prof.dr. Alexandru Stancu	4	145000	36.25

Total criteriu 1.8: 245.82 puncte

1.13

Lucrari invitate			
Lucrare	Conferinta	An	oral
Cristian Enachescu First order reversal curves method for hysteresis in materials: application on spin crossover compounds	IBWAP 2013 http://ibwap2013.univ-ovidius.ro/home.htm	2013	10
C. Enachescu, The mechanoelastic model for spin transition materials: challenges and perspectives	PDSTM 2012 http://www.pdstm2012.uvsq.fr/pdstm-2012/langue-en/schedule/schedule-236457.kjsp?RH=PDSTM-FR	2012	25
Cristian Enachescu Spin crossover compounds- premises for fully optical memory devices	The 10th International Conference "Correlation Optics" http://www.itf.cv.ua/corrupt11/Data.files/program_a.pdf	2011	25
C. Enachescu: New model of elastic interactions for the study of relaxation and hysteresis in spin transition compounds	Spin Crossover - State of the Art in 2010" and "8th Spin Crossover Family Meeting" http://www.sci.kumamoto-u.ac.jp/~hayami/SCOmeeting.pdf	2010	25
Cristian Enachescu (Alexandru Ioan Cuza University, Iasi, Romania) "Models in spin crossover compounds: from mean-field to Ising and elastic approaches"	Advances in Structure-Property Correlations, the Gate for Special Properties at Molecular and Nano-Scale Levels	2012	10
Cristian Enachescu New Elastic Interaction Model For Nanosized Molecular Magnets	IBWAP 2011	2011	10

Total criteriu 1.13: 105 puncte

1.14

Profesor invitat la University of Tokyo -2009, 2010, 2011, 2012, 2013, 2014,2015,2016, 2017, 2018 (câte două săptămâni în fiecare an) 25*10=250 puncte

Profesor invitat la Universite de Rennes, Franta (o saptamana, 2015): 25 de puncte

Total criteriu 1.14: 275 puncte

1.17

Premiul Stefan Procopiu al Academiei Romane, 2016 -50 de puncte

1.18

Premiul Fundatiei Academiei Romane pentru Stiinta si Arta -2011

Total criteriu 1.18: 20 de puncte

2.2

Înființare laborator fotomagnetism 40 puncte

Total criteriu 2.2: 40 de puncte

2.3

Materiale suport curs Tehnologii Informaționale (disponibile online la adresa stoner.phys.uaic.ro) 10 puncte

Materiale suport laborator Tehnologii Informaționale (disponibile online la adresa stoner.phys.uaic.ro) 10 puncte

Materiale suport curs Introducere în simularea evenimentelor discrete. Modele Ising și Metoda Monte Carlo (disponibile online la adresa stoner.phys.uaic.ro) 10 puncte

Materiale suport laborator Introducere în simularea evenimentelor discrete. Modele Ising și Metoda Monte Carlo (disponibile online la adresa stoner.phys.uaic.ro) 10 puncte

Total criteriu 2.3: 40 de puncte