

# Lista completă de lucrări

## a) Lista celor mai relevante 10 lucrări

- 
- [1] **Author(s):** Stoleriu, L; Nishino, M; Miyashita, S; Stancu, A; Hauser, A; **Enachescu, C**,  
**Title:** Cluster evolution in molecular three-dimensional spin-crossover systems  
**Source:** PHYSICAL REVIEW B, vol. 96(6), art.no. 064115, (2017) 10.1103/PHYSREVB.96.064115
- 
- [2] **Author(s):** **Enachescu, C**; Stoleriu, L; Nishino, M; Miyashita, S; Stancu, A; Lorenc, M; Bertoni, R; Cailleau, H; Collet, E,  
**Title:** Theoretical approach for elastically driven cooperative switching of spin-crossover compounds impacted by an ultrashort laser pulse  
**Source:** PHYSICAL REVIEW B, vol. 95(22), art.no. 224107, (2017) 10.1103/PHYSREVB.95.224107
- 
- [3] **Author(s):** **Enachescu, C**; Tanasa, R; Stancu, A; Tissot, A; Laisney, J; Boillot, ML  
**Title:** Matrix-assisted relaxation in Fe(phen)(2)(NCS)(2) spin-crossover microparticles, experimental and theoretical investigations  
**Source:** APPLIED PHYSICS LETTERS, Volume: 109, Issue: 3, Article Number: 031908, DOI: 10.1063/1.4959262, JUL 18 2016
- 
- [4] **Author(s):** Bertoni, R; Lorenc, M; Cailleau, H; Tissot, A; Laisney, J; Boillot, ML; Stoleriu, L; Stancu, A; **Enachescu, C**; Collet, E  
**Title:** Elastically driven cooperative response of a molecular material impacted by a laser pulse  
**Source:** NATURE MATERIALS, Volume: 15, Pages: 606, DOI: 10.1038/NMAT4606, JUN 2016
- 
- [5] **Author(s):** **Enachescu, C**; Nishino, M; Miyashita, S; Boukheddaden, K; Varret, F; Rikvold, PA  
**Title:** Shape effects on the cluster spreading process of spin-crossover compounds analyzed within an elastic model with Eden and Kawasaki dynamics  
**Source:** PHYSICAL REVIEW B, Volume: 91, Issue: 10, Article Number: 10410, Published: MAR 3 2015
- 
- [6] **Author(s):** Tanasa, R, Laisney, J, Stancu, A, Boillot, ML, **Enachescu, C**  
**Title:** Hysteretic behavior of Fe(phen)(2)(NCS)(2) spin-transition microparticles vs. the environment: A huge reversible component resolved by first order reversal curves  
**Source:** APPLIED PHYSICS LETTERS: 104, 3, 031909: 10.1063/1.4862748, JAN 20 2014
- 
- [7] **Author(s):** **Enachescu, C**; Nishino, M; Miyashita, S; Stoleriu, L; Stancu, A  
**Title:** Monte Carlo Metropolis study of cluster evolution in spin-crossover solids within the framework of a mechanoelastic model  
**Source:** PHYSICAL REVIEW B, 86 (5):10.1103/PhysRevB.86.054114 AUG 20 2012
- 
- [8] **Author(s):** Atitoaie A; Tanasa R; Enachescu C  
**Title:** Size dependent thermal hysteresis in spin crossover nanoparticles reflected within a Monte Carlo based Ising-like model  
**Source:** JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 324 Issue: 8 Pages: 1596-1600 DOI: 10.1016/j.jmmm.2011.12.011
- 
- [9] **Author(s):** Stoleriu, L; Chakraborty, P; Hauser, A; Stancu, A; **Enachescu, C**  
**Title:** Thermal hysteresis in spin-crossover compounds studied within the mechanoelastic model and its potential application to nanoparticles  
**Source:** PHYSICAL REVIEW B 84 (13): 10.1103/PhysRevB.84.134102 OCT 11 2011
- 
- [10] **Author(s):** **Enachescu, C**; Stoleriu, L; Stancu, A, Hauser, A.  
**Title:** Model for Elastic Relaxation Phenomena in Finite 2D Hexagonal Molecular Lattices  
**Source:** PHYSICAL REVIEW LETTERS Volume: 102 Issue: 25 Article Number: 257204
-

## b) Teza de doctorat

**C. Enachescu** - Contributions à l'étude de l'instabilité induite par la lumière dans des solides inorganiques photomagnétiques,  
Universite Saint Quentin en Yvelines Versailles 2003, Universitatea Alexandru Ioan Cuza din Iași 20104

## d) Capitole în cărți

- [1] **Autori:** Gudyma, I., **Enachescu, C.**, Maksymov, A,  
**Titlu:** Kinetics of Nonequilibrium Transition in Spin-Crossover Compounds  
**Carte:** "Nanocomposites, Nanophotonics, Nanobiotechnology, and Applications", Springer International Publishing, Switzerland 2015 (pag.375-403)
- [2] **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)

---

[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

---

[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

---

## e) Alte articole publicate in extenso în reviste din circuitul internațional (cotate ISI)

- [1] **Author(s):** Delgado,T; **Enachescu, C**; Tissot, A; Guenee, L; Hauser, A; Besnard, C, ,  
**Title:** The influence of the sample dispersion on a solid surface in the thermal spin transition of [Fe(pz)Pt(CN)<sub>4</sub>] nanoparticles  
**Source:** PHYSICAL CHEMISTRY CHEMICAL PHYSICS., 2018,20, 12493-1250
- 
- [2] **Author(s):** Ati, M; **Enachescu, C**; Bouamrane, R,  
**Title:** Langevin dynamics simulation of a one-dimensional linear spin chain with long-range interactions  
**Source:** EUR PHYS J B, vol. 90(7), art.no. 133, (2017) 10.1140/EPJB/E2017-80070-3
- 
- [3] **Author(s):** Gaina, R; **Enachescu, C**,  
**Title:** Nucleation in spin transition molecular magnets: a parallel between ising-like and mechanoelastic models  
**Source:** PROCEEDINGS ROMANIAN ACADEMY A, vol. 18(3), pp. 215-222, (2017)
- 
- [4] **Author(s):** **Enachescu, C.**; Hauser, A.  
**Title:** Study of switching in spin transition compounds within the mechanoelastic model with realistic parameters  
**Source:** PHYSICAL CHEMISTRY CHEMICAL PHYSICS, Volume: 18, Issue: 30, Pages: 20591-20599, DOI: 10.1039/c6cp02806c, AUG 14 2016
- 
- [5] **Author(s):** Atitoaie, A; Stoleriu, L ; Tanasa, R; Stancu, A; **Enachescu, C**  
**Title:** Thermal hysteresis kinetic effects of spin crossover nanoparticulated systems studied by FORC diagram method on an Ising-like model  
**Source:** PHYSICA B-CONDENSED MATTER, Volume: 486, Pages: 138-141, DOI: 10.1016/j.physb.2015.08.035, APR 1 2016
- 
- [6] **Author(s):** Stan, RM, Gaina, R; **Enachescu, C**; Tanasa, R; Stancu, A; Bronisz, R

**Title:** Kinetic effects on double hysteresis in spin crossover molecular magnets analyzed with first order reversal curve diagram technique

**Source:** JOURNAL OF APPLIED PHYSICS, Volume: 117, Issue: 17, Article Number: 17B323, DOI: 10.1063/1.4918961, Published: MAY 7 2015

---

[7] **Author(s):** Stoleriu, L; Stancu, A; Chakraborty, P; Hauser, A; **Enachescu, C**

**Title:** Analysis of first order reversal curves in the thermal hysteresis of spin-crossover nanoparticles within the mechanoelastic model

**Source:** JOURNAL OF APPLIED PHYSICS, Volume: 117, Issue: 17, Article Number: 17B307, DOI: 10.1063/1.4914953, Published: MAY 7 2015

---

[8] **Author(s):** Chakraborty, P; **Enachescu, C**; Humair, A; Egger, L; Delgado, T; Tissot, A; Guenee, L; Besnard, C; Bronisz, R; Hauser, A

**Title:** Light-induced spin-state switching in the mixed crystal series of the 2D coordination network  $\{[\text{Zn}_{1-x}\text{Fe}_x(\text{bbtr})_3](\text{BF}_4)_2\}(\infty)$ : optical spectroscopy and cooperative effects

**Source:** DALTON TRANSACTIONS Volume: 43 Issue: 47 Pages: 17786-17796 Published: 2014

---

[9] **Author(s):** Atitoaie, A; Tanasa, R; Stancu, A; Enachescu C

**Title:** Study of spin crossover nanoparticles thermal hysteresis using FORC diagrams on an Ising-like model

**Source:** JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 368, Pages: 12-18 DOI: 10.1016/j.jmmm.2014.04.054 Published: NOV 2014

---

[10] **Author(s):** Gudyma, Y; Maksimov, A; **Enachescu, C**

**Title:** Phase transition in spin-crossover compounds in the breathing crystal field model

**Source:** PHYSICAL REVIEW B: 89, 224412: 10.1103/PhysRevB.89.224412, JUN 23 2014

---

[11] **Author(s):** Nishino, M; Nakada, T; **Enachescu, C**; Boukheddaden, K; Miyashita, S

**Title:** Crossover of the roughness exponent for interface growth in systems with long-range interactions due to lattice distortion

**Source:** PHYSICAL REVIEW B: 88, 9, 094303: 10.1103/PhysRevB.88.094303, SEP 16 2013

---

[12] **Author(s):** Chakraborty, P; Pillet, S; Bendeif, EE; **Enachescu, C**; Bronisz, R; Hauser, A

**Title:** Light-Induced Bistability in the 2D Coordination Network  $\{[\text{Fe}(\text{bbtr})(3)][\text{BF}_4](2)\}_\infty$ : Wavelength-Selective Addressing of Molecular Spin States

**Source:** CHEMISTRY-A EUROPEAN JOURNAL, 19 (34), 11418-11428, 10.1002/chem.201301257, AUG 19 2013

---

[13] **Author(s):** Chakraborty, P; **Enachescu, C**; Hauser, A

**Title:** Analysis of the Experimental Data for Pure and Diluted  $[\text{Fe}_x\text{Zn}_{1-x}(\text{bbtr})(3)](\text{ClO}_4)(2)$  Spin-Crossover Solids in the Framework of a Mechanoelastic Model

**Source:** EUROPEAN JOURNAL OF INORGANIC CHEMISTRY, 5-6, 770-780, FEB 2013

---

[14] **Author(s):** Chakraborty, P; **Enachescu, C**; Walder, C; Bronisz, R; Hauser, A

**Title:** Thermal and Light-Induced Spin Switching Dynamics in the 2D Coordination Network of  $\{[\text{Zn}_{1-x}\text{Fe}_x(\text{bbtr})_3](\text{ClO}_4)_2\}_\infty$ : The Role of Cooperative Effects

**Source:** INORGANIC CHEMISTRY, 51 (18):9714-9722; 10.1021/ic301006c SEP 17 2012

---

[15] **Author(s):** Tissot, A; **Enachescu, C**; Boillot, ML

**Title:** Control of the thermal hysteresis of the prototypal spin-transition  $\text{FeII}(\text{phen})_2(\text{NCS})_2$  compound via the microcrystallites environment: experiments and mechanoelastic model

**Source:** JOURNAL OF MATERIALS CHEMISTRY, 22 (38):20451-20457; 10.1039/c2jm33865c 2012

---

[16] **Author(s):** Ferbinteanu M; Cimpoesu F; Girtu M.; Enachescu C; Tanase S

**Title:** Structure and Magnetism in Fe-Gd Based Dinuclear and Chain Systems. The Interplay of Weak Exchange Coupling and Zero Field Splitting Effects

---

[17] **Author(s):** Nishino, M; **Enachescu, C**; Miyashita, S, Rikvold, P.A.; Boukheddaden, K., Varret, F  
**Title:** Macroscopic nucleation phenomena in continuum media with long-range interactions  
**Source:** SCIENTIFIC REPORTS 1 : 162 DOI: 10.1038/srep00162 , 2011

---

[18] **Author(s):** Padurariu L; Enachescu C; Mitoseriu L  
**Title:** Monte Carlo simulations for describing the ferroelectric-relaxor crossover in BaTiO(3)-based solid solutions  
**Source:** JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 23 Issue: 32 Article Number: 325901, AUG 17 2011

---

[19] **Author(s):** Rotaru. A; Linares, J; Varret, F; Codjovi, E; Slimani, A; Tanasa, R; **Enachescu, C**; Stancu, A; Haasnoot, J  
**Title:** Pressure effect investigated with first-order reversal-curve method on the spin-transition compounds [Fe<sub>x</sub>Zn<sub>1-x</sub>(btr)(2)(NCS)(2)]center dot H<sub>2</sub>O (x=0.6,1)  
**Source:** PHYSICAL REVIEW B, 83 (22) Article Number: 224107, JUN 2011

---

[20] **Author(s):** **Enachescu, C**; Stoleriu, L; Stancu, A; Hauser, A  
**Title:** Study of the relaxation in diluted spin crossover molecular magnets in the framework of the mechano-elastic model  
**Source:** JOURNAL OF APPLIED PHYSICS, 109 (7), 07B111, APR 1 2011

---

[21] **Author(s):** Krivokapic, I; Chakraborty, P; **Enachescu, C**; Bronisz, R; Hauser, A  
**Title:** Low-Spin -> High-Spin Relaxation Dynamics in the Highly Diluted Spin-Crossover System [Fe<sub>x</sub>Zn<sub>1-x</sub>(bbtr)<sub>3</sub>](ClO<sub>4</sub>)<sub>2</sub>  
**Source:** INORGANIC CHEMISTRY 50 (5): 1856-1861 MAR 7 2011

---

[22] **Author(s):** Gudyma, Y; Maksimov, A; **Enachescu, C**  
**Title:** Decay of a metastable high-spin state in spin-crossover compounds: Mean first passage time analysis  
**Source:** EUROPEAN PHYSICAL JOURNAL B 78 (2): 167-172 NOV 2010

---

[23] **Author(s):** Krivokapic, I; Chakraborty, P.; Bronisz, R.; **Enachescu, C**; Hauser, A.  
**Title:** Significant Variation of the Singlet–Quintet Intersystem Crossing Rate Constant in an Iron(II) High-Spin Complex as a Function of Temperature  
**Source:** ANGEWANDTE CHEMIE INTERNATIONAL EDITION, Vol 49, Pag. 8509-8512, NOV 2010

---

[24] **Author(s):** **Enachescu, C**; Stoleriu, L; Stancu, A; Hauser, A  
**Title:** Competition Between Photo-Excitation and Relaxation in Spin Crossover Complexes in The Frame of a Mechano-Elastic Model  
**Source:** PHYSICAL REVIEW B , 82(10) Article Number: 104114 , SEP21 2010

---

[25] **Author(s):** Enachescu C, Nishino M, Miyashita S, Hauser A, Stancu A, Stoleriu L  
**Title:** Cluster evolution in spin crossover systems observed in the frame of a mechano-elastic model  
**Source:** EUROPHYSICS LETTERS Volume: 91 Issue 2 Article Number: 27003 Published: JUL 2010

---

[26] **Author(s):** Nishino, M; **Enachescu, C**; Miyashita, S, Boukheddaden, K., Varret, F  
**Title:** Intrinsic effects of the boundary condition on switching processes in effective long-range interactions originating from local structural change  
**Source:** PHYSICAL REVIEW B Volume: 82 Issue: 2 Article Number: 020409 Published: JUL 2010

---

[27] **Author(s):** Apetrei, AM; **Enachescu, C**; Tanasa, R; Stoleriu, L.; Stancu, A.;  
**Title:** Monte Carlo simulations of phase transitions and lattice dynamics in an atom-phonon model for spin transition compounds

---

[28] **Author(s):** Enachescu, C; Dobrinescu, A; Stancu, A

**Title:** Single-domain particle hysteresis for a Random Anisotropy Ising System with exchange and magnetostatic interactions

**Source:** JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS 322 (9-12):1368-1372 2010

---

[29] **Author(s):** Dobrinescu, A; Enachescu, C; Stancu, A

**Title:** Ising-like model study of size dependence relaxation in spin crossover complexes

**Source:** JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS 321 (24): 4132-4138 DEC 2009

---

[30] **Author(s):** Rotaru, A; Dirtu, MM; Enachescu, C; Tanasa, R; Linares, J; Stancu, A; Garcia, Y

**Title:** Calorimetric measurements of diluted spin crossover complexes [FexM1-x(btr)(2)(NCS)(2)]center dot H2O with M-II = Zn and Ni

**Source:** POLYHEDRON 28 (13): 2531-2536 SEP 2 2009

---

[31] **Author(s):** Mishra V, Mishra H, Mukherjee R, Codjovi E, Linares J, Letard JF, Desplanches C, Balde C, Enachescu C, Varret F

**Title:** 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

**Source:** DALTON TRANSACTIONS, 36, 7462-7472, 2009

---

[32] **Author(s):** Stoleriu, L., Enachescu, C., Stancu, A., Hauser, A.

**Title:** Elastic model for complex hysteretic processes in molecular magnets

**Source:** IEEE TRANSACTIONS ON MAGNETICS, 44 (11), 3052-3055, NOV 2008

---

[33] **Author(s):** Krivokapic, I; Enachescu, C; Bronisz, R., Hauser, A.

**Title:** 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

**Source:** INORGANICA CHIMICA ACTA 361 (12-13): 3616-3622 SEP 1 2008

---

[34] **Author(s):** Krivokapic, I; Enachescu, C; Bronisz, R., Hauser, A.

**Title:** Spin transition and relaxation dynamics coupled to a crystallographic phase transition in a polymeric iron(II) spin-crossover system

**Source:** CHEMICAL PHYSICS LETTERS, 455, 4-6, 192-196, 2008

---

[35] **Author(s):** Enachescu, C., Krivokapic, I., Zerara, M., Real, J.A., Amstutz, N., Hauser, A.

**Title:** Optical investigation of spin-crossover in cobalt(II) bis-terpy complexes

**Source:** INORGANICA CHIMICA ACTA, 360, 3945-3950, 2007

---

[36] **Author(s):** Tanasa, R., Enachescu, C., Stancu, A., Varret, F., Linares, J., Codjovi, E.

**Title:** Study of impurities effect in spin crossover compounds using First Order Reversal Curves (FORC) method

**Source:** POLYHEDRON, 26, 1820-1824, 2007

---

[37] **Author(s):** Krivokapic, I; Zerara, M.; Daku, ML; Vargas, A; Enachescu,C; Ambrus, C; Tregenna-Piggott, P; Amstutz, N; Krausz, E; Hauser, A

**Title:** Spin-crossover in cobalt(II) imine complexes

**Source:** COORDINATION CHEMISTRY REVIEWS, 251 (3): 364-378, MAR 2007

---

[38] **Author(s):** Enachescu, C; Stancu, A;

**Title:** FORC Analysis of Size Effects in Ising-Type Models of Disordered Magnets

**Source:** IEEE TRANSACTIONS ON MAGNETICS, 42 (10): 3156-3158 OCT 2006

---

- [39] **Author(s):** Hauser, A; **Enachescu, C**; Daku, ML; Vargas, A; Amstutz, N  
**Title:** 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  
**Source:** COORDINATION CHEMISTRY REVIEWS, 250 (13-14): 1642-1652, JUL 2006
- 
- [40] **Author(s):** **Enachescu, C**; Hauser, A; Girerd, JJ; Boillot ML  
**Title:** Photoexcitation and Relaxation Dynamics of Catecholato-Iron(III) Spin-Crossover Complexes  
**Source:** CHEMPHYSICHEM, 7 (5): 1127-1135 MAY 2006
- 
- [41] **Author(s):** **Enachescu, C**; Tanasa, R; Stancu, A; Chastanet, G; Letard, JF; Linares, J; Varret, F  
**Title:** Rate-dependent light-induced thermal hysteresis of  $[\text{Fe}_2(\text{PM-BiA})_2](\text{NCS})_2$  spin transition complex  
**Source:** JOURNAL OF APPLIED PHYSICS, 99 (8): Art. No. 08J504 APR 2006
- 
- [42] **Author(s):** **Enachescu, C**; Varret, F; Codjovi, E; Linares, J; Floquet, S; Manikandan, P; Manoharan, PT  
**Title:** Photoexcitation and relaxation properties of a spin-crossover solid in the case of a stable high-spin state  
**Source:** JOURNAL OF PHYSICAL CHEMISTRY B, 110 (12), 5883-5888, MAR 2006
- 
- [43] **Author(s):** **Enachescu, C**; Tanasa, R; Stancu, A; Varret, F; Linares, J; Codjovi, E  
**Title:** Kinetic hysteresis in spin crossover solids analyzed using FORC diagrams  
**Source:** PHYSICA B-CONDENSED MATTER, 372 (1-2): 211-214 FEB 2006
- 
- [44] **Author(s):** Tanasa, R; Linares, J; **Enachescu, C**; Varret, F; Stancu, A;  
**Title:** Determination of the physical parameters distribution in spin transition compounds using experimental FORC diagram  
**Source:** PHYSICA B-CONDENSED MATTER, 372 (1-2): 215-218 FEB 2006
- 
- [45] **Author(s):** **Enachescu, C**; Tanasa, R; Stancu, A; Varret, F; Linares, J; Codjovi, E  
**Title:** First order reversal curve analysis of rate-dependent hysteresis: The example of light-induced thermal hysteresis in a spin-crossover solid  
**Source:** PHYSICAL REVIEW B, 72 (5): Art. No. 054413 AUG 2005
- 
- [46] **Author(s):** Gawali-Salunke, S; Varret, F; Maurin, I; **Enachescu, C**; Malarova, M; Boukheddaden, K; Codjovi, E; Tokoro, H; Ohkoshi, S; Hashimoto K  
**Title:** Magnetic and Mossbauer Investigation of the Photomagnetic Prussian Blue Analogue  $\text{Na}_{0.32}\text{Co}[\text{Fe}(\text{CN})_6]_{0.74} \cdot 3.4\text{H}_2\text{O}$ : Cooperative Relaxation of the Thermally Quenched State  
**Source:** JOURNAL OF PHYSICAL CHEMISTRY B, 109 (40) 8251-8256 APR 2005
- 
- [47] **Author(s):** Niel, V; Thompson, AL; Goeta, AE; **Enachescu, C**; Hauser, A; Galet, A; Muñoz, MC; Real, JA  
**Title:** Thermal- and Photoinduced Spin-State Switching in an Unprecedented Three-Dimensional Bimetallic Coordination Polymer  
**Source:** CHEMISTRY-A EUROPEAN JOURNAL 11(7), 2047-2060, MAR 2005
- 
- [48] **Author(s):** Tanasa, R; **Enachescu, C**; Stancu, A; Linares, J; Codjovi, E; Varret, F; Haasnoot, J  
**Title:** First order reversal curve analysis of spin-transition thermal hysteresis in terms of physical-parameter distributions and their correlations  
**Source:** PHYSICAL REVIEW B, 71 (1): Art. No. 014431 JAN 2005
- 
- [49] **Author(s):** Varret, F; Boukheddaden, K; Codjovi, E; **Enachescu, C**; Linares, J  
**Title:** On the competition between relaxation and photoexcitations in spin-crossover solids under continuous irradiation  
**Source:** TOPICS IN CURRENT CHEMISTRY, 233: 199-229, JUN 2004
- 
- [50] **Author(s):** **Enachescu, C**; Linares, J; Varret, F; Boukheddaden, K; Codjovi, E; Salunke, S; Mukherjee, R

**Title:** Nonexponential Relaxation of the Metastable State of the Spin-Crossover System [Fe(L)<sub>2</sub>](ClO<sub>4</sub>)<sub>2</sub>H<sub>2</sub>O [L = 2,6-Bis(pyrazol-1-ylmethyl)pyridine]

**Source:** INORGANIC CHEMISTRY, 43(16), 4880-4888, AUG9, 2004

---

[51] **Author(s):** Tanasa, R; **Enachescu, C**; Stancu, A; Linares, J; Codjovi, E; Varret, F

**Title:** Physical parameters distribution in spin transition systems derived from FORC data

**Source:** JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, 6, 551-556, 2004

---

[52] **Author(s):** Tanasa, R; **Enachescu, C**; Stancu, A; Linares, J; Varret, F

**Title:** New statistical method for characterization of structured recording media magnetization processes

**Source:** JOURNAL OF APPLIED PHYSICS, 95 (11): 6750-6752: JUN 1 2004

---

[53] **Author(s):** **Enachescu, C**; Tanasa, R; Stancu, A; Codjovi, E; Linares, J; Varret, F

**Title:** FORC method applied to the thermal hysteresis of spin transition solids: first approach of static and kinetic properties

**Source:** PHYSICA B-CONDENSED MATTER, 343 (1-4): 15-19 JAN 1 2004

---

[54] **Author(s):** Tanasa, R; **Enachescu, C**; Stancu, A; Linares, J; Varret, F

**Title:** Quasi-realistic distribution of interaction fields leading to a variant of Ising spin glass model

**Source:** PHYSICA B-CONDENSED MATTER, 343 (1-4): 314-319 JAN 1 2004

---

[55] **Author(s):** Sava, A; **Enachescu, C**; Stancu, A; Boukheddaden, K; Codjovi, E; Maurin, I; Varret, F

**Title:** Comparison between effects of pressure on spin transition compounds and Prussian blue analogues

**Source:** JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, 5 (4): 977-983 DEC 2003

---

[56] **Author(s):** Linares J; **Enachescu C**; Boukheddaden K; Varret F

**Title:** Monte Carlo entropic sampling applied to spin crossover solids: the squareness of the thermal hysteresis loop

**Source:** POLYHEDRON, 22 (14-17), 2453-2456 JUL 2003

---

[57] **Author(s):** Varret F; Salunke SA; Boukheddaden K; Bousseksou A; Codjovi E; **Enachescu C**; Linares J

**Title:** The Ising-like model applied to switchable inorganic solids: discussion of the static properties

**Source:** COMPTES RENDUS CHIMIE 6(3), 385-393 MAR 2003

---

[58] **Author(s):** **Enachescu C**; Linares J; Codjovi E; Boukheddaden K; Varret F

**Title:** Non-linear behaviour of the spin transition compounds during photo-excitation and relaxation

**Source:** JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS 5(1), 261-266, MAR 2003

---

[59] **Author(s):** **Enachescu C**; Oetliker U; Hauser A

**Title:** The quantum efficiency of the photo-excitation in a Fe(II) spin-crossover compound

**Source:** JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS 5(1), 267-272, MAR 2003

---

[60] **Author(s):** Varret F; Bleuzen A; Boukheddaden K; Bousseksou A; Codjovi E; **Enachescu C**; Goujon A; Linares J; Menendez N; Verdaguer M

**Title:** Examples of molecular switching in inorganic solids, due to temperature, light, pressure, and magnetic field

**Source:** PURE AND APPLIED CHEMISTRY, 74(11), 2159-2168, NOV 2002

---

[61] **Author(s):** **Enachescu C**; Oetliker U; Hauser A

**Title:** Photoexcitation in the spin-crossover compound [Fe(pic)(3)]Cl·2EtOH (pic=2-picolyamine)

**Source:** JOURNAL OF PHYSICAL CHEMISTRY B, 106 (37) 9540-9545 SEP 2002

---

[62] **Author(s):** **Enachescu, C**; Machado, HC; Menendez, N; Codjovi, E; Linares, J; Varret, F; Stancu, A

**Title:** Static and light induced hysteresis in spin-crossover compounds: experimental data and application of

---

[63] **Author(s): Enachescu C;** Constant-Machado H; Codjovi E; Linares J; Boukheddaden K; Varret F:  
**Title:** Direct access to the photo-excitation and relaxation terms in photo-switchable solids: non-linear aspects  
**Source:** JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, 62 (8), 1409-1422, JUL 2001

---

[64] **Author(s): Enachescu, C;** Linares, J; Varret, F:  
**Title:** Comparison of static and light-induced thermal hystereses of a spin-crossover solid, in a mean-field approach  
**Source:** JOURNAL OF PHYSICS-CONDENSED MATTER, 13 (11), 2481-2495, MAR 2001

---

[65] **Author(s):** Parreira C; **Enachescu C;** Linares J; Boukheddaden K; Varret F  
**Title:** A two-sublattice model for light-induced hysteresis in spin-crossover solids: symmetry breaking and kinetic effects  
**Source:** JOURNAL OF PHYSICS-CONDENSED MATTER, 12 (45), 9395-9406, NOV 2000

---

[66] **Author(s):** Stancu, A; Verdes, C; **Enachescu, C**  
**Title:** Generalized delta m curves for particulate recording media obtained by Fourier analysis  
**Source:** IEEE TRANSACTIONS ON MAGNETICS, 36 (1): 386-394 Part 2 JAN 2000