

## Anexa 2

Nr. crt.	NUME AUTORI	TITLUL ARTICOLULUI/ CĂRȚII / COMUNICĂRII ȘTIINȚIFICE	REVISTA / VOLUMUL/EDITURA IN CARE A APARUT / CONFERINȚA LA CARE S-A COMUNICAT	ANUL PUBLICĂRII/ COMUNICĂRII
<b>ARTICOLE ISI</b>				
1	- Enachescu Cristian - Stoleriu Laurentiu - Stancu Alexandru - Hauser Andreas	Competition Between Photo-Excitation and Relaxation in Spin Crossover Complexes in The Frame of a Mechano-Elastic Model	PHYSICAL REVIEW B, 82(10)	2010
2	- Gudyma Iurii - Maksymov Artur - Enachescu Cristian	Decay of a metastable high-spin state in spin-crossover compounds: Mean first passage time analysis	EUROPEAN PHYSICAL JOURNAL B, 78(2)	2010
3	- Stoleriu Laurentiu - Chakraborty Pradip - Hauser Andreas - Stancu Alexandru - Enachescu Cristian	Thermal hysteresis in spin-crossover compounds studied within the mechanoelastic model and its potential application to nanoparticles	PHYSICAL REVIEW B, 84(13)	2011
4	- Krivokapic, I; Chakraborty, P; Enachescu, C; Bronisz, R; Hauser, A	Low-Spin $\rightarrow$ High-Spin Relaxation Dynamics in the Highly Diluted Spin-Crossover System $[\text{Fe}_x\text{Zn}_{1-x}(\text{btr})_3](\text{ClO}_4)_2$	INORGANIC CHEMISTRY 50 (5): 1856-1861	2011
5	Enachescu Cristian - Stoleriu Laurentiu - Stancu Alexandru - Hauser Andreas	Study of the relaxation in diluted spin crossover molecular magnets in the framework of the mechano-elastic model	JOURNAL OF APPLIED PHYSICS, 109(7)	2011
6	- Enachescu Cristian - Nishino Masamichi - Miyashita Seiji - Stoleriu Laurentiu - Stancu Alexandru	Monte Carlo Metropolis study of cluster evolution in spin-crossover solids within the framework of a mechanoelastic model	PHYSICAL REVIEW B, 86(5)	2012
7	- Chakraborty Pradip - Enachescu Cristian - Walder Christophe - Bronisz Robert - Hauser Andreas	Thermal and Light-Induced Spin Switching Dynamics in the 2D Coordination Network of $\{[\text{Zn}_{1-x}\text{Fe}_x(\text{btr})_3](\text{ClO}_4)_2\}(\text{infinity})$ : The Role of Cooperative Effects	INORGANIC CHEMISTRY, 51(18)	2012
8	- Chakraborty Pradip - Enachescu Cristian - Hauser Andreas	Analysis of the Experimental Data for Pure and Diluted $[\text{Fe}_x\text{Zn}_{1-x}(\text{btr})_3](\text{ClO}_4)_2$ Spin-Crossover Solids in the Framework of a Mechanoelastic Model	EUROPEAN JOURNAL OF INORGANIC CHEMISTRY, 5-6	2013
9	- Atitoaie Alexandru - Tanasa Radu - Enachescu Cristian	Size dependent thermal hysteresis in spin crossover nanoparticles reflected within a Monte Carlo based Ising-like model	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS , 324(8)	2012
10	- Chakraborty Pradip - Pillet Sebastian - Bendeif El-Eulmi - Enachescu Cristian - Bronisz Robert - Hauser Andreas	Light-Induced Bistability in the 2D Coordination Network $\{[\text{Fe}(\text{btr})_3][\text{BF}_4]_2\}(\text{infinity})$ : Wavelength-Selective Addressing of Molecular Spin States	CHEMISTRY-A EUROPEAN JOURNAL, 19(34)	2013
11	- Ferbinteanu M; Cimpoesu F; Girtu M.; 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	INORGANIC CHEMISTRY Volume: 51 Issue: 1 Pages: 40	2012
12	Nishino, M; Nakada, T; Enachescu, C;	Crossover of the roughness exponent for interface growth in systems with long-range interactions due to lattice	PHYSICAL REVIEW B, 88, 9, 094303	2013

	Boukheddaden, K; Miyashita, S	distortion		
13	Tissot, A; Enachescu, C; Boillot, ML	Control of the thermal hysteresis of the prototypal spin-transition FeII(phen)2(NCS)2 compound via the microcrystallites environment: experiments and mechanoelastic model	JOURNAL OF MATERIALS CHEMISTRY, 22 (38):20451-2045	2012
14	Nishino, M; Enachescu, C; Miyashita, S, Rikvold, P.A.; Boukheddaden, K., Varret, F	Macroscopic nucleation phenomena in continuum media with long-range interactions	SCIENTIFIC REPORTS 1 : 162	2011
	<b>ARTICOLE ALTE BAZE DE DATE</b>			
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	<b>COMUNICARI STIINTIFICE INTERNATIONALE</b>			
1	C. Enachescu	First Order Reversal Curves method for hysteresis in materials: application on spin crossover compounds	The 13th International Balkan Workshop on Applied Physics and Materials Science	
2	A. Atitoaie, R. Tanasa, A. Stancu, C. Enachescu	, Size effects in thermal hysteresis of spin crossover nanoparticles studied by FORC diagrams within a Monte Carlo based Ising-like model	The 13th International Balkan Workshop on Applied Physics and Materials Science	
3	R. Tanasa	Switching properties in chains of magnetic hysterons	X-LAW3M International Magnetism Conference	
4	C. Enachescu	Elastic Interaction Model For Hysteresis In Spin Transition Molecular Magnets	X-LAW3M International Magnetism Conference	
5	C. Enachescu	The mechanoelastic model for spin transition materials: challenges and perspectives	Phase transition and Dynamical properties of Spin Transition Materials (PDSTM) Paris mai 2012	--
6	C. Enachescu	Size and shape dependence of spin crossover nanoparticles properties: experiments and elastic models	International Workshop on Recent Developments of Studies on Phase Transitions 2012	
7	L. Stoleriu, C. Enachescu, A. Stancu	The mechano-elastic model for the study of multicrystalline spin crossover molecular magnets	Intermag Conference 2011 – Taipei- April 2011	
8	C. Enachescu, L. Stoleriu, I. Bodale, A. Stancu	Mechano-elastic model for hysteresis in spin crossover systems	Hysteresis Modeling And Micromagnetics 2011 – Levico, Italy, May 9-11 2011	
9	A. Atitoaie, R. Tanasa, C. Enachescu	Size dependent relaxation in spin crossover compounds studied by an Ising-like model	Hysteresis Modeling And Micromagnetics 2011 – Levico, Italy, May 9-11 2011	
10	Cristian Enachescu	Spin crossover compounds: premises for fully optical memories	Correlation Optics - Corropt11 Cernauti septembrie 2011	
11	Cristian Enachescu, Laurentiu Stoleriu, Alexandru Stancu	Elastic model for the study of molecular magnets	Moscow International Symposium on Magnetism Moscova august 2011	
12	Radu Tanasa, Alexandru Stancu, Francois Varret, Jorge Linares, Epiphane Codjovi, Jean Francois Letard	Spin transition pressure pulses investigation in the perspective of a modified dynamical model	Magnetism and Magnetic Materials Conference – MMM Scottsdale SUA – noiembrie 2011	
13	Cristian Enachescu, Pradip Chakraborty, Laurentiu Stoleriu, Alexandru Stancu, Andreas	Analysis of the thermal hysteresis in spin-crossover compounds within the mechano-elastic model and its	European Conference on Molecular Magnetism Paris noiembrie 2011	

		potential application to nanoparticles		
14	Radu Tanasa, Alexandru Stancu, Francois Varret, Jorge Linares, Epiphane Codjovi, Jean Francois Letard	Theoretical and experimental spin crossover pulses study	European Conference on Molecular Magnetism Paris noiembrie 2011	
15	L. Stoleriu, C. Enachescu, A. Stancu, A. Hauser	Competition between photo-excitation and relaxation in spin crossover complexes in frame of a mechano-elastic model	The 12th International Conference on Molecule-Based Magnets, Beijing, China, October 8-12, 2010	
16	D. Cimpoesu, L. Stoleriu, A. Stancu, A. Hauser, C. Enachescu	Elastic model for size dependent relaxation in spin crossover molecular magnets	The 12th International Conference on Molecule-Based Magnets, Beijing, China, October 8-12, 2010	
17	C. Enachescu, L. Stoleriu, A. Stancu, A. Hauser, M. Nishino, S. Miyashita	New Elastic model for the study of nanosized molecular magnets	The 12th International Conference on Molecule-Based Magnets, Beijing, China, October 8-12, 2010	
18	C. Enachescu, L. Stoleriu, and A. Stancu	Impurities effects on spin crossover molecular magnets analyzed in the framework of a new elastic model	The 55th Magnetism and Magnetic Materials Conference, Atlanta, Georgia, 14-18 November 2010	
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<b>n</b>				

Director de proiect,  
Lect.univ.dr Cristian Enachescu



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