

**Lista celor 10 lucrări reprezentative prezentate în formă electronică**

- [1] Micromagnetic and Preisach analysis of the First Order Reversal Curves (FORC) diagram  
By: Stancu A, Pike C, Stoleriu L, Postolache P, Cimpoesu D  
JOURNAL OF APPLIED PHYSICS Volume: 93 Issue: 10 Pages: 6620-6622 Part: Part 2 Published: MAY 15 2003
- [2] Using experimental FORC distribution as input for a Preisach-type model  
By: Stoleriu L, Stancu A  
IEEE TRANSACTIONS ON MAGNETICS Volume: 42 Issue: 10 Pages: 3159-3161 Published: OCT 2006
- [3] Analysis of switching properties of porous ferroelectric ceramics by means of first-order reversal curve diagrams  
By: Stoleriu L, Stancu A, Mitoseriu L, Piazza D, Galassi C  
PHYSICAL REVIEW B Volume: 74 Issue: 17 Article Number: 174107 Published: NOV 2006
- [4] Model for Elastic Relaxation Phenomena in Finite 2D Hexagonal Molecular Lattices  
By: Enachescu C, Stoleriu L, Stancu A, Hauser A  
PHYSICAL REVIEW LETTERS Volume: 102 Issue: 25 Article Number: 257204 Published: JUN 26 2009
- [5] Realistic Reversible Magnetization Component in Preisach-Type Models  
By: Stoleriu L, Bodale I, Apetrei A, Stancu A  
IEEE TRANSACTIONS ON MAGNETICS Volume: 46 Issue: 6 Pages: 2341-2344 Published: JUN 2010
- [6] Thermal hysteresis in spin-crossover compounds studied within the mechanoelastic model and its potential application to nanoparticles  
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- [7] Micromagnetic analysis of switching and domain structure in amorphous metallic nanowires  
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By: Stoleriu, Laurentiu; Stancu, Alexandru; Chakraborty, Pradip; Hauser, Andreas; Enachescu, Cristian  
JOURNAL OF APPLIED PHYSICS Volume: 117 Issue: 17 Article Number: 17B307 DOI: 10.1063/1.4914953 Published: MAY 2015
- [9] Elastically driven cooperative response of a molecular material impacted by a laser pulse  
By: Bertoni, Roman; Lorenc, Maciej; Cailleau, Herve; Tissot, Antoine; Laisney, Jerome; Boillot, Marie-Laure; Stoleriu, Laurentiu; Stancu, Alexandru; Enachescu, Cristian; Collet, Eric  
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- [10] Cluster evolution in molecular three-dimensional spin-crossover systems  
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## Lista altor articole publicate în extenso în reviste cotate ISI

- [11] Lorentz magneto-resonator model and colossal magnetodielectric effect of magnetoelectric heterostructures  
By: He, Wenqiang; Wang, Wei; Luo, Xiaobin; Stoleriu, Laurentiu; Stancu, Alexandru  
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- [12] Study of magnetization reversal in layered heterostructures by vector magnetometry  
By: Markou, A.; Mourkas, A.; Koume, A.; Panagiotopoulos, I; Stoleriu, L; Stancu, A  
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- [13] Theoretical approach for elastically driven cooperative switching of spin-crossover compounds impacted by an ultrashort laser pulse  
By: Enachescu, Cristian; Stoleriu, Laurentiu; Nishino, Masamichi; et al.  
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- [14] Structural, optical and magnetic properties of Ni doped SnO<sub>2</sub> nanoparticles  
By: Pascariu (Dorneanu), Petronela; Airinei, Anton; Grigoras, Mircea; Fifere, Nicusor; Sacarescu, Liviu; Lupu, Nicoleta; Stoleriu, Laurentiu  
JOURNAL OF ALLOYS AND COMPOUNDS Volume: 668 Pages: 65-72 Published: MAY 25 2016
- [15] Shape anisotropy in zero-magnetostrictive rapidly solidified amorphous nanowires  
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Location: Alexandru Ioan Cuza Univ, Iasi, ROMANIA Date: MAY 18-20, 2015  
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- [16] Thermal hysteresis kinetic effects of spin crossover nanoparticulated systems studied by FORC diagram method on an Ising-like model  
By: Atitoaie, Alexandru; Stoleriu, Laurentiu; Tanasa, Radu; Stancu, Alexandru; Enachescu, Cristian  
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- [17] Micromagnetic Evaluation of Size Effects on the Critical Curves of Synthetic Antiferromagnetic Structures  
By: Pinzaru, Ciprian; Stoleriu, Laurentiu; Stancu, Alexandru  
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- [21] Magnetization reversal in triangular L1(0)-FePt nanoislands

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- [24] Magnetization reversal in graded anisotropy Co/Pt multilayers: A first order reversal curve study  
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By: Cristian Enachescu, Masamichi Nishino, Seiji Miyashita, Laurentiu Stoleriu, Alexandru Stancu  
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- [26] Investigation of the composition-dependent properties of BaTi<sub>1-x</sub>Zr<sub>x</sub>O<sub>3</sub> ceramics prepared by the modified Pechini method  
By: Deluca, Marco; Vasilescu, Catalina; Ianculescu, Adelina; Berger, Daniela; Ciomaga, Cristina; Curecheriu, Lavinia; Stoleriu, Laurentiu; Gajovic, Andreja; Mitoseriu, Liliana; Galassi, Carmen  
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- [27] High-field dielectric properties and Raman spectroscopic investigation of the ferroelectric-to-relaxor crossover in BaSn<sub>x</sub>Ti<sub>1-x</sub>O<sub>3</sub> ceramics  
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- [30] Reversible and Irreversible Components Evaluation in Hysteretic Processes Using First and Second-Order Magnetization Curves  
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- [31] Cluster evolution in spin crossover systems observed in the frame of a mechano-elastic model  
By: Enachescu C, Nishino M, Miyashita S, Hauser A, Stancu A, Stoleriu L  
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- [33] Monte Carlo simulations of phase transitions and lattice dynamics in an atom-phonon model for spin transition compounds  
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- [35] Rotational first-order reversal curves (rFORC) diagrams  
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- [36] Elastic Model for Complex Hysteretic Processes in Molecular Magnets  
By: Stoleriu L, Enachescu C, Stancu A, Hauser A  
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Published: NOV 2008
- [37] First order reversal curves identification procedures for vector models of hysteresis  
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- [38] Hysteresis and tunability characteristics of Ba(Zr,Ti)O-3 ceramics described by First Order Reversal Curves diagrams  
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- [40] Influence of material anisotropy in the switching toggle mode in MRAM devices  
By: Olariu CS, Stoleriu L, Stancu A  
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- [45] Influence of stoichiometry on the dielectric and ferroelectric properties of the tunable (Ba,Sr)TiO<sub>3</sub> ceramics investigated by First Order Reversal Curves method  
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- [65] Effects of magnetic layer thickness and of head-to-medium spacing on noise in advanced particulate recording media  
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