

Leonard Spinu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11558109/publications.pdf>

Version: 2024-02-01

59
papers

1,610
citations

279798

23
h-index

302126

39
g-index

63
all docs

63
docs citations

63
times ranked

2422
citing authors

#	ARTICLE	IF	CITATIONS
1	Extraordinary Hall effect and ferromagnetism in Fe-doped reduced rutile. <i>Applied Physics Letters</i> , 2003, 83, 518-520.	3.3	139
2	Superparamagnetic Iron Oxide Nanoparticles with Variable Size and an Iron Oxidation State as Prospective Imaging Agents. <i>Langmuir</i> , 2013, 29, 710-716.	3.5	135
3	Insights into the Origin of Cooperative Effects in the Spin Transition of $[\text{Fe}(\text{NH}_2)_3(\text{NO})_2]$: the Role of Supramolecular Interactions Evidenced in the Crystal Structure of $[\text{Cu}(\text{NH}_2)_3(\text{NO})_2] \cdot \text{H}_2\text{O}$. <i>Inorganic Chemistry</i> , 2010, 49, 5723-5736.	4.0	131
4	Characterization of the natural barriers of intergranular tunnel junctions: Cr ₂ O ₃ surface layers on CrO ₂ nanoparticles. <i>Applied Physics Letters</i> , 2000, 77, 2840-2842.	3.3	93
5	Room-temperature ferromagnetism in manganese doped reduced rutile titanium dioxide thin films. <i>Journal of Applied Physics</i> , 2004, 95, 7384-7386.	2.5	75
6	Ferromagnetism and transport properties of Fe-doped reduced-rutile TiO ₂ thin films. <i>Journal of Applied Physics</i> , 2003, 93, 7870-7872.	2.5	71
7	Ultrafine NiFe ₂ O ₄ powder fabricated from reverse microemulsion process. <i>Journal of Applied Physics</i> , 2003, 93, 7483-7485.	2.5	63
8	Synthesis of $\gamma\text{-Fe}_2\text{O}_3$ /polypyrrole nanocomposite materials. <i>Materials Letters</i> , 2004, 58, 3136-3140.	2.6	57
9	Interactions and reversal-field memory in complex magnetic nanowire arrays. <i>Physical Review B</i> , 2011, 84, .	3.2	56
10	Interfacial adsorption and surfactant release characteristics of magnetically functionalized halloysite nanotubes for responsive emulsions. <i>Journal of Colloid and Interface Science</i> , 2016, 463, 288-298.	9.4	51
11	Thickness dependent structural, magnetic, and electronic properties of the epitaxial films of transparent conducting oxide NiCo ₂ O ₄ . <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	49
12	Ferromagnetism in chromium-doped reduced-rutile titanium dioxide thin films. <i>Journal of Applied Physics</i> , 2004, 95, 7381-7383.	2.5	48
13	The Synthesis of Mesoporous TiO ₂ /SiO ₂ /Fe ₂ O ₃ Hybrid Particles Containing Micelle- Induced Macropores through an Aerosol Based Process. <i>Langmuir</i> , 2011, 27, 6252-6259.	3.5	47
14	Fe ^{II} Spin Transition Materials Including an Amino Ester 1,2,4-Triazole Derivative, Operating at, below, and above Room Temperature. <i>Inorganic Chemistry</i> , 2016, 55, 4278-4295.	4.0	39
15	Crystal Structure, Charge Transport, and Magnetic Properties of MnSb ₂ Se ₄ . <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 3969-3977.	2.0	37
16	Structural Distortion-Driven Cooperative Magnetic and Semiconductor to Insulator Transitions in Ferromagnetic FeSb ₂ Se ₄ . <i>Angewandte Chemie - International Edition</i> , 2010, 49, 9977-9981.	13.8	34
17	Magnetic TiO ₂ -SiO ₂ hybrid hollow spheres with TiO ₂ nanofibers on the surface and their formation mechanism. <i>Journal of Materials Chemistry</i> , 2012, 22, 17476.	6.7	33
18	Insertion of a Two-Dimensional Iron-Chloride Network between Perovskite Blocks. Synthesis and Characterization of the Layered Oxyhalide, (FeCl)LaNb ₂ O ₇ . <i>Chemistry of Materials</i> , 2003, 15, 1480-1485.	6.7	32

#	ARTICLE	IF	CITATIONS
19	Peapod-type Nanocomposites through the In Situ Growth of Gold Nanoparticles within Preformed Hexaniobate Nanoscrolls. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4614-4617.	13.8	30
20	Two-step Spin Transition in a 1D Fe ^{II} 1,2,4-triazole Chain Compound. <i>Chemistry - A European Journal</i> , 2015, 21, 5843-5855.	3.3	28
21	Unusual heavy-mass nearly ferromagnetic state with a surprisingly large Wilson ratio in the double layered ruthenates $\langle \langle S^z \rangle \rangle$. <i>Physical Review B</i> , 2008, 78, .	3.2	26
22	Modelling magnetic relaxation phenomena in fine particles systems with a Preisach model. <i>Journal of Magnetism and Magnetic Materials</i> , 1998, 189, 106-114.	2.3	25
23	Physics of complex transverse susceptibility of magnetic particulate systems. <i>Physical Review B</i> , 2007, 76, .	3.2	24
24	High-Yield Solvothermal Synthesis of Magnetic Peapod Nanocomposites via the Capture of Preformed Nanoparticles in Scrolled Nanosheets. <i>Chemistry of Materials</i> , 2013, 25, 3902-3909.	6.7	23
25	Interplay between the lattice and spin degrees of freedom in $\langle \langle S^z \rangle \rangle$. <i>Physical Review B</i> , 2010, 82, .	3.2	19
26	Microwave absorption of patterned arrays of nanosized magnetic stripes with different aspect ratios. <i>Journal of Applied Physics</i> , 2007, 101, 09J110.	2.5	17
27	Interaction Effects in Ni Nanowire Arrays. <i>IEEE Transactions on Magnetics</i> , 2008, 44, 2730-2733.	2.1	17
28	Itinerant ferromagnetism and geometrically suppressed metal-insulator transition in epitaxial thin films of Ca ₂ RuO ₄ . <i>Applied Physics Letters</i> , 2012, 100, 052401.	3.3	15
29	Exchange bias in (FeNi/IrMn) _n multilayer films evaluated by static and dynamic techniques. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 255002.	2.8	15
30	Mixed-type models of hysteresis. <i>Journal of Magnetism and Magnetic Materials</i> , 1995, 150, 124-130.	2.3	14
31	Giant negative magnetoresistance of spin polarons in magnetic semiconductors chromium-doped Ti ₂ O ₃ thin films. <i>Applied Physics Letters</i> , 2005, 86, 082509.	3.3	14
32	Structural consequences of fluoride incorporation into oxovanadium-xylyldiphosphonates with charge compensating copper(II)-imine components. <i>Inorganica Chimica Acta</i> , 2014, 411, 134-147.	2.4	13
33	Synthesis and characterization of the rare-earth DionJacobson layered perovskites, APrNb ₂ O ₇ (A = Rb, Cs and CuCl). <i>Dalton Transactions</i> , 2015, 44, 10654-10660.	3.3	13
34	Dynamic and temperature effects in toggle magnetic random access memory. <i>Journal of Applied Physics</i> , 2007, 102, 013915.	2.5	12
35	Complex electronic states in double-layered ruthenates (Sr _{1-x} Cax) ₃ Ru ₂ O ₇ . <i>Physical Review B</i> , 2009, 80, .	3.2	12
36	New rare-earth double-layered-perovskite oxyfluorides, RbLnTiNbO ₆ F (Ln = La, Pr, Nd). <i>Materials Research Bulletin</i> , 2002, 37, 133-140.	5.2	10

#	ARTICLE	IF	CITATIONS
37	Dynamic critical curve of a synthetic antiferromagnet. Applied Physics Letters, 2009, 95, 222513.	3.3	10
38	Role of spinel substrate in the morphology of BiFeO ₃ -CoFe ₂ O ₄ epitaxial nanocomposite films. Applied Physics Letters, 2011, 99, .	3.3	10
39	Measurement of the critical curve of a synthetic antiferromagnet. Applied Physics Letters, 2008, 93, 022506.	3.3	7
40	Angular resonant absorption curves in magnetic nanowire arrays. Applied Physics Letters, 2013, 102, .	3.3	7
41	Magnetization reversal in interacting magnetic systems. Journal of Applied Physics, 2005, 97, 10P106.	2.5	6
42	Splitting of Ferromagnetic Resonance Spectra in Periodically Modulated 1-D Magnonic Crystal. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	6
43	Synthesis and Characterization of [Fe(Htrz) ₂ (trz)](BF ₄) Nanocubes. Molecules, 2022, 27, 1213.	3.8	6
44	Standard problems for phenomenological Preisach-type models. Physica B: Condensed Matter, 2001, 306, 91-95.	2.7	5
45	Effect of disorder on quantum phase transition in the double layered ruthenates (Sr _{1-x} Ca _x) ₃ Ru ₂ O ₇ . Physical Review B, 2012, 86, .	3.2	5
46	Magnetic Field-Assisted Piezoelectric Force Microscopy Investigation of PbTiO ₃ /TbDyFe Bilayered Nanocomposites. IEEE Transactions on Magnetics, 2011, 47, 3939-3942.	2.1	4
47	The state dependence of the dynamic interactions in nanostructured particulate systems. Journal of Applied Physics, 2005, 97, 10J501.	2.5	3
48	Transport properties in chromium-doped Ti ₂ O ₃ thin films. Journal of Applied Physics, 2005, 97, 10D319.	2.5	3
49	Relaxation effects in interacting nanostructured particulate systems. Journal of Applied Physics, 2006, 99, 08G105.	2.5	3
50	Thermally activated transitions in a system of two single domain ferromagnetic particles. Journal of Applied Physics, 2011, 109, 07D339.	2.5	3
51	Angular dependence of resonant absorption in FeCoB synthetic antiferromagnets. AIP Advances, 2017, 7, .	1.3	3
52	Critical switching curves of FeCoB synthetic antiferromagnets. Journal Physics D: Applied Physics, 2018, 51, 055005.	2.8	3
53	Assembly of Metal-Anion Arrays within Dion-Jacobson-Type Perovskite Hosts. Materials Research Society Symposia Proceedings, 2000, 658, 851.	0.1	1
54	Templated Assembly of Metal-Anion Arrays within Layered Hosts; Synthesis and Characterization of New Transition-Metal Oxyhalide Perovskites. Materials Research Society Symposia Proceedings, 2002, 718, 1.	0.1	1

#	ARTICLE	IF	CITATIONS
55	Study of static and dynamic properties of planar dumbbell shaped structure of Ni ₈₀ Fe ₂₀ . AIP Advances, 2019, 9, 125030.	1.3	1
56	Insertion of a Two-Dimensional Iron-Chloride Network Between Perovskite Blocks. Synthesis and Characterization of the Layered Oxyhalide, (FeCl)LaNb ₂ O ₇ .. ChemInform, 2003, 34, no.	0.0	0
57	Micromagnetic Study of the Complex Transverse Susceptibility of Uniaxial Ferromagnets With Quartic Anisotropy. IEEE Transactions on Magnetics, 2007, 43, 2905-2907.	2.1	0
58	Innenr¼cktitelbild: Peapod-Type Nanocomposites through the In Situ Growth of Gold Nanoparticles within Preformed Hexaniobate Nanoscrolls (Angew. Chem. 18/2014). Angewandte Chemie, 2014, 126, 4817-4817.	2.0	0
59	Temperature dependence of exchange bias in (NiFe/IrMn) _n multilayer films studied through static and dynamic techniques. AIP Advances, 2018, 8, 056302.	1.3	0