

# Leonard Spinu

## List of Publications by Year in descending order

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59  
papers

1,610  
citations

279798

23  
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302126

39  
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63  
docs citations

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times ranked

2422  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and Characterization of [Fe(Htrz) <sub>2</sub> (trz)](BF <sub>4</sub> ) Nanocubes. <i>Molecules</i> , 2022, 27, 1213.	3.8	6
2	Study of static and dynamic properties of planar dumbbell shaped structure of Ni <sub>80</sub> Fe <sub>20</sub> . <i>AIP Advances</i> , 2019, 9, 125030.	1.3	1
3	Critical switching curves of FeCoB synthetic antiferromagnets. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 055005.	2.8	3
4	Temperature dependence of exchange bias in (NiFe/IrMn) <sub>n</sub> multilayer films studied through static and dynamic techniques. <i>AIP Advances</i> , 2018, 8, 056302.	1.3	0
5	Splitting of Ferromagnetic Resonance Spectra in Periodically Modulated 1-D Magnonic Crystal. <i>IEEE Transactions on Magnetics</i> , 2017, 53, 1-4.	2.1	6
6	Angular dependence of resonant absorption in FeCoB synthetic antiferromagnets. <i>AIP Advances</i> , 2017, 7, .	1.3	3
7	Fe <sup>II</sup> 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
8	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
9	Synthesis and characterization of the rare-earth Dion-Jacobson layered perovskites, APrNb <sub>2</sub> O <sub>7</sub> (A = Rb, Cs and CuCl). <i>Dalton Transactions</i> , 2015, 44, 10654-10660.	3.3	13
10	Two-Step Spin Transition in a 1D Fe <sup>II</sup> 1,2,4-Triazole Chain Compound. <i>Chemistry - A European Journal</i> , 2015, 21, 5843-5855.	3.3	28
11	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
12	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
13	Exchange bias in (FeNi/IrMn) <sub>n</sub> multilayer films evaluated by static and dynamic techniques. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 255002.	2.8	15
14	Innenr��cktitelbild: Peapod-Type Nanocomposites through the In Situ Growth of Gold Nanoparticles within Preformed Hexaniobate Nanoscrolls ( <i>Angew. Chem.</i> 18/2014). <i>Angewandte Chemie</i> , 2014, 126, 4817-4817.	2.0	0
15	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
16	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
17	Angular resonant absorption curves in magnetic nanowire arrays. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	7
18	Thickness dependent structural, magnetic, and electronic properties of the epitaxial films of transparent conducting oxide NiCo <sub>2</sub> O <sub>4</sub> . <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	49

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19	Effect of disorder on quantum phase transition in the double layered ruthenates $(\text{Sr}_{1-x}\text{Ca}_x)_3\text{Ru}_2\text{O}_7$ . Physical Review B, 2012, 86, .	3.2	5
20	Magnetic $\text{TiO}_2/\text{SiO}_2$ hybrid hollow spheres with $\text{TiO}_2$ nanofibers on the surface and their formation mechanism. Journal of Materials Chemistry, 2012, 22, 17476.	6.7	33
21	Itinerant ferromagnetism and geometrically suppressed metal-insulator transition in epitaxial thin films of $\text{Ca}_{2-x}\text{RuO}_4$ . Applied Physics Letters, 2012, 100, 052401.	3.3	15
22	Interactions and reversal-field memory in complex magnetic nanowire arrays. Physical Review B, 2011, 84, .	3.2	56
23	The Synthesis of Mesoporous $\text{TiO}_2/\text{SiO}_2/\text{Fe}_2\text{O}_3$ Hybrid Particles Containing Micelle- Induced Macropores through an Aerosol Based Process. Langmuir, 2011, 27, 6252-6259.	3.5	47
24	Thermally activated transitions in a system of two single domain ferromagnetic particles. Journal of Applied Physics, 2011, 109, 07D339.	2.5	3
25	Magnetic Field-Assisted Piezoelectric Force Microscopy Investigation of $\text{PbTiO}_3/\text{TbDyFe}$ Bilayered Nanocomposites. IEEE Transactions on Magnetics, 2011, 47, 3939-3942.	2.1	4
26	Crystal Structure, Charge Transport, and Magnetic Properties of $\text{MnSb}_2\text{Se}_4$ . European Journal of Inorganic Chemistry, 2011, 2011, 3969-3977.	2.0	37
27	Role of spinel substrate in the morphology of $\text{BiFeO}_3\text{-CoFe}_2\text{O}_4$ epitaxial nanocomposite films. Applied Physics Letters, 2011, 99, .	3.3	10
28	Structural Distortion Driven Cooperative Magnetic and Semiconductor to Insulator Transitions in Ferromagnetic $\text{FeSb}_2\text{Se}_4$ . Angewandte Chemie - International Edition, 2010, 49, 9977-9981.	13.8	34
29	Interplay between the lattice and spin degrees of freedom in $\text{FeSb}_2\text{Se}_4$ . Physical Review B, 2010, 82, .	3.2	19
30	Insights into the Origin of Cooperative Effects in the Spin Transition of $[\text{Fe}(\text{NH}_2)_3(\text{NO})_2]: the Role of Supramolecular Interactions Evidenced in the Crystal Structure of [\text{Cu}(\text{NH}_2)_3(\text{NO})_2]\cdot\text{H}_2\text{O}. Inorganic Chemistry, 2010, 49, 5723-5736.$	4.0	131
31	Complex electronic states in double-layered ruthenates $(\text{Sr}_{1-x}\text{Ca}_x)_3\text{Ru}_2\text{O}_7$ . Physical Review B, 2009, 80, .	3.2	12
32	Dynamic critical curve of a synthetic antiferromagnet. Applied Physics Letters, 2009, 95, 222513.	3.3	10
33	Interaction Effects in Ni Nanowire Arrays. IEEE Transactions on Magnetics, 2008, 44, 2730-2733.	2.1	17
34	Measurement of the critical curve of a synthetic antiferromagnet. Applied Physics Letters, 2008, 93, 022506.	3.3	7
35	Unusual heavy-mass nearly ferromagnetic state with a surprisingly large Wilson ratio in the double layered ruthenates $(\text{Sr}_{1-x}\text{Ca}_x)_3\text{Ru}_2\text{O}_7$ . Physical Review B, 2008, 78, .	3.2	26
36	Microwave absorption of patterned arrays of nanosized magnetic stripes with different aspect ratios. Journal of Applied Physics, 2007, 101, 09J110.	2.5	17

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37	Physics of complex transverse susceptibility of magnetic particulate systems. Physical Review B, 2007, 76, .	3.2	24
38	Dynamic and temperature effects in toggle magnetic random access memory. Journal of Applied Physics, 2007, 102, 013915.	2.5	12
39	Micromagnetic Study of the Complex Transverse Susceptibility of Uniaxial Ferromagnets With Quartic Anisotropy. IEEE Transactions on Magnetics, 2007, 43, 2905-2907.	2.1	0
40	Relaxation effects in interacting nanostructured particulate systems. Journal of Applied Physics, 2006, 99, 08G105.	2.5	3
41	The state dependence of the dynamic interactions in nanostructured particulate systems. Journal of Applied Physics, 2005, 97, 10J501.	2.5	3
42	Magnetization reversal in interacting magnetic systems. Journal of Applied Physics, 2005, 97, 10P106.	2.5	6
43	Giant negative magnetoresistance of spin polarons in magnetic semiconductors—chromium-doped TiO <sub>3</sub> thin films. Applied Physics Letters, 2005, 86, 082509.	3.3	14
44	Transport properties in chromium-doped TiO <sub>3</sub> thin films. Journal of Applied Physics, 2005, 97, 10D319.	2.5	3
45	Room-temperature ferromagnetism in manganese doped reduced rutile titanium dioxide thin films. Journal of Applied Physics, 2004, 95, 7384-7386.	2.5	75
46	Ferromagnetism in chromium-doped reduced-rutile titanium dioxide thin films. Journal of Applied Physics, 2004, 95, 7381-7383.	2.5	48
47	Synthesis of <sup>57</sup> Fe-Fe <sub>2</sub> O <sub>3</sub> /polypyrrole nanocomposite materials. Materials Letters, 2004, 58, 3136-3140.	2.6	57
48	Insertion of a Two-Dimensional Iron-Chloride Network Between Perovskite Blocks. Synthesis and Characterization of the Layered Oxyhalide, (FeCl)LaNb <sub>2</sub> O <sub>7</sub> . ChemInform, 2003, 34, no.	0.0	0
49	Insertion of a Two-Dimensional Iron-Chloride Network between Perovskite Blocks. Synthesis and Characterization of the Layered Oxyhalide, (FeCl)LaNb <sub>2</sub> O <sub>7</sub> . Chemistry of Materials, 2003, 15, 1480-1485.	6.7	32
50	Ferromagnetism and transport properties of Fe-doped reduced-rutile TiO <sub>2</sub> thin films. Journal of Applied Physics, 2003, 93, 7870-7872.	2.5	71
51	Extraordinary Hall effect and ferromagnetism in Fe-doped reduced rutile. Applied Physics Letters, 2003, 83, 518-520.	3.3	139
52	Ultrafine NiFe <sub>2</sub> O <sub>4</sub> powder fabricated from reverse microemulsion process. Journal of Applied Physics, 2003, 93, 7483-7485.	2.5	63
53	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
54	New rare-earth double-layered-perovskite oxyfluorides, RbLnTiNbO <sub>6</sub> F (Ln = La, Pr, Nd). Materials Research Bulletin, 2002, 37, 133-140.	5.2	10

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55	Standard problems for phenomenological Preisach-type models. <i>Physica B: Condensed Matter</i> , 2001, 306, 91-95.	2.7	5
56	Assembly of Metal-Anion Arrays within Dion-Jacobson-Type Perovskite Hosts. <i>Materials Research Society Symposia Proceedings</i> , 2000, 658, 851.	0.1	1
57	Characterization of the natural barriers of intergranular tunnel junctions: Cr <sub>2</sub> O <sub>3</sub> surface layers on CrO <sub>2</sub> nanoparticles. <i>Applied Physics Letters</i> , 2000, 77, 2840-2842.	3.3	93
58	Modelling magnetic relaxation phenomena in fine particles systems with a Preisach-Åel model. <i>Journal of Magnetism and Magnetic Materials</i> , 1998, 189, 106-114.	2.3	25
59	Mixed-type models of hysteresis. <i>Journal of Magnetism and Magnetic Materials</i> , 1995, 150, 124-130.	2.3	14