Ivan Fita

List of Publications by Year
in descending order

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77 papers	1,411 citations	331259 21 h-index	377514 34 g-index
77 all docs	77 docs citations	77 times ranked	1276 citing authors

#	Article	IF	Citations
1	Temperature-driven spin switching and exchange bias in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>ErFeO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math> ferrimagnet. Physical Review B, 2022, 105, .	1.1	11
2	Pressure-tuned spin switching in compensated <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>GdCr</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> ferrimagnet. Physical Review B, 2021, 103, .	1.1	9
3	Spin reorientation and accompanying exchange bias collapse in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">G</mml:mi><mml:msub><mml:mi mathvariant="normal">d</mml:mi><mml:mrow><mml:mn>0.5</mml:mn></mml:mrow></mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:msub><mml:mi	1.1	3
4	Spin switching and unusual exchange bias in the single-crystalline <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>GdCr</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> compensated ferrimagnet. Physical Review B, 2019, 100, .	1.1	23
5	Magnetic order in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>ErFe</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>	1.1	16
6	Reversed exchange bias effect associated with magnetization reversal in the weak ferrimagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>LuFe</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>	1.1	30
7	Magnetic phase diagram of the disordered cobaltite <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">G</mml:mi><mml:msub><mml:mi mathvariant="normal">d</mml:mi><mml:mrow><mml:mn>0.5</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:mrow><mml:mn>0.5</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mi	1.1	12
8	Common exchange-biased spin switching mechanism in orthoferrites. Physical Review B, 2018, 98, .	1.1	37
9	Doping-Dependent Magnetism and Exchange Bias in CaMn1â€“<italic>x</italic>Re<italic>x</italic>O3. IEEE Transactions on Magnetics, 2017, 53, 1-5.	1.2	2
10	Exchange bias effect in CaMn?â^'?Re?O3. AIP Advances, 2017, 7, 055801.	0.6	2
11	Phase transitions and magnetic properties of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>LuFe</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> under pressure. Physical Review B, 2017, 96,	1.1	4
12	Competing exchange bias and field-induced ferromagnetism in La-doped <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>BaFe</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2017, 95, .	1.1	16
13	Exchange bias training effect in phase separated polycrystalline Sm0.1Ca0.7Sr0.2MnO3. Materials Chemistry and Physics, 2016, 184, 49-56.	2.0	7
14	Exchange-bias reversal in magnetically compensated<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>ErFe</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>single crystal. Physical Review B, 2016, 93, .	1.1	42
15	Exchange bias driven by the structural/magnetic transition in Mn-doped SrRuO3. Ceramics International, 2016, 42, 8453-8459.	2.3	7
16	Evolution of magnetic properties of CaMn1â^'xNbxO3with Nb-doping. Journal Physics D: Applied Physics, 2015, 48, 325003.	1.3	6
17	Exchange bias effect in CaMn0.9Nb0.1O3. Materials Chemistry and Physics, 2015, 164, 170-176.	2.0	1
18	Unconventional exchange bias effect driven by phase separation in basically antiferromagnetic Sm0.1Ca0.6Sr0.3MnO3. Journal of Alloys and Compounds, 2015, 622, 213-218.	2.8	4

#	Article	IF	Citations
19	Non-equilibrium magnetic properties of Sm0.43Ca0.57MnO3 nanoparticles. Journal of Alloys and Compounds, 2014, 602, 204-209.	2.8	1
20	Particle Size Effects on Charge Ordering and Exchange Bias in Nanosized Sm_{0.43}Ca_{0.57}MnO₃. Journal of Physical Chemistry C, 2014, 118, 7721-7729.	1.5	13
21	Doping dependent magnetism and exchange bias in CaMn1âˆ'xWxO3manganites. Journal of Applied Physics, 2014, 116, 093903.	1.1	11
22	Size-dependent magnetism and exchange bias effect in Sm0.27Ca0.73MnO3 nanoparticles. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	9
23	Pressure-tuned exchange bias and coercivity in Ru-doped CaMnO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>. Physical Review B, 2013, 88, .	1.1	17
24	Irreversibility, remanence, and Griffiths phase in Sm0.1Ca0.9MnO3 nanoparticles. Journal of Applied Physics, 2013, 113, .	1.1	18
25	Pressure enhanced ferromagnetism and suppressed exchange bias in La0.9Ba0.1CoO3 cobaltite. Journal of Applied Physics, 2013, 114, 153910.	1.1	5
26	Anomalous Magnetic Behavior of Sm_{0.8}Ca_{0.2}MnO₃ Nanoparticles. Journal of Nanoscience and Nanotechnology, 2012, 12, 8613-8618.	0.9	1
27	Nanometer Size Effect on Structural and Magnetic Properties of La0.2Ca0.8MnO3. Journal of Nanoscience and Nanotechnology, 2012, 12, 8607-8612.	0.9	3
28	Pressure effect on Bi0.4Ca0.6Mn1âˆ'xRuxO3 manganite: Enhanced ferromagnetism and collapsed exchange bias. Journal of Applied Physics, 2012, 112, .	1.1	6
29	Pressure-induced exchange bias effect in phase-separated CaMn0.9Ru0.1O3. Journal of Applied Physics, 2012, 111, 113908.	1.1	8
30	Magnetic properties of Sm0.1Ca0.9MnO3 nanoparticles. Journal of Applied Physics, 2012, 112, 063921.	1.1	12
31	Nanometer Size Effect on Magnetic Properties of Sm_{0.8}Ca_{0.2}MnO₃ Nanoparticles. Journal of Physical Chemistry C, 2012, 116, 435-447.	1.5	11
32	Exchange Bias Effect in La_{0.2}Ca_{0.8}MnO₃ Antiferromagnetic Nanoparticles with Two Ferromagnetic-Like Contributions. Journal of Physical Chemistry C, 2011, 115, 1582-1591.	1.5	27
33	Magnetic state of La<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>âˆ'</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:m xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:math>CoO<mml:math	1.1	25
34	Glassy Behavior of La0.8Ca0.2MnO3 Nanoparticles. Journal of Superconductivity and Novel Magnetism, 2011, 24, 861-865.	0.8	6
35	Magnetotransport properties of ferromagnetic LaMnO3+Î´ nano-sized crystals. Journal of Magnetism and Magnetic Materials, 2010, 322, 1311-1314.	1.0	17
36	Spin-glass-like properties of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>La</mml:mtext></mml:mrow><mml:mrow><mml:mn>0.8 ensembles. Physical Review B, 2010, 81, .	1.1	98

#	ARTICLE	IF	CITATIONS
37	Size-dependent spin state and ferromagnetism in La0.8Ca0.2CoO3 nanoparticles. Journal of Applied Physics, 2010, 108, 063907.	1.1	17
38	Size effect on the magnetic properties of antiferromagnetic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>La</mml:mtext></mml:mrow><mml:mrow><mml:mn>0.2</mml:m Physical Review B, 2010, 81, .	1.1	61
39	Size-driven magnetic transitions in La1/3Ca2/3MnO3 nanoparticles. Journal of Applied Physics, 2010, 108, .	1.1	18
40	Pressure effect on magnetic and structural properties of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>La</mml:mtext></mml:mrow><mml:mrow><mml:mn>1</mml:mn Physical Review B, 2009, 79, .	1.1	17
41	The effect of Ni doping on the magnetic and transport properties in Pr0.5Ca0.5Mn1â^'xNixO3 manganites. Journal of Applied Physics, 2009, 106, .	1.1	15
42	Effect of particle size on magnetic properties of nanoparticles. Superlattices and Microstructures, 2008, 44, 476-482.	1.4	13
43	Surface and exchange-bias effects in compacted<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi>CaMnO</mml:mi><mml:mrow><mml:mn>3</mml:mn><mml:mo>â^'</mml:mo> Physical Review B, 2008, 77, .	1.1	60
44	Pressure-induced suppression of ferromagnetic phase in LaCoO3 nanoparticles. Journal of Non-Crystalline Solids, 2008, 354, 5204-5206.	1.5	5
45	Size- and pressure-controlled ferromagnetism inLaCoO3nanoparticles. Physical Review B, 2008, 77, .	1.1	46
46	Magnetotransport in granular LaMnO_{3+Î´}manganite with nano-sized particles. Journal Physics D: Applied Physics, 2008, 41, 185001.	1.3	29
47	Magnetic and Transport Properties of Ni Doped Pr0.5Ca0.5Mn1-xNixO3-Î´. Materials Research Society Symposia Proceedings, 2008, 1118, 2.	0.1	1
48	Metastable diamagnetic response of20nmLa1â^'xMnO3particles. Physical Review B, 2008, 77, .	1.1	10
49	Magnetic properties of electron doped Sm0.1Ca0.9â^'yBayMnO3 (y=0.02,â€,0.06) manganites: Pressure effects on competitive ferromagnetic and antiferromagnetic interactions. Journal of Applied Physics, 2008, 104, 043921.	1.1	5
50	Magnetic properties of nanocrystalline La_{1â^'x}MnO_{3+Î´}manganites: size effects. Journal of Physics Condensed Matter, 2007, 19, 346210.	0.7	44
51	Pressure effect on magnetism in phase-separated Cr-doped Pr0.5Ca0.5Mn1â^'xCrxO3 manganites. Journal of Magnetism and Magnetic Materials, 2007, 316, e636-e639.	1.0	5
52	Instability of magnetism inPr0.5Ca0.5Mn1â^'xCrxO3(x=0.015,0.03): Competition between pressure and thermal cycling effects. Physical Review B, 2006, 73, .	1.1	20
53	Pressure effect on the magnetic properties of electron-doped Sm0.1Ca0.9â^'ySryMnO3(y= 0â€“0.3) manganites. Journal of Physics Condensed Matter, 2006, 18, 9201-9214.	0.7	9
54	Interplay between itinerant and localized states inCaMn1â^'xRuxO3(xâ©½0.5)manganites. Physical Review B, 2006, 73, .	1.1	16

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55	Volume expansion contribution to the magnetism of atomically disordered intermetallic alloys. Physical Review B, 2006, 74, .	1.1	59
56	Metastable diamagnetism in the manganiteSm0.1Ca0.84Sr0.06MnO3. Physical Review B, 2006, 74, .	1.1	7
57	Pressure-induced suppression of ferromagnetic phase and conduction in CaMn1â^'xRuxO3. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 898-901.	1.0	2
58	Pressure effects on magnetic and transport properties of electron-dopedLa1â^'xCaxMnO3(x=0.8,0.9). Physical Review B, 2005, 71, .	1.1	17
59	Pressure effects on the magnetic and transport properties ofPr1â^'xSrxMnO3crystals near the percolation threshold. Physical Review B, 2005, 71, .	1.1	36
60	Pressure-tuned spin state and ferromagnetism inLa1â^'xMxCoO3(M=Ca,Sr). Physical Review B, 2005, 71, .	1.1	57
61	Effect of pressure on magnetic and transport properties ofCaMn1â^'xRuxO3(x=0â€“0.15):â€,Collapse of ferromagnetic phase inCaMn0.9Ru0.1O3. Physical Review B, 2004, 70, .	1.1	31
62	Vacancies at Mn-sites in LaMn1â^'xO3 manganites: Interplay between ferromagnetic interactions and hydrostatic pressure. Journal of Applied Physics, 2004, 95, 7112-7114.	1.1	17
63	Magnetic and transport properties of Pr0.8Ca0.2MnO3 crystal. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1792-1793.	1.0	2
64	Pressure effects on magnetic and transport properties of La0.8Ca0.2MnO3 single crystal. Journal of Magnetism and Magnetic Materials, 2003, 264, 70-74.	1.0	2
65	Magnetic, transport, and electron magnetic resonance properties ofPr0.8Ca0.2MnO3single crystals. Physical Review B, 2003, 68, .	1.1	29
66	Magnetic, electric and electron magnetic resonance properties of orthorhombic self-doped La1ÂxMnO3single crystals. Journal of Physics Condensed Matter, 2003, 15, 3985-4000.	0.7	21
67	Ferromagnetism and metallicity inSm0.2Ca0.8Mn1â^'xRuxO3(x=0â€“0.08):Interplay between Ru doping and hydrostatic pressure. Physical Review B, 2002, 65, .	1.1	25
68	On the magnetic and superconducting properties of Ru[sub 1â^'x]Sr[sub 2]RECu[sub 2+x]O[sub 8â^'d], RE=Gd, Eu, compounds. Journal of Applied Physics, 2002, 91, 7134.	1.1	2
69	Magnetic, transport, and electron magnetic resonance properties ofLa0.82Ca0.18MnO3single crystals. Physical Review B, 2002, 65, .	1.1	67
70	Magnetization and ac susceptibility studies of the magnetic phase separation inLa0.8Ca0.2MnO3andLa0.78Ca0.22MnO3single crystals. Physical Review B, 2002, 66, .	1.1	60
71	Canted spin structure in clusters of the (La0.7Ca0.3)1â^'xMn1+xO3 perovskites. Journal of Magnetism and Magnetic Materials, 2002, 246, 40-53.	1.0	25
72	<title>Effect of pressure and magnetic field on the phase transitions in lanthanum-deficient manganites</title>. , 2001, 4412, 276.		0

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73	Effect of pressure on the magnetic and transport properties of the ferrimagnetic semiconductor FeCr2S4. Journal of Applied Physics, 2001, 90, 875-881.	1.1	24
74	Magnetic structure of ground state of the KDy(WO4)2 single crystal. Journal of Magnetism and Magnetic Materials, 1999, 195, 119-124.	1.0	6
75	Insulator-superconductor transition in NdBa2Cu3O6.67 ceramics under pressure. Physica C: Superconductivity and Its Applications, 1997, 276, 245-250.	0.6	11
76	Pressure effect on superconducting properties ofReBa 1.5 Sr 0.5 Cu 3 O 6+x ceramics. European Physical Journal D, 1996, 46, 1193-1194.	0.4	0
77	Pressure-induced oxygen-ordering processes in GdBa1.5Sr0.5Cu3O6+x. Physica C: Superconductivity and Its Applications, 1996, 267, 313-320.	0.6	10