

S Srinath

List of Publications by Year in descending order

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52
papers

1,589
citations

331670

21
h-index

302126

39
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52
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52
docs citations

52
times ranked

1799
citing authors

#	ARTICLE	IF	CITATIONS
1	Spontaneous magnetic moment in BiFeO ₃ –BaTiO ₃ solid solutions at low temperatures. Journal of Magnetism and Magnetic Materials, 1998, 188, 203-212.	2.3	217
2	Improved magnetic properties of Cr ³⁺ doped SrFe ₁₂ O ₁₉ synthesized via microwave hydrothermal route. Materials Research Bulletin, 2015, 63, 58-66.	5.2	150
3	Magnetocaloric effect in ferrite nanoparticles. Journal of Magnetism and Magnetic Materials, 2006, 307, 227-231.	2.3	132
4	Effect of La substitution on structure and magnetic properties of sol-gel prepared BiFeO ₃ . Journal of Applied Physics, 2013, 113, .	2.5	91
5	Effect of Gd ³⁺ on dielectric and magnetic properties of Y ₃ Fe ₅ O ₁₂ . Journal of Magnetism and Magnetic Materials, 2014, 349, 45-50.	2.3	68
6	Observation of high coercivity in multiferroic lanthanum doped BiFeO ₃ . Journal of Alloys and Compounds, 2013, 554, 271-276.	5.5	66
7	Effect of synthesis route on the multiferroic properties of BiFeO ₃ : A comparative study between solid state and sol-gel methods. Journal of Alloys and Compounds, 2015, 649, 843-850.	5.5	64
8	Field dependence of the magnetocaloric effect in core-shell nanoparticles. Journal of Applied Physics, 2010, 107, .	2.5	58
9	Role of (La, Gd) co-doping on the enhanced dielectric and magnetic properties of BiFeO ₃ ceramics. Ceramics International, 2016, 42, 4176-4184.	4.8	57
10	Preparation of Nearly Monodisperse Nickel Nanoparticles by a Facile Solution Based Methodology and Their Ordered Assemblies. Journal of Physical Chemistry C, 2009, 113, 3426-3429.	3.1	54
11	Magnetic Transition and Large Magnetocaloric Effect Associated with Surface Spin Disorder in Co and Co _{core} Ag _{shell} Nanoparticles. Journal of Physical Chemistry C, 2007, 111, 14060-14066.	3.1	52
12	Effect of Ho substitution on structure and magnetic properties of BiFeO ₃ . Journal of Applied Physics, 2014, 115, .	2.5	48
13	Magnetization and magnetoresistance in insulating phases of SrFeO ₃ . Physical Review B, 2005, 72, .	3.2	45
14	Gadolinium: A helical antiferromagnet or a collinear ferromagnet. Physical Review B, 2000, 62, 1114-1117.	3.2	43
15	Magnetic anisotropy in epitaxial CrO ₂ and CrO ₂ •Cr ₂ O ₃ bilayer thin films. Physical Review B, 2006, 74, .	3.2	40
16	Observation of isotropic dipolar to uniaxial dipolar crossover in gadolinium. Physical Review B, 1999, 59, 1145-1151.	3.2	37
17	Isotropic-Heisenberg to isotropic-dipolar crossover in amorphous ferromagnets with composition near the percolation threshold. Physical Review B, 2000, 62, 11649-11660.	3.2	35
18	Static universality class for gadolinium. Physical Review B, 1999, 60, 12166-12176.	3.2	33

#	ARTICLE	IF	CITATIONS
19	Irreversibility lines in the H-T phase diagram of re-entrant amorphous ferromagnets. Journal of Physics Condensed Matter, 1998, 10, 11067-11080.	1.8	24
20	Study of structure and magnetic properties of rare earth doped BiFeO ₃ . Physica B: Condensed Matter, 2014, 448, 281-284.	2.7	24
21	Uniaxial anisotropy, intrinsic and extrinsic damping in Co ₂ FeSi Heusler alloy thin films. Journal Physics D: Applied Physics, 2019, 52, 325002.	2.8	24
22	Evidence for the absence of electron-electron Coulomb interaction quantum correction to the anomalous Hall effect in Co ₂ MnSi Heusler-alloy thin films. Physical Review B, 2017, 96, .	3.2	22
23	Effect of TiO ₂ on electrical and magnetic properties of Ni _{0.35} Cu _{0.12} Zn _{0.35} Fe ₂ O ₄ synthesized by the microwave-hydrothermal method. Journal of Physics and Chemistry of Solids, 2013, 74, 1329-1335.	4.0	21
24	Magnetization in insulating phases of Ti ⁴⁺ -doped SrFeO ₃ . Journal of Applied Physics, 2006, 99, 08S904.	2.5	20
25	The effect of Sb on the electrical and magnetic properties of Ni-Zn ferrites prepared by sol-gel autocombustion method. Journal of Electroceramics, 2013, 31, 168-175.	2.0	17
26	A Comparative Study Of Sol-gel And Solid-state Prepared La ³⁺ Doped Multiferroic BiFeO ₃ . Advanced Materials Letters, 2014, 5, 127-130.	0.6	13
27	Positive temperature coefficient of resistance of tetragonal Ti ⁴⁺ doped nano SrFeO ₃ . Journal of Alloys and Compounds, 2013, 561, 174-179.	5.5	11
28	Correlation between structural, magnetic and transport properties of Co ₂ FeSi thin films. Journal Physics D: Applied Physics, 2016, 49, 065007.	2.8	11
29	Effect of disorder on the anomalous Hall conductivity of Co ₂ FeSi thin films. Journal of Magnetism and Magnetic Materials, 2018, 448, 371-377.	2.3	11
30	Lattice effects on the multiferroic characteristics of (La, Ho) co-substituted BiFeO ₃ . Journal of Alloys and Compounds, 2021, 863, 158719.	5.5	11
31	Exchange bias effect in Ti doped nanocrystalline SrFeO ₃ . AIP Advances, 2014, 4, .	1.3	10
32	Effect of progressive substitution of Lu by Ho on the structural and dielectric properties of nanocrystalline LuFeO ₃ orthoferrite. Materials Research Bulletin, 2022, 145, 111570.	5.2	10
33	Diffusion contribution to anomalous Hall effect in disordered Co ₂ FeSi thin films. Journal of Magnetism and Magnetic Materials, 2019, 481, 194-202.	2.3	9
34	Evidence for dipolar effects in re-entrant amorphous ferromagnets. Europhysics Letters, 2000, 51, 441-446.	2.0	7
35	Probing Magnetic Anisotropy and Spin Polarization in Spintronic Materials. IEEE Nanotechnology Magazine, 2005, 4, 59-64.	2.0	7
36	Crystal Structure and Enhanced Dielectric, Magnetic Properties of Gd Doped BiFeO ₃ . Ceramics. Materials Focus, 2013, 2, 201-208.	0.4	7

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37	Magnon-fracton crossover in quenched random site-diluted ferromagnets. Physical Review B, 2001, 63, .	3.2	6
38	SrFe _{0.9} Ti _{0.1} O ₃ : A cluster spin glass. Materials Research Bulletin, 2014, 51, 332-335.	5.2	6
39	Structural and magnetic properties of nanocrystalline Y ₃ Fe ₅ O ₁₂ using co-precipitation method. AIP Conference Proceedings, 2012, , .	0.4	5
40	Neutron diffraction studies and magnetism in Ti doped SrFeO ₃ systems. Journal of Applied Physics, 2014, 115, 103904.	2.5	4
41	Magneto-optical Kerr microscopy investigation of magnetization reversal in Co ₂ FeSi Heusler alloy thin films. AIP Advances, 2020, 10, 065017.	1.3	4
42	Robust perpendicular magnetic anisotropy in Ce substituted yttrium iron garnet epitaxial thin films. Journal of Applied Physics, 2022, 131, 203901.	2.5	3
43	Investigation of magnetic anisotropy in Co nanoparticles using ferromagnetic resonance technique. Journal of Physics: Conference Series, 2010, 200, 072088.	0.4	2
44	Magnetization and Neutron Diffraction Studies on Nanocrystalline Tetragonal SrFeO ₃ . Journal of Superconductivity and Novel Magnetism, 2017, 30, 3155-3159.	1.8	2
45	Effect of La doping on dielectric and magnetic properties of room temperature multiferroic LuFeO ₃ . AIP Conference Proceedings, 2018, , .	0.4	2
46	Exchange Bias in CrO ₂ /CrO ₂ O ₃ Bilayer Thin Films. Advances in Science and Technology, 2006, 45, 2528-2533.	0.2	1
47	Magnetic Anisotropy and Magnetocaloric Effect (MCE) in NiFe ₂ O ₄ Nanoparticles. Materials Research Society Symposia Proceedings, 2006, 962, 1.	0.1	1
48	Static and Dynamic Magnetic Properties of Co Nanoparticles. Journal of Nanoscience and Nanotechnology, 2008, 8, 4086-4091.	0.9	1
49	Observation of negative magneto-resistance in SrFe _{1-x} Ti _x O ₃ (x=0 to 0.3) systems. Journal of Applied Physics, 2014, 116, 093711.	2.5	1
50	Phase stability of BaZr _{0.2} Ti _{0.8} O ₃ and La _{0.8} Sr _{0.2} MnO ₃ phases in the ceramic composite under conventional sintering. Materials Today: Proceedings, 2020, 28, 290-293.	1.8	1
51	Structural, dielectric and electro-caloric properties of Ba(Ti,Zr)O ₃ -(La,Sr)MnO ₃ composite multiferroic. AIP Advances, 2022, 12, .	1.3	1
52	Magnetic, dielectric and structural properties of nanocrystalline Lu _{1-x} HoxFeO ₃ orthoferrite solid solutions. Journal of Alloys and Compounds, 2022, , 164145.	5.5	0