

Suryanarayana Jammalamadaka

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Analog Resistive Switching in Reduced Graphene Oxide and Chitosan-Based Bio-Resistive Random Access Memory Device for Neuromorphic Computing Applications. <i>Physica Status Solidi - Rapid Research Letters</i> , 2022, 16, 2100465.	2.4	9
2	Thickness-Dependent Magnetostatic Interactions and Domain State Configuration in $\text{Fe}_{2-x}\text{Co}_x\text{Si}$ Thin Films—FORC Analysis. <i>IEEE Transactions on Magnetics</i> , 2022, 58, 1-6.	2.1	3
3	Metamagnetic Transitions and Magnetocaloric Properties of $\text{HoCr}_{1-x}\text{Fe}_x\text{O}_3$ ($x=0.25$ and 0.75) Compounds. <i>Journal of Superconductivity and Novel Magnetism</i> , 2022, 35, 2057-2067.	1.8	1
4	Ferromagnetic Thickness Variation Exchange Bias in $\text{IrMn}(111)/\text{Fe}_2\text{CoSi}$ Hybrid Structure. <i>Journal of Superconductivity and Novel Magnetism</i> , 2022, 35, 1313-1319.	1.8	3
5	Pseudo magnetic properties and evidence for vortex state in Fe_2NiGe Heusler alloy thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 556, 169401.	2.3	1
6	Anomalous domain wall dynamics in $\text{Ir}_{50}\text{Mn}_{50}/\text{Fe}_2\text{CoSi}$ bilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 560, 169656.	2.3	0
7	Thickness dependent domain wall dynamics in Fe_2CoSi thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 521, 167528.	2.3	5
8	Graphene oxide based synaptic memristor device for neuromorphic computing. <i>Nanotechnology</i> , 2021, 32, 155701.	2.6	42
9	Spin transfer torque Bias (STTB) due to domain wall resistance in an infinitely long ferromagnetic nanowire. <i>Nanotechnology</i> , 2021, , .	2.6	1
10	Effect of sputtering power on the first order magnetization reversal, reversible and irreversible process in $\text{Fe}_{71}\text{Ga}_{29}$ thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 536, 168107.	2.3	5
11	Effect of Low Substrate Temperature on the Magnetic Properties and Domain Structure of $\text{Fe}_{1-x}\text{Ga}_x$ Thin Films. <i>IEEE Transactions on Magnetics</i> , 2020, 56, 1-9.	2.1	4
12	Bipolar resistive switching in HoCrO_3 thin films. <i>Nanotechnology</i> , 2020, 31, 355202.	2.6	9
13	Magnetic properties and domain imaging of $\text{Fe}_{70}\text{Ga}_{30}$ films. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0
14	Detection of bovine serum albumin using hybrid TiO_2 + graphene oxide based Bio-resistive random access memory device. <i>Scientific Reports</i> , 2019, 9, 16141.	3.3	29
15	Demagnetization field driven charge transport in a TiO_2 based dye sensitized solar cell. <i>Solar Energy</i> , 2019, 187, 281-289.	6.1	18
16	Preparation of folic acid conjugated hematite nanoparticles using high energy ball milling for biomedical applications. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	1
17	Structural and spectroscopic studies on $\text{HoCr}_{1-x}\text{Fe}_x\text{O}_3$ ($x = 0$ and 0.5) compounds. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	2
18	Magnetic and optical effects in TiO_2 based dye sensitized solar cells. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0

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37	Dynamic response of exchange bias in graphene nanoribbons. Applied Physics Letters, 2012, 101, 142402.	3.3	4
38	Magnetocaloric effect and nature of magnetic transition in nanoscale Pr _{0.5} Ca _{0.5} MnO ₃ . Journal of Applied Physics, 2012, 112, .	2.5	10
39	Oscillatory exchange bias and training effects in nanocrystalline Pr _{0.5} Ca _{0.5} MnO ₃ . AIP Advances, 2012, 2, .	1.3	12
40	Ferromagnetism in Graphene Nanoribbons: Split versus Oxidative Unzipped Ribbons. Nano Letters, 2012, 12, 1210-1217.	9.1	92
41	Magnetic field control of hysteretic switching in Co/Al ₂ O ₃ multilayers by carrier injection. AIP Advances, 2011, 1, .	1.3	4
42	Martensite-like transition and spin-glass behavior in nanocrystalline Pr _{0.5} Ca _{0.5} MnO ₃ . AIP Advances, 2011, 1, .	1.3	16
43	Magnetostriction and anisotropy compensation in Tb _x Dy _{0.9-\hat{x}} Nd _{0.1} Fe _{1.93} \hat{e} [0.2 $\hat{\%}$ \hat{x} 0.4]. Applied Physics Letters, 2010, 97, .	3.3	39
44	Magnetic ordering in the fine particles of some bulk Pauli paramagnets. Physical Review B, 2009, 80, .	3.2	6
45	Insensitivity of magnetic anomalies in Sr ₃ NiPtO ₆ to positive and negative pressures. Journal of Alloys and Compounds, 2009, 484, 50-53.	5.5	4
46	Enhancement of positive magnetoresistance following a magnetic-field-induced ferromagnetic transition in the intermetallic compound $\text{Tb}_{x}\text{Co}_{1.67}\text{Si}_{3}$ Physical Review B, 2009, 79, .	3.2	28
47	Magnetic behavior of nanocrystalline LaMn ₂ Ge ₂ . Journal of Magnetism and Magnetic Materials, 2008, 320, L129-L131.	2.3	5
48	Magnetic anomalies in a new manganocuprate Gd ₃ Ba ₂ Mn ₂ Cu ₂ O ₁₂ . Solid State Communications, 2008, 147, 353-356.	1.9	2
49	Room temperature soft ferromagnetism in the nanocrystalline form of YCo ₂ , A well-known bulk Pauli paramagnet. Applied Physics Letters, 2008, 92, .	3.3	13
50	Magnetic anomalies in Gd ₆ Co _{1.67} Si ₃ and Tb ₆ Co _{1.67} Si ₃ . Journal of Physics Condensed Matter, 2008, 20, 425204.	1.8	19
51	Stability of the geometrically frustrated magnetic state of Ca ₃ CoRhO ₆ to applications of positive and negative pressure. Journal of Physics Condensed Matter, 2008, 20, 255247.	1.8	4
52	Development of a magnetostriuctive transducer for nondestructive testing of concrete structures. Applied Physics Letters, 2008, 92, 044102.	3.3	16
53	Magnetic anomalies in Nd ₆ A first-order transition in the low-temperature isothermal magnetization behavior. Physical Review B, 2008, 78, .	3.2	12
54	Magnetic properties of Tb _{0.28} Dy _{0.57} Ho _{0.15} Fe ₂ xMnx (x=0,0.05,0.1,0.15,0.2). Journal of Applied Physics, 2007, 101, 09C504.	2.5	11

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55	Enhanced magnetocaloric effect in single crystalline Nd _{0.5} Sr _{0.5} MnO ₃ . Journal of Applied Physics, 2007, 101, 09C506.	2.5	18
56	Effect of B on the microstructure and magnetostriction of zoned Dy _{0.7} Tb _{0.3} Fe _{1.95} . Journal of Applied Physics, 2007, 101, 09C512.	2.5	3
57	Magnetotransport properties of Ba ₂ MnRuO ₆ and LaBaMnRuO ₆ . IEEE Transactions on Magnetics, 2007, 43, 3076-3078.	2.1	9
58	Formation of Metastable TbFe ₅ Phase by Mechanical Alloying. IEEE Transactions on Magnetics, 2006, 42, 2793-2795.	2.1	1