

Hari Babu Vasili

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Surface states and Rashba-type spin polarization in antiferromagnetic MnBi (0001). <i>Physical Review B</i> , 2019, 100, .	3.2	132
2	Topological Electronic Structure and Intrinsic Magnetization in MnBi : A Direct observation of multivalent states and charge transfer in Ce-doped yttrium iron garnet thin films. <i>Physical Review X</i> , 2019, 9, .	3.9	46
3	Direct observation of multivalent states and charge transfer in Ce-doped yttrium iron garnet thin films. <i>Physical Review B</i> , 2017, 96, .	3.3	36
4	Giant magnetostriction in $\text{Sm}_{1-x}\text{Nd}_x\text{Fe}_{1.93}$ compounds. <i>Applied Physics Letters</i> , 2007, 90, 252513.	3.3	42
5	Graphene-based synthetic antiferromagnets and ferrimagnets. <i>Nature Communications</i> , 2017, 8, 699.	12.8	39
6	Magnetoelectric effect of $(100-x)\text{BaTiO}_3-x\text{NiFe}_{1.98}\text{O}_4$ ($x=20-80$) particulate nanocomposites. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	36
7	Electronically highly cubic conditions for Ru in RuCl_3 . <i>Physical Review B</i> , 2017, 96, .	3.2	36
8	Strontium hexaferrite platelets: a comprehensive soft X-ray absorption and Mössbauer spectroscopy study. <i>Scientific Reports</i> , 2019, 9, 11777.	3.3	35
9	Magnetoresistance in Hybrid $\text{Pt}/\text{CoFe}_2\text{O}_4$ Bilayers Controlled by Competing Spin Accumulation and Interfacial Chemical Reconstruction. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 12031-12041.	8.0	28
10	Effect of thickness on structural and magnetic properties in nanocrystalline Fe_3N thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 339, 1-5.	2.3	27
11	Comparing magnetic ground-state properties of the V- and Cr-doped topological insulator Bi_2Te_3 . <i>Physical Review B</i> , 2020, 101, .	3.2	27
12	Independent Tuning of Optical Transparency Window and Electrical Properties of Epitaxial SrVO_3 Thin Films by Substrate Mismatch. <i>Advanced Functional Materials</i> , 2019, 29, 1904238.	14.9	21
13	Cationic ordering and magnetic properties of rare-earth doped NiFe_2O_4 probed by Mössbauer and X-ray spectroscopies. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 484, 291-297.	2.3	19
14	Low-field switching of noncollinear spin texture at L_1 of Mn_2Te . <i>Physical Review B</i> , 2019, 100, 120401.	3.2	18
15	Epitaxial growth and magnetic properties of ultrathin iron oxide films on $\text{BaTiO}_3(001)$. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	16
16	Room-temperature AFM Electric-Field-Induced Topotactic Transformation between Perovskite and Brownmillerite SrFeO_{x-1} with Submicrometer Spatial Resolution. <i>Advanced Functional Materials</i> , 2019, 29, 1901984.	14.9	15
17	On the Role of Interfaces on Spin Transport in Magnetic Insulator/Normal Metal Heterostructures. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900475.	3.7	15
18	Quadruple perovskite oxide $\text{LaCu}_3\text{Co}_2\text{Re}_2\text{O}_{12}$: A ferrimagnetic half metal with nearly 100% B-site degree of order. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	14

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19	Electronic structure and magnetic exchange interactions of Cr-based van der Waals ferromagnets. A comparative study between CrBr ₃ and Cr ₂ Ge ₂ Te ₆ . Journal of Materials Chemistry C, 2020, 8, 13582-13589.	5.5	13
20	Magnetostriction of Tb _x Ho _{0.75-\hat{x}} Pr _{0.25} (Fe _{0.9} B _{0.1}) ₂ ($x=0\hat{e}0.3$) compounds. Journal of Magnetism and Magnetic Materials, 2008, 320, 990-993.	2.3	12
21	Magnetostriction of Tb _{0.1} Ho _{0.9-\hat{x}} Pr _{x} (Fe _{0.9} B _{0.1}) ₂ ($x=0\hat{e}0.4$) compounds. Journal of Applied Physics, 2008, 103, 07B313.	2.5	7
22	Valence-state and spin-state transition of Co in LaCo ₅ and LaCo ₅ Fe _{1-x} Co _x (0 x ≤ 1). Journal of Applied Physics, 2008, 103, 07B313.	3.2	7
23	Multiple magnetic transitions and electrical transport transformation of a BaFe ₃ O ₇ cubic perovskite single crystal. Physical Review B, 2020, 101, .	3.2	7
24	Orbital occupancy and hybridization in strained SrV ₃ O ₇ epitaxial films. Physical Review Materials, 2021, 5, .	2.4	7
25	Effect of anisotropy on anomalous Hall effect in TbFe thin films. Journal of Applied Physics, 2009, 105, .	2.5	5
26	Spin fluctuations, geometrical size effects, and zero-field topological order in textured MnSi thin films. Physical Review B, 2019, 99, .	3.2	4
27	XMCD studies of thin Co films on BaTiO ₃ . Journal of Physics Condensed Matter, 2015, 27, 326001.	1.8	3
28	In operando adjustable orbital polarization in LaNiO ₃ thin films. Physical Review Materials, 2020, 4, .	2.4	3
29	Magnetic properties of self-assembled Fe nanoislands on BaTiO ₃ (001). Journal of Magnetism and Magnetic Materials, 2013, 346, 16-20.	2.3	2
30	From antiferromagnetism to high- T_c weak ferromagnetism manipulated by atomic rearrangement in Ba ₃ O ₇ . Physical Review Materials, 2020, 4, .	2.4	2
31	Route to tunable room temperature electric polarization in SrTiO ₃ /CoFe ₂ O ₄ heterostructures. Journal of Materials Chemistry C, 2021, 9, 5977-5984.	5.5	1
32	Crystallographic Transformation: Room-Temperature AFM Electric-Field-Induced Topotactic Transformation between Perovskite and Brownmillerite SrFeO _x with Sub-Micrometer Spatial Resolution (Adv. Funct. Mater. 48/2019). Advanced Functional Materials, 2019, 29, 1970330.	14.9	0