

# Hari Babu Vasili

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4002963/publications.pdf>

Version: 2024-02-01

32  
papers

717  
citations

567281

15  
h-index

526287

27  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1574  
citing authors

#	ARTICLE	IF	CITATIONS
1	Route to tunable room temperature electric polarization in SrTiO <sub>3</sub> /CoFeO <sub>2</sub> /SrTiO <sub>3</sub> heterostructures. Journal of Materials Chemistry C, 2021, 9, 5977-5984.	5.5	1
2	Orbital occupancy and hybridization in strained SrVO <sub>3</sub> epitaxial films. Physical Review Materials, 2021, 5, .	2.4	7
3	Quadruple perovskite oxide LaCu <sub>3</sub> Co <sub>2</sub> Re <sub>2</sub> O <sub>12</sub> : A ferrimagnetic half metal with nearly 100% B-site degree of order. Applied Physics Letters, 2020, 117, .	3.3	14
4	Electronic structure and magnetic exchange interactions of Cr-based van der Waals ferromagnets. A comparative study between CrBr <sub>3</sub> and Cr <sub>2</sub> Ge <sub>2</sub> Te <sub>6</sub> . Journal of Materials Chemistry C, 2020, 8, 13582-13589.	5.5	13
5	Comparing magnetic ground-state properties of the V- and Cr-doped topological insulator SrVO <sub>3</sub> . Physical Review B, 2020, 101, .	3.2	7
6	Multiple magnetic transitions and electrical transport transformation of a BaFeO <sub>3</sub> cubic perovskite single crystal. Physical Review B, 2020, 101, .	3.2	7
7	In operando adjustable orbital polarization in LaNiO <sub>3</sub> thin films. Physical Review Materials, 2020, 4, .	2.4	3
8	From antiferromagnetism to high-temperature weak ferromagnetism manipulated by atomic rearrangement in SrVO <sub>3</sub> . Physical Review Materials, 2020, 4, .	2.4	2
9	Independent Tuning of Optical Transparency Window and Electrical Properties of Epitaxial SrVO <sub>3</sub> Thin Films by Substrate Mismatch. Advanced Functional Materials, 2019, 29, 1904238.	14.9	21
10	Room-temperature AFM Electric-Field-Induced Topotactic Transformation between Perovskite and Brownmillerite SrFeO <sub>x</sub> with Submicrometer Spatial Resolution. Advanced Functional Materials, 2019, 29, 1901984.	14.9	15
11	Strontium hexaferrite platelets: a comprehensive soft X-ray absorption and Mössbauer spectroscopy study. Scientific Reports, 2019, 9, 11777.	3.3	35
12	Surface states and Rashba-type spin polarization in antiferromagnetic MnBi <sub>2</sub> Te <sub>2</sub> (0001). Physical Review B, 2019, 100, .	3.2	13
13	On the Role of Interfaces on Spin Transport in Magnetic Insulator/Normal Metal Heterostructures. Advanced Materials Interfaces, 2019, 6, 1900475.	3.7	15
14	Spin fluctuations, geometrical size effects, and zero-field topological order in textured MnSi thin films. Physical Review B, 2019, 99, .	3.2	4
15	Cationic ordering and magnetic properties of rare-earth doped NiFe <sub>2</sub> O <sub>4</sub> probed by Mössbauer and X-ray spectroscopies. Journal of Magnetism and Magnetic Materials, 2019, 484, 291-297.	2.3	19
16	Valence-state and spin-state transition of Co in LaCoO <sub>3</sub> . Physical Review B, 2019, 100, .	3.2	7
17	Topological Electronic Structure and Intrinsic Magnetization in MnBi <sub>2</sub> Te <sub>2</sub> : A Crystallographic Transformation: Room-temperature AFM Electric-Field-Induced Topotactic Transformation between Perovskite and Brownmillerite SrFeO <sub>x</sub> with Submicrometer Spatial Resolution (Adv. Funct. Mater. 48/2019). Advanced Functional Materials, 2019, 29, 1970330.	14.9	0

#	ARTICLE	IF	CITATIONS
19	Low-field switching of noncollinear spin texture at $L\alpha$ edge of $\text{Pt}/\text{CoFe}_2\text{O}_7/\text{Pt}$ bilayers. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 12031-12041.	3.2	18
20	Magnetoresistance in Hybrid $\text{Pt}/\text{CoFe}_2\text{O}_7/\text{Pt}$ Bilayers Controlled by Competing Spin Accumulation and Interfacial Chemical Reconstruction. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 12031-12041.	8.0	28
21	Graphene-based synthetic antiferromagnets and ferrimagnets. <i>Nature Communications</i> , 2017, 8, 699.	12.8	39
22	Electronically highly cubic conditions for Ru in $\text{RuCl}_3$ . <i>Physical Review B</i> , 2017, 96, .	3.2	36
23	Direct observation of multivalent states and charge transfer in Ce-doped yttrium iron garnet thin films. <i>Physical Review B</i> , 2017, 96, .	3.2	36
24	XMCD studies of thin Co films on $\text{BaTiO}_3$ . <i>Journal of Physics Condensed Matter</i> , 2015, 27, 326001.	1.8	3
25	Magnetic properties of self-assembled Fe nanoislands on $\text{BaTiO}_3(001)$ . <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 346, 16-20.	2.3	2
26	Effect of thickness on structural and magnetic properties in nanocrystalline $\text{Fe}_x\text{N}$ thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 339, 1-5.	2.3	27
27	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
28	Magnetoelectric effect of $(100-x)\text{BaTiO}_3-x\text{NiFe}_2\text{O}_4$ ( $x=20-80$ , wt%) particulate nanocomposites. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	36
29	Effect of anisotropy on anomalous Hall effect in $\text{Tb}_x\text{Fe}$ thin films. <i>Journal of Applied Physics</i> , 2009, 105, .	2.5	5
30	Magnetostriction of $\text{TbxHo}_{0.75-x}\text{Pr}_{0.25}(\text{Fe}_{0.9}\text{B}_{0.1})_2$ ( $x=0-0.3$ ) compounds. <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, 990-993.	2.3	12
31	Magnetostriction of $\text{Tb}_{0.1}\text{Ho}_{0.9-x}\text{Pr}_x(\text{Fe}_{0.9}\text{B}_{0.1})_2$ ( $x=0-0.4$ ) compounds. <i>Journal of Applied Physics</i> , 2008, 103, 07B313.	2.5	7
32	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