

Dipten Bhattacharya

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

699
citations

933447

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all docs

22
docs citations

22
times ranked

904
citing authors

#	ARTICLE	IF	CITATIONS
1	Shape dependent multiferroic behavior in Bi ₂ Fe ₄ O ₉ nanoparticles. Nanotechnology, 2022, , .	2.6	3
2	Electric-field-driven resistive transition in multiferroic SrCo ₂ Fe ₁₆ O ₂₇ /Sr ₃ Co ₂ Fe ₂₄ O ₄₁ composite. Journal of Applied Physics, 2022, 131, 204101.	2.6	1
3	Room-temperature surface multiferroicity in NiMnO_6 nanorods. Physical Review B, 2022, 105, .	3.2	0
4	Hydrothermal synthesis of Bi ₂ Fe ₄ O ₉ nanochains and study of their multiferroic coupling. Materials Letters, 2021, 296, 129905.	2.6	7
5	Large structure-dependent room temperature exchange bias in self-assembled BiFeO ₃ nanoparticles. APL Materials, 2020, 8, .	5.1	7
6	Large Magnetoelectric Coupling in the Thin Film of Multiferroic CuO. ACS Omega, 2020, 5, 22883-22890.	3.5	9
7	Effect of surface pinning on magnetic nanostructures. Physical Review B, 2020, 101, .	3.2	7
8	10.1063/5.0015339.1. , 2020, , .		0
9	Origin of ferroelectricity in orthorhombic LuFeO_3 . Physical Review B, 2019, 100, .	3.2	14
10	Shape-dependent magnetoelectric coupling in nanoscale BiFeO ₃ . Journal of Alloys and Compounds, 2019, 772, 193-198.	5.5	14
11	Nonmonotonic particle-size-dependence of magnetoelectric coupling in strained nanosized particles of BiFeO ₃ . Scientific Reports, 2018, 8, 3728.	3.3	13
12	Magnetic transition at ~ 150 K in nanoscale BiFeO ₃ . Journal of Alloys and Compounds, 2018, 738, 277-282.	5.5	8
13	Determination of intrinsic ferroelectric polarization in lossy improper ferroelectric systems. Applied Physics Letters, 2016, 109, .	3.3	37
14	Maitiyet Al. reply.. Physical Review Letters, 2015, 114, 099704.	7.8	5
15	Origin of the asymmetric exchange bias in BiFeO_3 . Physical Review Letters, 2015, 114, 099704.	3.2	15
16	Large magnetoelectric coupling in nanoscale BiFeO_3 by direct electrical measurements. Physical Review B, 2014, 90, .	3.2	12
17	Exchange bias in a Nanocomposite of BiFeO_3 and Fe_3O_4 . Physical Review Letters, 2013, 110, 107201.	7.8	124
18	Multiferroic coupling in nanoscale BiFeO ₃ . Applied Physics Letters, 2011, 99, .	3.3	54

#	ARTICLE	IF	CITATIONS
19	Particle size dependence of magnetization and noncentrosymmetry in nanoscale BiFeO ₃ . Journal of Applied Physics, 2011, 109, .	2.5	54
20	Ferromagnetism in nanoscale BiFeO ₃ . Applied Physics Letters, 2007, 91, .	3.3	302
21	Magnetoresistivity in Solids. Transactions of the Indian Ceramic Society, 2006, 65, 1-16.	1.0	0
22	Nonmonotonic Magnetic Field Dependence of Remnant Ferroelectric Polarization in Reduced Graphene Oxideâ€BiFeO ₃ Nanocomposite. Physica Status Solidi - Rapid Research Letters, 0, , 2200077.	2.4	3