

Shalini Kumari

List of Publications by Year in descending order

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42
papers

968
citations

516710

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454955

30
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42
docs citations

42
times ranked

1285
citing authors

#	ARTICLE	IF	CITATIONS
1	Relaxor-ferroelectric superlattices: high energy density capacitors. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 445901.	1.8	124
2	Correlation of dielectric, electrical and magnetic properties near the magnetic phase transition temperature of cobalt zinc ferrite. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 210-218.	2.8	96
3	Green synthesis of reduced Ti ₃ C ₂ T _x MXene nanosheets with enhanced conductivity, oxidation stability, and SERS activity. <i>Journal of Materials Chemistry C</i> , 2020, 8, 4722-4731.	5.5	82
4	Dielectric anomalies due to grain boundary conduction in chemically substituted BiFeO ₃ . <i>Journal of Applied Physics</i> , 2015, 117, .	2.5	78
5	Magnetoelectric Composites: Applications, Coupling Mechanisms, and Future Directions. <i>Nanomaterials</i> , 2020, 10, 2072.	4.1	74
6	Studies of Phase Transitions and Magnetoelectric Coupling in PFN-CZFO Multiferroic Composites. <i>Journal of Physical Chemistry C</i> , 2016, 120, 1936-1944.	3.1	71
7	Effects of Oxygen Modification on the Structural and Magnetic Properties of Highly Epitaxial La _{0.7} Sr _{0.3} MnO ₃ (LSMO) thin films. <i>Scientific Reports</i> , 2020, 10, 3659.	3.3	35
8	Effect of thickness on dielectric, ferroelectric, and optical properties of Ni substituted Pb(Zr _{0.2} Ti _{0.8})O ₃ thin films. <i>Journal of Applied Physics</i> , 2015, 118, .	2.5	30
9	Ferroelectric and photovoltaic properties of transition metal doped Pb(Zr _{0.14} Ti _{0.56} Ni _{0.30})O _{3-δ} thin films. <i>AIP Advances</i> , 2014, 4, .	1.3	27
10	Exploring the Magnetoelectric Coupling at the Composite Interfaces of FE/FM/FE Heterostructures. <i>Scientific Reports</i> , 2018, 8, 17381.	3.3	26
11	Enhanced ferroelectric and piezoelectric properties of BCT-BZT at the morphotropic phase boundary driven by the coexistence of phases with different symmetries. <i>Physical Review B</i> , 2021, 104, .	3.2	26
12	Recent developments on 2D magnetic materials: challenges and opportunities. <i>Emergent Materials</i> , 2021, 4, 827-846.	5.7	25
13	Palladium-based ferroelectrics and multiferroics: Theory and experiment. <i>Physical Review B</i> , 2017, 95, .	3.2	23
14	Evidence of strong magneto-dielectric coupling and enhanced electrical insulation at room temperature in Nd and Mn co-doped bismuth ferrite. <i>Journal of Applied Physics</i> , 2017, 122, .	2.5	22
15	Insights into the magnetic dead layer in La _{0.7} Sr _{0.3} MnO ₃ thin films from temperature, magnetic field and thickness dependence of their magnetization. <i>AIP Advances</i> , 2018, 8, .	1.3	21
16	Coupled phonons and magnetic orderings in GaFeO ₃ : Raman and magnetization studies. <i>Journal of Applied Physics</i> , 2019, 125, .	2.5	17
17	Room temperature multiferroicity and magnetodielectric coupling in O ²⁺ composite thin films. <i>Journal of Applied Physics</i> , 2020, 127, .	2.5	16
18	Reconstructing phase diagrams from local measurements via Gaussian processes: mapping the temperature-composition space to confidence. <i>Npj Computational Materials</i> , 2018, 4, .	8.7	15

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19	Surface Recombination in Ultra-Fast Carrier Dynamics of Perovskite Oxide La _{0.7} Sr _{0.3} MnO ₃ Thin Films. ACS Nano, 2019, 13, 3457-3465.	14.6	15
20	Controlling the transverse proton relaxivity of magnetic graphene oxide. Scientific Reports, 2019, 9, 5633.	3.3	14
21	Studies on dielectric, optical, magnetic, magnetic domain structure, and resistance switching characteristics of highly c-axis oriented NZFO thin films. Journal of Applied Physics, 2017, 122, 033902.	2.5	13
22	Ferroic phase transitions and magnetoelectric coupling in cobalt doped BaTiO ₃ . Journal of Materials Chemistry C, 2021, 9, 12694-12711.	5.5	13
23	Lead palladium titanate: A room temperature nanoscale multiferroic thin film. Scientific Reports, 2020, 10, 2991.	3.3	12
24	Observation and interpretation of negative remanent magnetization and inverted hysteresis loops in a thin film of La _{0.7} Sr _{0.3} MnO ₃ . Journal of Physics Condensed Matter, 2018, 30, 405804.	1.8	11
25	Effect of substrate temperature on structural and magnetic properties of c-axis oriented spinel ferrite Ni _{0.65} Zn _{0.35} Fe ₂ O ₄ (NZFO) thin films. Journal of Alloys and Compounds, 2018, 766, 1074-1079.	5.5	9
26	Studies of Multiferroic Palladium Perovskites. Scientific Reports, 2019, 9, 1685.	3.3	8
27	Exploring phase transitions and magnetoelectric coupling of epitaxial asymmetric multilayer heterostructures. Journal of Materials Chemistry C, 2020, 8, 12113-12122.	5.5	8
28	Room-temperature large magnetoelectricity in a transition metal doped ferroelectric perovskite. Physical Review B, 2021, 104, .	3.2	8
29	Magnetocaloric effect and piezoresponse of engineered ferroelectric-ferromagnetic heterostructures. Journal of Magnetism and Magnetic Materials, 2019, 473, 511-516.	2.3	7
30	Autonomous scanning probe microscopy investigations over WS ₂ and Au{111}. Npj Computational Materials, 2022, 8, .	8.7	6
31	Multiferroic Memory: A Disruptive Technology or Future Technology?. Solid State Phenomena, 0, 189, 1-14.	0.3	5
32	Experimental verification of the ab initio phase transition sequence in SrZrO ₃ and comparisons with SrHfO ₃ and SrSnO ₃ . Npj Computational Materials, 2017, 3, .	8.7	5
33	Ferroelectric, ferromagnetic, and multiferroic heterostructures for possible applications as tunnel junctions. , 2018, , 571-591.		5
34	Effect of oxygen stoichiometry on the magnetization profiles and negative magnetization in LSMO thin films. Journal of Applied Physics, 2019, 126, 105301.	2.5	4
35	Tuning the magnetic phase transition above room temperature through Fe and Mn modification in gallium ferrite with reduced leakage current. Journal Physics D: Applied Physics, 2020, 53, 225001.	2.8	4
36	Ingenuously enhanced ferromagnetism in chemically-reduced 2D Ti ₃ C ₂ TX MXene. Materials Chemistry and Physics, 2022, 285, 126155.	4.0	4

#	ARTICLE	IF	CITATIONS
37	Observation of relaxor-ferroelectric behavior in gallium ferrite thin films. Applied Surface Science, 2020, 523, 146459.	6.1	3
38	Application of wavelet analysis on transient reflectivity in ultra-thin films. Optics Express, 2019, 27, 14684.	3.4	3
39	Magneto-dielectric anomaly in (Bi _{0.95} Nd _{0.05})(Fe _{0.97} Mn _{0.03})O ₃ electroceramic. Materials Research Society Symposia Proceedings, 2014, 1636, 1.	0.1	2
40	Applications of Strain-Coupled Magnetolectric Composites. , 2022, , 229-238.		1
41	Combined EELS and XAS Analysis of the Relationship between Depth Dependence and Valence in LSMO Thin Films. Microscopy and Microanalysis, 2017, 23, 1600-1601.	0.4	0
42	Ultra-Fast Phenomena in Perovskite Oxide La _{0.7} Sr _{0.3} MnO ₃ Thin Films. , 2019, , .		0