

Shalini Kumari

List of Publications by Year in descending order

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42
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42
times ranked

1285
citing authors

#	ARTICLE	IF	CITATIONS
1	Applications of Strain-Coupled Magnetolectric Composites. , 2022, , 229-238.		1
2	Autonomous scanning probe microscopy investigations over WS ₂ and Au{111}. Npj Computational Materials, 2022, 8, .	8.7	6
3	Ingeniously enhanced ferromagnetism in chemically-reduced 2D Ti ₃ C ₂ TX MXene. Materials Chemistry and Physics, 2022, 285, 126155.	4.0	4
4	Recent developments on 2D magnetic materials: challenges and opportunities. Emergent Materials, 2021, 4, 827-846.	5.7	25
5	Ferroic phase transitions and magnetolectric coupling in cobalt doped BaTiO ₃ . Journal of Materials Chemistry C, 2021, 9, 12694-12711.	5.5	13
6	Room-temperature large magnetolectricity in a transition metal doped ferroelectric perovskite. Physical Review B, 2021, 104, .	3.2	8
7	Enhanced ferroelectric and piezoelectric properties of BCT-BZT at the morphotropic phase boundary driven by the coexistence of phases with different symmetries. Physical Review B, 2021, 104, .	3.2	26
8	Exploring phase transitions and magnetolectric coupling of epitaxial asymmetric multilayer heterostructures. Journal of Materials Chemistry C, 2020, 8, 12113-12122.	5.5	8
9	Magnetolectric Composites: Applications, Coupling Mechanisms, and Future Directions. Nanomaterials, 2020, 10, 2072.	4.1	74
10	Room temperature multiferroicity and magnetodielectric coupling in O ²⁺ composite thin films. Journal of Applied Physics, 2020, 127, .	2.5	16
11	Green synthesis of reduced Ti ₃ C ₂ T _x MXene nanosheets with enhanced conductivity, oxidation stability, and SERS activity. Journal of Materials Chemistry C, 2020, 8, 4722-4731.	5.5	82
12	Effects of Oxygen Modification on the Structural and Magnetic Properties of Highly Epitaxial La _{0.7} Sr _{0.3} MnO ₃ (LSMO) thin films. Scientific Reports, 2020, 10, 3659.	3.3	35
13	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
14	Lead palladium titanate: A room temperature nanoscale multiferroic thin film. Scientific Reports, 2020, 10, 2991.	3.3	12
15	Observation of relaxor-ferroelectric behavior in gallium ferrite thin films. Applied Surface Science, 2020, 523, 146459.	6.1	3
16	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
17	Controlling the transverse proton relaxivity of magnetic graphene oxide. Scientific Reports, 2019, 9, 5633.	3.3	14
18	Studies of Multiferroic Palladium Perovskites. Scientific Reports, 2019, 9, 1685.	3.3	8

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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	Coupled phonons and magnetic orderings in GaFeO ₃ : Raman and magnetization studies. Journal of Applied Physics, 2019, 125, .	2.5	17
21	Magnetocaloric effect and piezoresponse of engineered ferroelectric-ferromagnetic heterostructures. Journal of Magnetism and Magnetic Materials, 2019, 473, 511-516.	2.3	7
22	Ultra-Fast Phenomena in Perovskite Oxide La _{0.7} Sr _{0.3} MnO ₃ Thin Films. , 2019, , .		0
23	Application of wavelet analysis on transient reflectivity in ultra-thin films. Optics Express, 2019, 27, 14684.	3.4	3
24	Reconstructing phase diagrams from local measurements via Gaussian processes: mapping the temperature-composition space to confidence. Npj Computational Materials, 2018, 4, .	8.7	15
25	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. AIP Advances, 2018, 8, .	1.3	21
26	Exploring the Magnetoelectric Coupling at the Composite Interfaces of FE/FM/FE Heterostructures. Scientific Reports, 2018, 8, 17381.	3.3	26
27	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
28	Ferroelectric, ferromagnetic, and multiferroic heterostructures for possible applications as tunnel junctions. , 2018, , 571-591.		5
29	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
30	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
31	Evidence of strong magneto-dielectric coupling and enhanced electrical insulation at room temperature in Nd and Mn co-doped bismuth ferrite. Journal of Applied Physics, 2017, 122, .	2.5	22
32	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
33	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
34	Palladium-based ferroelectrics and multiferroics: Theory and experiment. Physical Review B, 2017, 95, .	3.2	23
35	Correlation of dielectric, electrical and magnetic properties near the magnetic phase transition temperature of cobalt zinc ferrite. Physical Chemistry Chemical Physics, 2017, 19, 210-218.	2.8	96
36	Studies of Phase Transitions and Magnetoelectric Coupling in PFN-CZFO Multiferroic Composites. Journal of Physical Chemistry C, 2016, 120, 1936-1944.	3.1	71

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37	Effect of thickness on dielectric, ferroelectric, and optical properties of Ni substituted Pb(Zr _{0.2} Ti _{0.8})O ₃ thin films. Journal of Applied Physics, 2015, 118, .	2.5	30
38	Dielectric anomalies due to grain boundary conduction in chemically substituted BiFeO ₃ . Journal of Applied Physics, 2015, 117, .	2.5	78
39	Ferroelectric and photovoltaic properties of transition metal doped Pb(Zr _{0.14} Ti _{0.56} Ni _{0.30})O ₃ - \hat{r} thin films. AIP Advances, 2014, 4, .	1.3	27
40	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
41	Relaxor-ferroelectric superlattices: high energy density capacitors. Journal of Physics Condensed Matter, 2012, 24, 445901.	1.8	124
42	Multiferroic Memory: A Disruptive Technology or Future Technology?. Solid State Phenomena, 0, 189, 1-14.	0.3	5