

Saikat Das

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,031
citations

687363

13
h-index

526287

27
g-index

27
all docs

27
docs citations

27
times ranked

1880
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of graphene oxide doping on superconducting properties of bulk MgB ₂ . Superconductor Science and Technology, 2013, 26, 095008.	3.5	249
2	Selective control of multiple ferroelectric switching pathways using a trailing flexoelectric field. Nature Nanotechnology, 2018, 13, 366-370.	31.5	124
3	Magnetic Proximity Effect in YBa ₂ Cu ₃ O _{7-x} . Physical Review Letters, 2012, 108, 197201.	7.8	95
4	Controlled manipulation of oxygen vacancies using nanoscale flexoelectricity. Nature Communications, 2017, 8, 615.	12.8	93
5	Overcoming the Fundamental Barrier Thickness Limits of Ferroelectric Tunnel Junctions through BaTiO ₃ /SrTiO ₃ Composite Barriers. Nano Letters, 2016, 16, 3911-3918.	9.1	88
6	Strain-Induced Ferromagnetism in Antiferromagnetic LuMnO ₃ Thin Films. Physical Review Letters, 2013, 111, 037201.	7.8	66
7	Enhanced flexoelectricity at reduced dimensions revealed by mechanically tunable quantum tunnelling. Nature Communications, 2019, 10, 537.	12.8	64
8	Influence of La and Mn vacancies on the electronic and magnetic properties of LaMnO ₃ thin films grown by pulsed laser deposition. Physical Review B, 2014, 89, .	3.2	41
9	Depth profile of the ferromagnetic order in a YBa ₂ Cu ₃ O _{7-x} . Physical Review B, 2014, 89, .	3.2	34
10	Enhanced superconducting properties of rare-earth oxides and graphene oxide added MgB ₂ . Physica C: Superconductivity and Its Applications, 2014, 505, 32-38.	3.2	28
11	Colossal flexoresistance in dielectrics. Nature Communications, 2020, 11, 2586.	12.8	21
12	Effect of combined addition of graphene oxide and citric acid on superconducting properties of MgB ₂ . Physica C: Superconductivity and Its Applications, 2015, 509, 49-55.	1.2	18
13	Effect of Fe composition on the superconducting properties (T _c , H _{c2} and H _{irr}) of Fe _x Se _{1/2} Te _{1/2} (x=0.95). J. Appl. Phys., 2014, 115, 024301.	1.2	15
14	X-ray absorption spectroscopy study of the electronic and magnetic proximity effects in YBa ₂ Cu ₃ O _{7-x} . Physical Review B, 2014, 89, .	2.5	12
15	Structural, magnetic, and superconducting properties of pulsed-laser-deposition-grown La _{1-x} Sr _x O _{1-y} F _y thin films. Physical Review B, 2014, 89, .	3.2	11
16	Observation of Nonlinear Spin-Charge Conversion in the Thin Film of Nominally Centrosymmetric Dirac Semimetal SrIrO ₃ at Room Temperature. Physical Review Letters, 2021, 126, 236801.	7.8	11
17	Deterministic Influence of Substrate-Induced Oxygen Vacancy Diffusion on Bi ₂ WO ₆ Thin Film Growth. Crystal Growth and Design, 2021, 21, 625-630.	3.0	9

#	ARTICLE	IF	CITATIONS
19	Electronic Reconstruction Enhanced Tunneling Conductance at Terrace Edges of Ultrathin Oxide Films. <i>Advanced Materials</i> , 2017, 29, 1702001. Experimental realization of atomically flat and	21.0	7
20	terminated Coexisting multiple order parameters in single-layer	2.4	7
21	(001) films. Physical Review B, 2016, 94, .	3.2	6
22	Superconductivity and charge-carrier localization in ultrathin Physical Review B, 2017, 95, .	2	1.85
23	Growth and Atomically Resolved Polarization Mapping of Ferroelectric Bi ₂ WO ₆ Thin Films. <i>ACS Applied Electronic Materials</i> , 2021, 3, 1023-1030.	4.3	6
24	Structural, magnetic and electronic properties of pulsed-laser-deposition grown SrFeO ₃ thin films and SrFeO ₃ /La _{2/3} Ca _{1/3} MnO ₃ multilayers. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 495601.	1.8	3
25	Electronic band structure of (111) SrRuO ₃ thin films: An angle-resolved photoemission spectroscopy study. <i>Physical Review B</i> , 2020, 102, .	3.2	3
26	Atomic-resolution studies of epitaxial strain release mechanisms in La _{1.85} Sr _{0.15} CuO ₄ /La _{0.67} Ca _{0.33} MnO ₃ superlattices. <i>Physical Review B</i> , 2015, 91, .	3.2	2
27	Study of superconducting properties of ferrocene-added MgB ₂ . <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 1503-1511.	1.8	1