

# Saikat Das

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4242648/publications.pdf>

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	Growth and Atomically Resolved Polarization Mapping of Ferroelectric Bi <sub>2</sub> WO <sub>6</sub> Thin Films. ACS Applied Electronic Materials, 2021, 3, 1023-1030.	4.3	6
2	Observation of Nonlinear Spin-Charge Conversion in the Thin Film of Nominally Centrosymmetric Dirac Semimetal $\text{SrIrO}_3$ at Room Temperature. Physical Review Letters, 2021, 126, 236801.	7.8	11
3	Deterministic Influence of Substrate-Induced Oxygen Vacancy Diffusion on Bi <sub>2</sub> WO <sub>6</sub> Thin Film Growth. Crystal Growth and Design, 2021, 21, 625-630.	3.0	9
4	Colossal flexoresistance in dielectrics. Nature Communications, 2020, 11, 2586.	12.8	21
5	Electronic band structure of (111) SrRuO <sub>3</sub> thin films: An angle-resolved photoemission spectroscopy study. Physical Review B, 2020, 102, .	3.2	3
6	Enhanced flexoelectricity at reduced dimensions revealed by mechanically tunable quantum tunnelling. Nature Communications, 2019, 10, 537.	12.8	64
7	Experimental realization of atomically flat and terminated $\text{AlO}_2$ thin films. Physical Review B, 2019, 100, .	2.4	7
8	Selective control of multiple ferroelectric switching pathways using a trailing flexoelectric field. Nature Nanotechnology, 2018, 13, 366-370.	31.5	124
9	Electronic Reconstruction Enhanced Tunneling Conductance at Terrace Edges of Ultrathin Oxide Films. Advanced Materials, 2017, 29, 1702001.	21.0	7
10	Superconductivity and charge-carrier localization in ultrathin $\text{La}_{1-x}\text{Sr}_x\text{FeO}_3$ thin films. Physical Review B, 2017, 95, .	12.8	16
11	Controlled manipulation of oxygen vacancies using nanoscale flexoelectricity. Nature Communications, 2017, 8, 615.	12.8	93
12	Structural, magnetic and electronic properties of pulsed-laser-deposition grown $\text{SrFeO}_{3-x}\text{F}_x/\text{La}_{2/3}\text{Ca}_{1/3}\text{MnO}_3$ multilayers. Journal of Physics Condensed Matter, 2017, 29, 495601.	1.8	3
13	Overcoming the Fundamental Barrier Thickness Limits of Ferroelectric Tunnel Junctions through BaTiO <sub>3</sub> /SrTiO <sub>3</sub> Composite Barriers. Nano Letters, 2016, 16, 3911-3918.	9.1	88
14	Coexisting multiple order parameters in single-layer $\text{LuMnO}_3$ films. Physical Review B, 2016, 94, .	3.2	6
15	Atomic-resolution studies of epitaxial strain release mechanisms in $\text{La}_{1.85}\text{Sr}_{0.15}\text{CuO}_4/\text{La}_{0.67}\text{Ca}_{0.33}\text{MnO}_3$ superlattices. Physical Review B, 2015, 91, .	3.2	2
16	Effect of combined addition of graphene oxide and citric acid on superconducting properties of MgB <sub>2</sub> . Physica C: Superconductivity and Its Applications, 2015, 509, 49-55.	1.2	15
17	X-ray absorption spectroscopy study of the electronic and magnetic proximity effects in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ thin films. Physical Review B, 2015, 91, .	3.2	11
18	Structural, magnetic, and superconducting properties of pulsed-laser-deposition-grown $\text{La}_{1-x}\text{Sr}_x\text{FeO}_3$ thin films. Physical Review B, 2014, 89, .	12.8	15

#	ARTICLE	IF	CITATIONS
19	Study of superconducting properties of ferrocene-doped MgB <sub>2</sub> . Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 1503-1511.	1.8	1
20	Influence of La and Mn vacancies on the electronic and magnetic properties of LaMnO <sub>3</sub> thin films grown by pulsed laser deposition. Physical Review B, 2014, 89, .	3.2	41
21	Enhanced superconducting properties of rare-earth oxides and graphene oxide added MgB <sub>2</sub> . Physica C: Superconductivity and Its Applications, 2014, 505, 32-38.	1.2	18
22	Strain-Induced Ferromagnetism in Antiferromagnetic $\text{LuMnO}_3$ Thin Films. Physical Review Letters, 2013, 111, 037201.	7.8	66
23	Effect of graphene oxide doping on superconducting properties of bulk MgB <sub>2</sub> . Superconductor Science and Technology, 2013, 26, 095008. Depth profile of the ferromagnetic order in a YBaCuO	3.5	249
24	Depth profile of the ferromagnetic order in a YBaCuO	3.2	28
25	Depth profile of the ferromagnetic order in a YBaCuO	3.2	34
26	Effect of Fe composition on the superconducting properties (T <sub>c</sub> , H <sub>c2</sub> and H <sub>irr</sub> ) of Fe <sub>x</sub> Se <sub>1/2</sub> Te <sub>1/2</sub> (x=0.95). J. Appl. Phys. 121, 094501 (2017).	2.5	12
27	Magnetic Proximity Effect in YBa <sub>2</sub> Cu <sub>7</sub> O <sub>7</sub> /La Physical Review Letters, 2012, 108, 197201.	7.8	95