

Tula Paudel

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

2,533
citations

257450

24
h-index

289244

40
g-index

42
all docs

42
docs citations

42
times ranked

4549
citing authors

#	ARTICLE	IF	CITATIONS
1	Freestanding crystalline oxide perovskites down to the monolayer limit. <i>Nature</i> , 2019, 570, 87-90.	27.8	398
2	Emergence of room-temperature ferroelectricity at reduced dimensions. <i>Science</i> , 2015, 349, 1314-1317.	12.6	259
3	Doping Rules and Doping Prototypes in A_2BO_4 Spinel Oxides. <i>Advanced Functional Materials</i> , 2011, 21, 4493-4501.	14.9	176
4	Switchable Induced Polarization in $LaAlO_3/SrTiO_3$ Heterostructures. <i>Nano Letters</i> , 2012, 12, 1765-1771.	9.1	167
5	Isostructural metal-insulator transition in VO_2 . <i>Science</i> , 2018, 362, 1037-1040.	12.6	158
6	Imaging and control of ferromagnetism in $LaMnO_3/SrTiO_3$ heterostructures. <i>Science</i> , 2015, 349, 716-719.	12.6	153
7	Direct observation of a two-dimensional hole gas at oxide interfaces. <i>Nature Materials</i> , 2018, 17, 231-236.	27.5	151
8	Hexagonal rare-earth manganites as promising photovoltaics and light polarizers. <i>Physical Review B</i> , 2015, 92, .	3.2	100
9	Direct observation of room-temperature out-of-plane ferroelectricity and tunneling electroresistance at the two-dimensional limit. <i>Nature Communications</i> , 2018, 9, 3319.	12.8	81
10	Anisotropic spin-orbit torque generation in epitaxial $SrIrO_3$ by symmetry design. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 16186-16191.	7.1	73
11	Spin Filtering in CrI_3 Tunnel Junctions. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 15781-15787.	8.0	71
12	Enhanced flexoelectricity at reduced dimensions revealed by mechanically tunable quantum tunnelling. <i>Nature Communications</i> , 2019, 10, 537.	12.8	64
13	Epitaxial CrN Thin Films with High Thermoelectric Figure of Merit. <i>Advanced Materials</i> , 2015, 27, 3032-3037.	21.0	59
14	Surface Electronic Structure of Hybrid Organo Lead Bromide Perovskite Single Crystals. <i>Journal of Physical Chemistry C</i> , 2016, 120, 21710-21715.	3.1	58
15	Anisotropic polarization-induced conductance at a ferroelectric-insulator interface. <i>Nature Nanotechnology</i> , 2018, 13, 1132-1136.	31.5	53
16	Ambipolar ferromagnetism by electrostatic doping of a manganite. <i>Nature Communications</i> , 2018, 9, 1897.	12.8	51
17	Anomalous Hall conductivity of noncollinear magnetic antiperovskites. <i>Physical Review Materials</i> , 2019, 3, .	2.4	50
18	Electronic structure and stability of the $C_3H_3N_3PbB_3$	3.2	49

#	ARTICLE	IF	CITATIONS
19	Electromechanics of Ferroelectric-Like Behavior of LaAlO ₃ Thin Films. <i>Advanced Functional Materials</i> , 2015, 25, 6538-6544.	14.9	42
20	Direct imaging of the electron liquid at oxide interfaces. <i>Nature Nanotechnology</i> , 2018, 13, 198-203.	31.5	40
21	Tunneling Hot Spots in Ferroelectric SrTiO ₃ . <i>Nano Letters</i> , 2018, 18, 491-497.	9.1	30
22	Electronic structure and direct observation of ferrimagnetism in multiferroic hexagonal YbFeO ₃ . <i>Physical Review B</i> , 2017, 95, .	11.2	27
23	Controlling the Magnetic Properties of LaMnO ₃ /SrTiO ₃ Heterostructures by Stoichiometry and Electronic Reconstruction: Atomic-Scale Evidence. <i>Advanced Materials</i> , 2019, 31, 1901386.	21.0	27
24	Strain-driven disproportionation at a correlated oxide metal-insulator transition. <i>Physical Review B</i> , 2020, 101, .	3.2	26
25	Spin-polarized two-dimensional electron gas at GdTiO ₃ /SrTiO ₃ interfaces: Insight from first-principles calculations. <i>Physical Review B</i> , 2017, 96, .	11.2	22
26	Colossal X-Ray-Induced Persistent Photoconductivity in Current-Perpendicular-to-a-Plane Ferroelectric/Semiconductor Junctions. <i>Advanced Functional Materials</i> , 2018, 28, 1704337.	14.9	21
27	Colossal flexoresistance in dielectrics. <i>Nature Communications</i> , 2020, 11, 2586.	12.8	21
28	Epitaxial antiperovskite/perovskite heterostructures for materials design. <i>Science Advances</i> , 2020, 6, eaba4017.	10.3	18
29	In-plane quasi-single-domain BaTiO ₃ via interfacial symmetry engineering. <i>Nature Communications</i> , 2021, 12, 6784.	12.8	16
30	Influence of the Cation on the Surface Electronic Band Structure and Magnetic Properties of Mn:ZnS and Mn:CdS Quantum Dot Thin Films. <i>Journal of Physical Chemistry C</i> , 2019, 123, 24890-24898.	3.1	10
31	Evaluating the Thermoelectric Properties of BaTiS ₃ by Density Functional Theory. <i>ACS Omega</i> , 2020, 5, 12385-12390.	3.5	10
32	Electrically reversible magnetization at the antiperovskite/perovskite interface. <i>Physical Review Materials</i> , 2019, 3, .	2.4	10
33	New view of the occupied band structure of Mo(112). <i>Physical Review B</i> , 2012, 85, .	3.2	9
34	Absorption enhancement by transition metal doping in ZnS. <i>Materials Research Express</i> , 2019, 6, 126550.	1.6	7
35	Contributions of the lead-bromine weighted bands to the occupied density of states of the hybrid tri-bromide perovskites. <i>Applied Physics Letters</i> , 2018, 113, 022101.	3.3	6
36	Coupled Current Jumps and Domain Wall Creeps in a Defect-Engineered Ferroelectric Resistive Memory. <i>Advanced Electronic Materials</i> , 0, , 2101059.	5.1	5

#	ARTICLE	IF	CITATIONS
37	Modifying magnetic properties of MnBi with carbon: an experimental and theoretical study. Journal Physics D: Applied Physics, 2022, 55, 265003.	2.8	4
38	<i>Ab initio</i> study of alloying of MnBi to enhance the energy product. RSC Advances, 2021, 11, 30955-30960.	3.6	3
39	In-situ probing of coupled atomic restructuring and metallicity of oxide heterointerfaces induced by polar adsorbates. Applied Physics Letters, 2017, 111, 141604.	3.3	2
40	Electronic reconstruction at the polar (111)-oriented oxide interface. APL Materials, 2022, 10, .	5.1	2