

Bhagwati Prasad

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,219
citations

566801

15
h-index

839053

18
g-index

20
all docs

20
docs citations

20
times ranked

2278
citing authors

#	ARTICLE	IF	CITATIONS
1	Liberating a hidden antiferroelectric phase with interfacial electrostatic engineering. <i>Science Advances</i> , 2022, 8, eabg5860.	4.7	18
2	Large Tunnel Electroresistance with Ultrathin $\text{Hf}_{0.5}\text{Zr}_{0.5}\text{O}_2$ Ferroelectric Tunnel Barriers. <i>Advanced Electronic Materials</i> , 2021, 7, 2001074.	2.6	32
3	Functional Demonstration of a Fully Integrated Magneto-Electric Spin-Orbit Device. , 2021, , .		3
4	Ultralow Voltage Manipulation of Ferromagnetism. <i>Advanced Materials</i> , 2020, 32, e2001943.	11.1	44
5	Manipulating magnetoelectric energy landscape in multiferroics. <i>Nature Communications</i> , 2020, 11, 2836.	5.8	42
6	Integration of amorphous ferromagnetic oxides with multiferroic materials for room temperature magnetoelectric spintronics. <i>Scientific Reports</i> , 2020, 10, 3583.	1.6	16
7	Defect-Enhanced Polarization Switching in the Improper Ferroelectric LuFeO_3 . <i>Advanced Materials</i> , 2020, 32, e2000508.	11.1	25
8	Experimental demonstration of integrated magneto-electric and spin-orbit building blocks implementing energy-efficient logic. , 2019, , .		8
9	Spatially resolved steady-state negative capacitance. <i>Nature</i> , 2019, 565, 468-471.	13.7	245
10	Scalable energy-efficient magnetoelectric spin-orbit logic. <i>Nature</i> , 2019, 565, 35-42.	13.7	480
11	Voltage control of unidirectional anisotropy in ferromagnet-multiferroic system. <i>Science Advances</i> , 2018, 4, eaat4229.	4.7	52
12	Complex strain evolution of polar and magnetic order in multiferroic BiFeO_3 thin films. <i>Nature Communications</i> , 2018, 9, 3764.	5.8	40
13	Fully magnetic manganite spin filter tunnel junctions. <i>Applied Physics Letters</i> , 2016, 109, .	1.5	7
14	Turning antiferromagnetic $\text{Sm}_{0.34}\text{Sr}_{0.66}\text{MnO}_3$ into a 140 K ferromagnet using a nanocomposite strain tuning approach. <i>Nanoscale</i> , 2016, 8, 8083-8090.	2.8	25
15	Strongly Bias-Dependent Tunnel Magnetoresistance in Manganite Spin Filter Tunnel Junctions. <i>Advanced Materials</i> , 2015, 27, 3079-3084.	11.1	15
16	Nanopillar Spin Filter Tunnel Junctions with Manganite Barriers. <i>Nano Letters</i> , 2014, 14, 2789-2793.	4.5	20
17	Electric-Field Control of Ferromagnetism in a Nanocomposite via a ZnO Phase. <i>Nano Letters</i> , 2013, 13, 5886-5890.	4.5	33
18	Adsorption of arsenite (As^{3+}) on nano-sized Fe_2O_3 waste powder from the steel industry. <i>Desalination</i> , 2011, 274, 105-112.	4.0	63

#	ARTICLE	IF	CITATIONS
19	Formation and magnetic behaviour of manganese oxide nanoparticles. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 167, 153-160.	1.7	50