

Bhagwati Prasad

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3519987/publications.pdf>

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

#	ARTICLE	IF	CITATIONS
19	Functional Demonstration of a Fully Integrated Magneto-Electric Spin-Orbit Device. , 2021, , .		3