

Kapil Gupta

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

341
citations

759233

12
h-index

940533

16
g-index

17
all docs

17
docs citations

17
times ranked

602
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent progress in microstructure development of inorganic one-dimensional nanostructures for enhancing performance of piezotronics and piezoelectric nanogenerators. <i>Nano Energy</i> , 2019, 55, 1-21.	16.0	50
2	Liquid Phase " Pulsed Laser Ablation: A route to fabricate different carbon nanostructures. <i>Applied Surface Science</i> , 2014, 302, 141-144.	6.1	48
3	Fast, reversible CO ₂ capture in nanostructured Brownmillerite CaFeO _{2.5} . <i>Nano Energy</i> , 2015, 11, 146-153.	16.0	32
4	Piezotronic materials and large-scale piezotronics array devices. <i>MRS Bulletin</i> , 2018, 43, 936-940.	3.5	30
5	Anomalous room temperature magnetoresistance in brownmillerite Ca ₂ Fe ₂ O ₅ . <i>RSC Advances</i> , 2015, 5, 92549-92553.	3.6	27
6	Gigantic enhancement of electricity generation in piezoelectric semiconductors by creating pores as a universal approach. <i>Energy and Environmental Science</i> , 2019, 12, 410-417.	30.8	22
7	Porosity-induced full-range visible-light photodetection via ultrahigh broadband antireflection in ZnO nanowires. <i>NPG Asia Materials</i> , 2016, 8, e314-e314.	7.9	21
8	Ultrahigh UV responsivity of single nonpolar a -axial GaN nanowire with asymmetric piezopotential via piezo-phototronic effect: Dependence of carrier screening effect on strain. <i>Nano Energy</i> , 2017, 34, 367-374.	16.0	21
9	High-quality AlN grown with a single substrate temperature below 1200 Å°C. <i>Scientific Reports</i> , 2017, 7, 7135.	3.3	20
10	Optimal geometrical design of inertial vibration DC piezoelectric nanogenerators based on obliquely aligned InN nanowire arrays. <i>Nanoscale</i> , 2017, 9, 14039-14046.	5.6	20
11	Scaling of extended defects in nano-sized Brownmillerite CaFeO _{2.5} . <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013, 210, 1771-1777.	1.8	13
12	Combinatorial Screening of Cuprate Superconductors by Drop-On-Demand Inkjet Printing. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 9101-9112.	8.0	13
13	Direct and Facile Room-Temperature Synthesis of Nanocrystalline Calcium Sulfate Dihydrate (Gypsum). <i>Crystal Growth and Design</i> , 2016, 16, 3256-3261.	3.0	12
14	Preferentially oriented single crystal growth of brownmillerite CaFeO _{2.5} by flux growth technique. <i>Materials Letters</i> , 2014, 131, 332-335.	2.6	7
15	Ultra-flat AlN grown with a pulsed H ₂ etching condition. <i>Applied Physics Express</i> , 2019, 12, 015509.	2.4	4
16	Piezocatalytic and doping effects synergistically enhance the oxygen evolution in Sb-doped zinc oxide nanorod arrays as a photoanode for photoelectrochemical water splitting. <i>MRS Energy & Sustainability</i> , 2022, 9, 19-27.	3.0	1