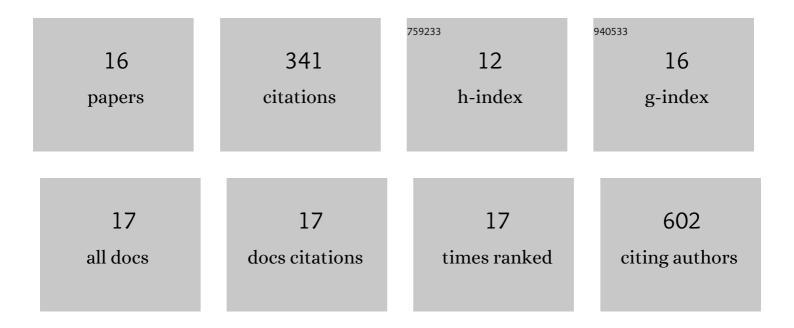
Kapil Gupta

List of Publications by Year in descending order

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ΚλΟΠ ΟΠΟΤΛ

#	Article	IF	CITATIONS
1	Recent progress in microstructure development of inorganic one-dimensional nanostructures for enhancing performance of piezotronics and piezoelectric nanogenerators. Nano Energy, 2019, 55, 1-21.	16.0	50
2	Liquid Phase – Pulsed Laser Ablation: A route to fabricate different carbon nanostructures. Applied Surface Science, 2014, 302, 141-144.	6.1	48
3	Fast, reversible CO2 capture in nanostructured Brownmillerite CaFeO2.5. Nano Energy, 2015, 11, 146-153.	16.0	32
4	Piezotronic materials and large-scale piezotronics array devices. MRS Bulletin, 2018, 43, 936-940.	3.5	30
5	Anomalous room temperature magnetoresistance in brownmillerite Ca ₂ Fe ₂ O ₅ . RSC Advances, 2015, 5, 92549-92553.	3.6	27
6	Gigantic enhancement of electricity generation in piezoelectric semiconductors by creating pores as a universal approach. Energy and Environmental Science, 2019, 12, 410-417.	30.8	22
7	Porosity-induced full-range visible-light photodetection via ultrahigh broadband antireflection in ZnO nanowires. NPG Asia Materials, 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. Nano Energy, 2017, 34, 367-374.	16.0	21
9	High-quality AlN grown with a single substrate temperature below 1200 °C. Scientific Reports, 2017, 7, 7135.	3.3	20
10	Optimal geometrical design of inertial vibration DC piezoelectric nanogenerators based on obliquely aligned InN nanowire arrays. Nanoscale, 2017, 9, 14039-14046.	5.6	20
11	Scaling of extended defects in nano-sized Brownmillerite CaFeO _{2.5} . Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 1771-1777.	1.8	13
12	Combinatorial Screening of Cuprate Superconductors by Drop-On-Demand Inkjet Printing. ACS Applied Materials & Interfaces, 2021, 13, 9101-9112.	8.0	13
13	Direct and Facile Room-Temperature Synthesis of Nanocrystalline Calcium Sulfate Dihydrate (Gypsum). Crystal Growth and Design, 2016, 16, 3256-3261.	3.0	12
14	Preferentially oriented single crystal growth of brownmillerite CaFeO2.5 by flux growth technique. Materials Letters, 2014, 131, 332-335.	2.6	7
15	Ultra-flat AlN grown with a pulsed H ₂ etching condition. Applied Physics Express, 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. MRS Energy & Sustainability, 2022, 9, 19-27.	3.0	1