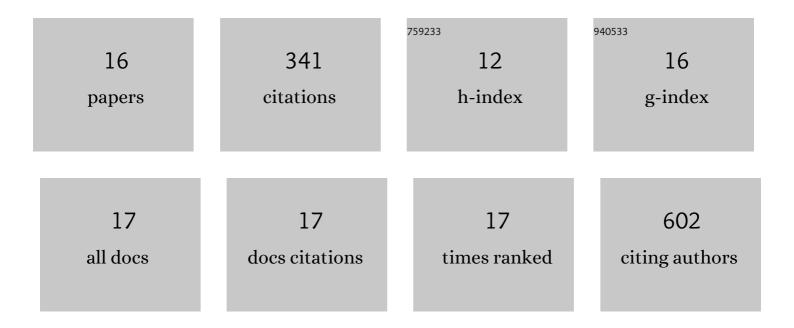
Kapil Gupta

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4706424/publications.pdf Version: 2024-02-01



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 |