

Ikhtisham mehmood

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

16
papers

405
citations

11
h-index

16
g-index

16
ext. papers

528
ext. citations

7.9
avg, IF

3.75
L-index

#	Paper	IF	Citations
16	Ultrahigh augmentation of flexible composite-based piezoelectric energy harvesting efficiency via polymer-impregnated nanoparticles network within 3D cellulose scaffold. <i>Composites Part B: Engineering</i> , 2022 , 236, 109813	10	1
15	Effect of Mg-doped CdS co-sensitization on performance of CuInSe ₂ quantum dot sensitized solar cells. <i>Journal of Physics and Chemistry of Solids</i> , 2021 , 110502	3.9	0
14	Investigation of silver doped CdS co-sensitized TiO ₂ /CdSe/Ag/CdS heterostructure for improved optoelectronic properties. <i>Optical Materials</i> , 2021 , 111, 110645	3.3	1
13	Hydrogel Ionic Diodes toward Harvesting Ultralow-Frequency Mechanical Energy. <i>Advanced Materials</i> , 2021 , 33, e2103056	24	13
12	High ammonia sensitive ability of novel Cu ₁₂ Sb ₄ S ₁₃ quantum dots@reduced graphene oxide nanosheet composites at room temperature. <i>Chinese Chemical Letters</i> , 2020 , 31, 2109-2114	8.1	4
11	Enhanced output performance of flexible piezoelectric energy harvester by using auxetic graphene films as electrodes. <i>Applied Physics Letters</i> , 2020 , 117, 103901	3.4	4
10	Bandgap aligned Cu ₁₂ Sb ₄ S ₁₃ quantum dots as efficient inorganic hole transport materials in planar perovskite solar cells with enhanced stability. <i>Sustainable Energy and Fuels</i> , 2019 , 3, 831-840	5.8	11
9	Acidic Site-Assisted Ammonia Sensing of Novel CuSbS Quantum Dots/Reduced Graphene Oxide Composites with an Ultralow Detection Limit at Room Temperature. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 9573-9582	9.5	28
8	Flexible energy harvesting polymer composites based on biofibril-templated 3-dimensional interconnected piezoceramics. <i>Nano Energy</i> , 2018 , 50, 35-42	17.1	66
7	A brief review of Ba(Ti _{0.8} Zr _{0.2})O ₃ -(Ba _{0.7} Ca _{0.3})TiO ₃ based lead-free piezoelectric ceramics: Past, present and future perspectives. <i>Journal of Physics and Chemistry of Solids</i> , 2018 , 114, 207-219	3.9	54
6	Bioinspired elastic piezoelectric composites for high-performance mechanical energy harvesting. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 14546-14552	13	65
5	Growth kinetics and mechanisms of multinary copper-based metal sulfide nanocrystals. <i>Nanoscale</i> , 2017 , 9, 12470-12478	7.7	21
4	A microcube-based hybrid piezocomposite as a flexible energy generator. <i>RSC Advances</i> , 2017 , 7, 32502-32507	37.507	52
3	Mn doped CdS passivated CuInSe ₂ quantum dot sensitized solar cells with remarkably enhanced photovoltaic efficiency. <i>RSC Advances</i> , 2017 , 7, 33106-33112	3.7	13
2	A green synthesis route for the phase and size tunability of copper antimony sulfide nanocrystals with high yield. <i>Nanoscale</i> , 2016 , 8, 5146-52	7.7	42
1	Size-Dependent Synthesis of Cu ₁₂ Sb ₄ S ₁₃ Nanocrystals with Bandgap Tunability. <i>Particle and Particle Systems Characterization</i> , 2015 , 32, 999-1005	3.1	30