Ikhtisham mehmood

List of Publications by Year
in descending order

16	641	759190 12	940516 16
papers	citations	h-index	g-index

16	16	16	806
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Flexible energy harvesting polymer composites based on biofibril-templated 3-dimensional interconnected piezoceramics. Nano Energy, 2018, 50, 35-42.	16.0	107
2	Bioinspired elastic piezoelectric composites for high-performance mechanical energy harvesting. Journal of Materials Chemistry A, 2018, 6, 14546-14552.	10.3	104
3	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. Journal of Physics and Chemistry of Solids, 2018, 114, 207-219.	4.0	73
4	A microcube-based hybrid piezocomposite as a flexible energy generator. RSC Advances, 2017, 7, 32502-32507.	3.6	59
5	A green synthesis route for the phase and size tunability of copper antimony sulfide nanocrystals with high yield. Nanoscale, 2016, 8, 5146-5152.	5.6	54
6	Acidic Site-Assisted Ammonia Sensing of Novel CuSbS₂ Quantum Dots/Reduced Graphene Oxide Composites with an Ultralow Detection Limit at Room Temperature. ACS Applied Materials & Interfaces, 2019, 11, 9573-9582.	8.0	49
7	Hydrogel Ionic Diodes toward Harvesting Ultralowâ€Frequency Mechanical Energy. Advanced Materials, 2021, 33, e2103056.	21.0	48
8	Size-Dependent Synthesis of Cu₁₂Sb₄S₁₃Nanocrystals with Bandgap Tunability. Particle and Particle Systems Characterization, 2015, 32, 999-1005.	2.3	35
9	Growth kinetics and mechanisms of multinary copper-based metal sulfide nanocrystals. Nanoscale, 2017, 9, 12470-12478.	5.6	26
10	Ultrahigh augmentation of flexible composite-based piezoelectric energy harvesting efficiency via polymer-impregnated nanoparticles network within 3D cellulose scaffold. Composites Part B: Engineering, 2022, 236, 109813.	12.0	18
11	Bandgap aligned Cu₁₂Sb₄S₁₃ quantum dots as efficient inorganic hole transport materials in planar perovskite solar cells with enhanced stability. Sustainable Energy and Fuels, 2019, 3, 831-840.	4.9	17
12	Mn doped CdS passivated CuInSe₂ quantum dot sensitized solar cells with remarkably enhanced photovoltaic efficiency. RSC Advances, 2017, 7, 33106-33112.	3.6	16
13	Investigation of silver doped CdS co-sensitized TiO2/CISe/Agâ€“CdS heterostructure for improved optoelectronic properties. Optical Materials, 2021, 111, 110645.	3.6	12
14	High ammonia sensitive ability of novel Cu12Sb4S13 quantum dots@reduced graphene oxide nanosheet composites at room temperature. Chinese Chemical Letters, 2020, 31, 2109-2114.	9.0	10
15	Enhanced output performance of flexible piezoelectric energy harvester by using auxetic graphene films as electrodes. Applied Physics Letters, 2020, 117, .	3.3	10
16	Effect of Mg-doped CdS co-sensitization on performance of CuInSe2 quantum dot sensitized solar cells. Journal of Physics and Chemistry of Solids, 2021, , 110502.	4.0	3