

Azhar Iqbal

List of Publications by Year in descending order

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46
papers

1,112
citations

361388

20
h-index

414395

32
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48
all docs

48
docs citations

48
times ranked

1642
citing authors

#	ARTICLE	IF	CITATIONS
1	Elucidating the Size-Dependent FRET Efficiency in Interfacially Engineered Quantum Dots Attached to PBSA Sunscreen. <i>Photochemistry and Photobiology</i> , 2022, 98, 1017-1024.	2.5	2
2	Exploring the photoexcited electron transfer dynamics in artificial sunscreen PBSA-coupled biocompatible ZnO quantum dots. <i>New Journal of Chemistry</i> , 2022, 46, 9526-9533.	2.8	9
3	Damping the phase segregation in mixed halide perovskites: Influence of X-site anion. <i>Materials Chemistry and Physics</i> , 2022, 287, 126335.	4.0	2
4	Elucidating the Photoluminescence Quenching in Ensulizole: an Artificial Water Soluble Sunscreen. <i>Journal of Fluorescence</i> , 2021, 31, 1055-1063.	2.5	10
5	A novel binder free high performance Y2Zr2O7/MnS nanocomposite electrode for supercapacitor applications. <i>Journal of Energy Storage</i> , 2021, 37, 102505.	8.1	11
6	Stoichiometric modulation of triazine based polyurea frameworks for carbon dioxide capture. <i>Polymer</i> , 2021, 224, 123762.	3.8	1
7	Enhanced photoelectrochemical water splitting using zinc selenide/graphitic carbon nitride type-II heterojunction interface. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 25424-25435.	7.1	24
8	Influence of nickel and lanthanum ions co-doping on photocatalytic properties of TiO2 for effective degradation of reactive yellow 145 in the visible region. <i>Journal of Sol-Gel Science and Technology</i> , 2020, 93, 438-451.	2.4	27
9	Green emitter and thermally stable layered tetraethyl ammonium lead bromiodide perovskite. <i>Optik</i> , 2020, 207, 163828.	2.9	2
10	Effect of halide-mixing on tolerance factor and charge-carrier dynamics in (CH3NH3PbBr3 \times Clx) perovskites powders. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 19415-19428.	2.2	4
11	Photoinduced charge carrier dynamics in a ZnSe quantum dot-attached CdTe system. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2020, 476, 20190616.	2.1	6
12	Excellent electrochemical performance of SrZrO3 nanorods as supercapacitor electrode in aqueous electrolytes. <i>Applied Surface Science</i> , 2019, 495, 143587.	6.1	17
13	Doped quaternary metal chalcogenides Cu2ZnSnS4 nanocrystals as efficient light harvesters for solar cell devices. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 20860-20869.	2.2	5
14	Photoresponsive azobenzene ligand as an efficient electron acceptor for luminous CdTe quantum dots. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 375, 48-53.	3.9	10
15	Charge/energy transfer dynamics in CuO quantum dots attached to photoresponsive azobenzene ligand. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 371, 44-49.	3.9	6
16	Mesoporous Ce ₂ Zr ₂ O ₇ /PbS Nanocomposite with an Excellent Supercapacitor Electrode Performance and Cyclic Stability. <i>ChemistrySelect</i> , 2019, 4, 655-661.	1.5	17
17	Hole transfer from CdSe nanoparticles to TQ1 polymer in hybrid solar cell device. <i>Journal of Molecular Structure</i> , 2018, 1159, 67-73.	3.6	13
18	Highly stable mesoporous CeO2/CeS2 nanocomposite as electrode material with improved supercapacitor electrochemical performance. <i>Ceramics International</i> , 2018, 44, 22262-22270.	4.8	47

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19	Designing Efficient Energy Funneling Kinetics in Ruddlesden-Popper Perovskites for High-Performance Light-Emitting Diodes. <i>Advanced Materials</i> , 2018, 30, e1800818.	21.0	85
20	Novel hetero-bimetallic coordination polymer as a single source of highly dispersed Cu/Ni nanoparticles for efficient photocatalytic water splitting. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 1816-1827.	6.0	24
21	Enhanced photocatalytic activity of water stable hydroxyl ammonium lead halide perovskites. <i>Materials Science in Semiconductor Processing</i> , 2017, 63, 6-11.	4.0	26
22	Synthesis and time-resolved photoluminescence of SnO ₂ nanorods. <i>Journal of Molecular Structure</i> , 2017, 1144, 355-359.	3.6	16
23	Design and fabrication of covalently linked PEGylated nanohybrids of ZnO quantum dots with preserved and tunable fluorescence. <i>Materials and Design</i> , 2017, 131, 156-166.	7.0	11
24	Influence of Mn-doping on the photocatalytic and solar cell efficiency of CuO nanowires. <i>Inorganic Chemistry Communication</i> , 2017, 76, 71-76.	3.9	73
25	Effect of Fe doping on the crystallinity of CuO nanotubes and the efficiency of the hybrid solar cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 335, 112-118.	3.9	21
26	Synthesis and Electrochemical Performance of Urea Assisted Pristine LiMn ₂ O ₄ Cathode for Li Ion Batteries. <i>Russian Journal of Physical Chemistry A</i> , 2017, 91, 2671-2679.	0.6	3
27	On the Synergism between Cu and Ni for Photocatalytic Hydrogen Production and their Potential as Substitutes of Noble Metals. <i>ChemCatChem</i> , 2016, 8, 3146-3155.	3.7	31
28	CdS nanocapsules and nanospheres as efficient solar light-driven photocatalysts for degradation of Congo red dye. <i>Inorganic Chemistry Communication</i> , 2016, 72, 33-41.	3.9	47
29	Cr ₂ O ₃ -carbon composite as a new support material for efficient methanol electrooxidation. <i>Materials Research Bulletin</i> , 2016, 77, 221-227.	5.2	13
30	Indium phosphide nanowires and their applications in optoelectronic devices. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2016, 472, 20150804.	2.1	25
31	Fluorescence modulation of cadmium sulfide quantum dots by azobenzene photochromic switches. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2016, 472, 20150692.	2.1	16
32	Bulk-like transverse electron mobility in an array of heavily n-doped InP nanowires probed by terahertz spectroscopy. <i>Physical Review B</i> , 2014, 90, .	3.2	24
33	Large-energy-shift photon upconversion in degenerately doped InP nanowires by direct excitation into the electron gas. <i>Nano Research</i> , 2013, 6, 752-757.	10.4	6
34	Photoluminescence study of as-grown vertically standing wurtzite InP nanowire ensembles. <i>Nanotechnology</i> , 2013, 24, 115706.	2.6	15
35	Reflection measurements to reveal the absorption in nanowire arrays. <i>Optics Letters</i> , 2013, 38, 1449.	3.3	11
36	Active Participation of π^* States in the Photodissociation of Tyrosine and Its Subunits. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 2274-2278.	4.6	40

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37	Exploring the Time Scales of H-Atom Elimination from Photoexcited Indole. <i>Journal of Physical Chemistry A</i> , 2010, 114, 68-72.	2.5	36
38	Exploring the Time-Scales of H-Atom Detachment from Photoexcited Phenol- <i>h</i> ₆ and Phenol- <i>d</i> ₅ : Statistical vs Nonstatistical Decay. <i>Journal of Physical Chemistry A</i> , 2009, 113, 8157-8163.	2.5	84
39	Thermo-viscoelastic behavior of PCNF-filled polypropylene nanocomposites. <i>Journal of Applied Polymer Science</i> , 2008, 107, 2695-2703.	2.6	12
40	Melt mixing of carbon fibers and carbon nanotubes incorporated polyurethanes. <i>Journal of Applied Polymer Science</i> , 2008, 110, 196-202.	2.6	41
41	Direct versus Indirect H Atom Elimination from Photoexcited Phenol Molecules. <i>Journal of Physical Chemistry A</i> , 2008, 112, 9531-9534.	2.5	69
42	The Effect of Tri(n-butyl) Tin(IV) [3-Benzoyl phenyl] Propionate on the Degradation and Stabilisation of PVC in Inert and Oxidative Atmospheres. <i>Polymers and Polymer Composites</i> , 2007, 15, 121-129.	1.9	0
43	The effect of filler concentration on the electrical, thermal, and mechanical properties of carbon particle and carbon fiber-reinforced poly(styrene-co-acrylonitrile) composites. <i>Polymer Composites</i> , 2007, 28, 186-197.	4.6	34
44	High performance thermoplastic composites: Study on the mechanical, thermal, and electrical resistivity properties of carbon fiber-reinforced polyetheretherketone and polyethersulphone. <i>Polymer Composites</i> , 2007, 28, 785-796.	4.6	91
45	Mechanical, Thermal and Electrical Resisitivity Properties of Thermoplastic Composites Filled with Carbon Fibers and Carbon Particles. <i>Journal of Polymer Research</i> , 2007, 14, 121-127.	2.4	44
46	Synthesis and comparative evaluation of optical and electrochemical properties of Ni ⁺² and Pr ⁺³ ions co-doped mesoporous TiO ₂ nanoparticles with undoped Titania. <i>Applied Nanoscience (Switzerland)</i> , 0, , 1.	3.1	1