

Jeasmin Akter

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

268
citations

933447

10
h-index

1058476

14
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docs citations

17
times ranked

224
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Efficient and Sustainable ZnO/CuO/g-C ₃ N ₄ Photocatalyst for Wastewater Treatment under Visible Light through Heterojunction Development. <i>Catalysts</i> , 2022, 12, 151.	3.5	13
2	Enhancement of visible-light photocatalytic activity of ZnO/ZnS/g-C ₃ N ₄ by decreasing the bandgap and reducing the crystallite size via facile one-step fabrication. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 431, 114066.	3.9	5
3	Kinetically controlled selective synthesis of Cu ₂ O and CuO nanoparticles toward enhanced degradation of methylene blue using ultraviolet and sun light. <i>Materials Science in Semiconductor Processing</i> , 2021, 123, 105570.	4.0	47
4	Hierarchical Nanocauliflower Chemical Assembly Composed of Copper Oxide and Single-Walled Carbon Nanotubes for Enhanced Photocatalytic Dye Degradation. <i>Nanomaterials</i> , 2021, 11, 696.	4.1	15
5	Formation of chemical heterojunctions between ZnO nanoparticles and single-walled carbon nanotubes for synergistic enhancement of photocatalytic activity. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 413, 113260.	3.9	10
6	Selective growth of Ti ₃ ⁺ /TiO ₂ /CNT and Ti ₃ ⁺ /TiO ₂ /C nanocomposite for enhanced visible-light utilization to degrade organic pollutants by lowering TiO ₂ -bandgap. <i>Scientific Reports</i> , 2021, 11, 9490.	3.3	28
7	Subnanometer Thick Carbon-Layer-Encapsulated Silver Nanoparticles Selectively Neutralizing Human Cancer Cells and Pathogens through Controlled Release of Ag ⁺ Ions. <i>ACS Applied Nano Materials</i> , 2021, 4, 7295-7308.	5.0	7
8	Visible-light-driven enhanced photocatalytic performance using cadmium-doping of tungsten (VI) oxide and nanocomposite formation with graphitic carbon nitride disks. <i>Applied Surface Science</i> , 2021, 565, 150541.	6.1	16
9	Coherent CuO-ZnO nanobullets maneuvered for photocatalytic hydrogen generation and degradation of a persistent water pollutant under visible-light illumination. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106497.	6.7	14
10	Visible-light-active novel Fe^{2+} -Fe ₂ O ₃ /Ta ₃ N ₅ photocatalyst designed by band-edge tuning and interfacial charge transfer for effective treatment of hazardous pollutants. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106831.	6.7	12
11	An Efficient Preparation Method of ZnO Nanoparticles toward Enhanced Photocatalytic and Antibacterial Activity. <i>Materials Proceedings</i> , 2021, 4, 41.	0.2	0
12	A Nanocomposite of Silver Nanoparticles and Carbon Nanospheres for Photocatalytic Degradation of Methylene Blue under UV Irradiation. <i>Materials Proceedings</i> , 2021, 4, 40.	0.2	0
13	Heterojunction formation between copper(II) oxide nanoparticles and single-walled carbon nanotubes to enhance antibacterial performance. <i>International Journal of Pharmaceutics</i> , 2020, 590, 119937.	5.2	13
14	Enhanced Visible-Light Photocatalysis of Nanocomposites of Copper Oxide and Single-Walled Carbon Nanotubes for the Degradation of Methylene Blue. <i>Catalysts</i> , 2020, 10, 297.	3.5	40
15	Structural Transformation in Liquid Tellurium from Stillinger-Weber Potential. <i>Materials Proceedings</i> , 2020, 4, .	0.2	0
16	Chemical Assembly of Copper Oxide and Single Walled Carbon Nanotubes for Enhanced Photocatalytic Dye Degradation under Solar Light Irradiation. <i>Materials Proceedings</i> , 2020, 4, .	0.2	1
17	Enhanced Photocatalytic and Antibacterial Performance of ZnO Nanoparticles Prepared by an Efficient Thermolysis Method. <i>Catalysts</i> , 2019, 9, 608.	3.5	47