

Weiming Zhou

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

961
citations

623734

14
h-index

526287

27
g-index

30
all docs

30
docs citations

30
times ranked

937
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption of organic dyes from wastewater by metal-doped porous carbon materials. <i>Journal of Cleaner Production</i> , 2021, 284, 124773.	9.3	217
2	An overview of chlorophenols as contaminants and their removal from wastewater by adsorption: A review. <i>Journal of Environmental Management</i> , 2019, 241, 59-75.	7.8	157
3	Microcrystalline cellulose (MCC) based materials as emerging adsorbents for the removal of dyes and heavy metals – A review. <i>Science of the Total Environment</i> , 2020, 717, 135070.	8.0	111
4	Synergies between the microwave reactor and CaO/zeolite catalyst in waste lard biodiesel production. <i>Renewable Energy</i> , 2020, 145, 2550-2560.	8.9	103
5	A review on the preparation, characterization and potential application of perovskites as adsorbents for wastewater treatment. <i>Chemosphere</i> , 2020, 244, 125474.	8.2	58
6	Critical insights into the effects of bio-based additives on biodiesels properties. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 102, 83-95.	16.4	30
7	Synthesis, properties and photocatalytic activity of a semiconductor/cellulose composite for dye degradation-a review. <i>Cellulose</i> , 2020, 27, 595-609.	4.9	27
8	Synthesis, properties and effects of a multi-functional biodiesel fuel additive. <i>Fuel Processing Technology</i> , 2020, 198, 106228.	7.2	25
9	Template in situ synthesis of flower-like BiOBr/microcrystalline cellulose composites with highly visible-light photocatalytic activity. <i>Cellulose</i> , 2019, 26, 9529-9541.	4.9	23
10	High-Porosity Lamellar Films Prepared by a Multistage Assembly Strategy for Efficient Photothermal Water Evaporation and Power Generation. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 29099-29110.	8.0	22
11	Enhanced removal of prometryn using copper modified microcrystalline cellulose (Cu-MCC): optimization, isotherm, kinetics and regeneration studies. <i>Cellulose</i> , 2019, 26, 6241-6258.	4.9	21
12	Treatment methods for plant fibers for use as reinforcement in cement-based materials. <i>Cellulose</i> , 2021, 28, 5257.	4.9	19
13	Process optimization and synthesis of lanthanum-cobalt perovskite type nanoparticles (LaCoO ₃) prepared by modified proteic method: Application of response surface methodology. <i>Korean Journal of Chemical Engineering</i> , 2019, 36, 1826-1838.	2.7	18
14	Modification of sugar-based carbon using lanthanum and cobalt bimetal species for effective adsorption of methyl orange. <i>Environmental Technology and Innovation</i> , 2021, 23, 101769.	6.1	17
15	Synthesis and characterization of triazole based sulfonated nanocrystalline cellulose proton conductor. <i>Cellulose</i> , 2020, 27, 3197-3209.	4.9	16
16	Methods for preparing and enhancing photocatalytic activity of basic bismuth nitrate. <i>Journal of Cleaner Production</i> , 2021, 294, 126350.	9.3	13
17	Melt rheology and properties of compatibilized recycled poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 107 Td (terephthalic acid) and Additive Technology, 2016, 22, 342-349.	3.4	12
18	A simple method for construction of Bi ₂ O ₃ /Bi ₆ O ₆ (OH) ₃ (NO ₃) ₃ ·1.5H ₂ O –n junction photocatalyst with superior photocatalytic performance. <i>Materials Letters</i> , 2020, 276, 128199.	2.6	12

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19	Oxygen-vacancy engineering approach to bismuth basic nitrate/g-C ₃ N ₄ heterostructure for efficiently photocatalytic hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 25832-25842.	7.1	12
20	Modification of BiOBr with cellulose nanocrystals to improve the photocatalytic performance under visible light. <i>Cellulose</i> , 2021, 28, 9893-9905.	4.9	11
21	Synthesis of a Novel Co-B/CTAB Catalyst via Solid-state-reaction at Room Temperature for Hydrolysis of Ammonia-borane. <i>Chemical Research in Chinese Universities</i> , 2020, 36, 1209-1216.	2.6	10
22	Modifications of hemp twine for use as a fiber in cement composite: effects of hybrid treatments. <i>Cellulose</i> , 2018, 25, 2009-2020.	4.9	7
23	Holistic solution to natural fiber deterioration in cement composite using hybrid treatments. <i>Cellulose</i> , 2020, 27, 981-989.	4.9	6
24	Optimized strategies for (BiO) ₂ CO ₃ and its application in the environment. <i>Environmental Science and Pollution Research</i> , 2021, 28, 56003-56031.	5.3	5
25	Trisodium citrate-assisted synthesis of BiOBr nanostructure catalyst for efficient activity under visible light. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 358-365.	2.7	3
26	Synthesis of a Novel Ag/Co ²⁺ /Bi/CTAB Catalyst via Chemical Reaction at Room Temperature for Hydrolysis of Ammonia Borane. <i>Energy Technology</i> , 2022, 10, .	3.8	3
27	Synthesis of Bi ₆ O ₆ (OH) ₃ (NO ₃) ₃ ·1.5H ₂ O/ZnO composite material with excellent photocatalytic hydrogen production performance. <i>International Journal of Smart and Nano Materials</i> , 0, , 1-13.	4.2	2
28	In-situ hydrothermal synthesis of Bi ₆ O ₆ (OH) ₃ (NO ₃) ₃ ·1.5H ₂ O-BiOCl heterojunction with highly photocatalytic hydrogen evolution activity. <i>Frontiers of Materials Science</i> , 2021, 15, 299-304.	2.2	1
29	Self-assembly of SiO ₂ films on aluminum flakes for corrosion protection. <i>Chemical Engineering Communications</i> , 2022, 209, 196-205.	2.6	0
30	Facile construction of a Bi ₆ O ₆ (OH) ₃ (NO ₃) ₃ ·1.5H ₂ O/Bi ₂ O ₂ CO ₃ heterojunction with enhanced photocatalytic degradation activity. <i>Korean Journal of Chemical Engineering</i> , 2022, 39, 913.	2.7	0