

# Zhanhui Yuan

## List of Publications by Year in descending order

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36  
papers

1,271  
citations

516710

16  
h-index

395702

33  
g-index

37  
all docs

37  
docs citations

37  
times ranked

1367  
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-assembly of SiO <sub>2</sub> films on aluminum flakes for corrosion protection. <i>Chemical Engineering Communications</i> , 2022, 209, 196-205.	2.6	0
2	Synthesis of a novel Co <sup>2+</sup> /CuNWs/CTAB catalyst via chemical reaction at room temperature for hydrolysis of ammonia-borane. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 2976-2991.	7.1	11
3	Facile construction of a Bi <sub>6</sub> O <sub>6</sub> (OH) <sub>3</sub> (NO <sub>3</sub> ) <sub>3</sub> ·1.5H <sub>2</sub> O/Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> heterojunction with enhanced photocatalytic degradation activity. <i>Korean Journal of Chemical Engineering</i> , 2022, 39, 913.	2.7	0
4	Multi-nanocomponent-assembled films with exceptional capacitance performance and electromagnetic interference shielding. <i>Materials Chemistry Frontiers</i> , 2022, 6, 2201-2210.	5.9	4
5	High-Porosity Lamellar Films Prepared by a Multistage Assembly Strategy for Efficient Photothermal Water Evaporation and Power Generation. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 29099-29110.	8.0	22
6	Synthesis of a Novel Ag/Co <sup>2+</sup> /B/CTAB Catalyst via Chemical Reaction at Room Temperature for Hydrolysis of Ammonia Borane. <i>Energy Technology</i> , 2022, 10, .	3.8	3
7	Adsorption of organic dyes from wastewater by metal-doped porous carbon materials. <i>Journal of Cleaner Production</i> , 2021, 284, 124773.	9.3	217
8	In-situ hydrothermal synthesis of Bi <sub>6</sub> O <sub>6</sub> (OH) <sub>3</sub> (NO <sub>3</sub> ) <sub>3</sub> ·1.5H <sub>2</sub> O-BiOCl heterojunction with highly photocatalytic hydrogen evolution activity. <i>Frontiers of Materials Science</i> , 2021, 15, 299-304.	2.2	1
9	Methods for preparing and enhancing photocatalytic activity of basic bismuth nitrate. <i>Journal of Cleaner Production</i> , 2021, 294, 126350.	9.3	13
10	Treatment methods for plant fibers for use as reinforcement in cement-based materials. <i>Cellulose</i> , 2021, 28, 5257.	4.9	19
11	Oxygen-vacancy engineering approach to bismuth basic nitrate/g-C <sub>3</sub> N <sub>4</sub> heterostructure for efficiently photocatalytic hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 25832-25842.	7.1	12
12	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
13	Modification of BiOBr with cellulose nanocrystals to improve the photocatalytic performance under visible light. <i>Cellulose</i> , 2021, 28, 9893-9905.	4.9	11
14	Optimized strategies for (BiO) <sub>2</sub> CO <sub>3</sub> and its application in the environment. <i>Environmental Science and Pollution Research</i> , 2021, 28, 56003-56031.	5.3	5
15	Recyclable amphiphilic porous thin-films as electrodes for high-performance potassium-ion transport and storage. <i>Materials Chemistry Frontiers</i> , 2021, 5, 3099-3109.	5.9	3
16	Synthesis, properties and effects of a multi-functional biodiesel fuel additive. <i>Fuel Processing Technology</i> , 2020, 198, 106228.	7.2	25
17	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
18	Holistic solution to natural fiber deterioration in cement composite using hybrid treatments. <i>Cellulose</i> , 2020, 27, 981-989.	4.9	6

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19	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
20	Preparation and evaluation of an effective activated carbon from white sugar for the adsorption of rhodamine B dye. <i>Journal of Cleaner Production</i> , 2020, 253, 119989.	9.3	161
21	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
22	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
23	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
24	A simple method for construction of Bi <sub>2</sub> O <sub>3</sub> /Bi <sub>6</sub> O <sub>6</sub> (OH) <sub>3</sub> (NO <sub>3</sub> ) <sub>3</sub> ·1.5H <sub>2</sub> O p-n junction photocatalyst with superior photocatalytic performance. <i>Materials Letters</i> , 2020, 276, 128199.	2.6	12
25	Highly compact nanochannel thin films with exceptional thermal conductivity and water pumping for efficient solar steam generation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 13927-13934.	10.3	28
26	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
27	Synthesis and characterization of triazole based sulfonated nanocrystalline cellulose proton conductor. <i>Cellulose</i> , 2020, 27, 3197-3209.	4.9	16
28	Process optimization and synthesis of lanthanum-cobalt perovskite type nanoparticles (LaCoO <sub>3</sub> ) prepared by modified proteic method: Application of response surface methodology. <i>Korean Journal of Chemical Engineering</i> , 2019, 36, 1826-1838.	2.7	18
29	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
30	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
31	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
32	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
33	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
34	Two-Dimensional Porous Polymers: From Sandwich-like Structure to Layered Skeleton. <i>Accounts of Chemical Research</i> , 2018, 51, 3191-3202.	15.6	108
35	Electromagnetic interference properties of carbon nanofiber-reinforced acrylonitrile-styrene-acrylate/natural graphite composites. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45455.	2.6	7
36	Synthesis of Bi <sub>6</sub> O <sub>6</sub> (OH) <sub>3</sub> (NO <sub>3</sub> ) <sub>3</sub> ·1.5H <sub>2</sub> 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