

Shouwei Zhang

List of Publications by Year in descending order

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46
papers

4,182
citations

101543

36
h-index

223800

46
g-index

47
all docs

47
docs citations

47
times ranked

5266
citing authors

#	ARTICLE	IF	CITATIONS
1	Hierarchical multi-active component yolk-shell nanoreactors as highly active peroxymonosulfate activator for ciprofloxacin degradation. <i>Journal of Colloid and Interface Science</i> , 2022, 605, 766-778.	9.4	37
2	Noble metal-free core-shell CdS/iron phthalocyanine Z-scheme photocatalyst for enhancing photocatalytic hydrogen evolution. <i>Journal of Materials Science and Technology</i> , 2022, 115, 199-207.	10.7	25
3	Sandwich-like P-doped h-BN/ZnIn ₂ S ₄ nanocomposite with direct Z-scheme heterojunction for efficient photocatalytic H ₂ and H ₂ O ₂ evolution. <i>Chemical Engineering Journal</i> , 2022, 442, 136151.	12.7	62
4	Construction of cobalt nanoparticles decorated intertwined N-doped carbon nanotube clusters with dual active sites for highly effective 4-nitrophenol reduction. <i>Journal of Alloys and Compounds</i> , 2021, 858, 158287.	5.5	5
5	Dopant and Defect Doubly Modified CeO ₂ /g-C ₃ N ₄ Nanosheets as OD/2D Z-Scheme Heterojunctions for Photocatalytic Hydrogen Evolution: Experimental and Density Functional Theory Studies. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 11479-11492.	6.7	36
6	MOF-derived CoN/N-C@SiO ₂ yolk-shell nanoreactor with dual active sites for highly efficient catalytic advanced oxidation processes. <i>Chemical Engineering Journal</i> , 2020, 381, 122670.	12.7	127
7	Activating and optimizing activity of CdS@g-C ₃ N ₄ heterojunction for photocatalytic hydrogen evolution through the synergistic effect of phosphorus doping and defects. <i>Journal of Alloys and Compounds</i> , 2020, 834, 155201.	5.5	21
8	Metal organic framework derived heteroatoms and cyano (C N) group co-decorated porous g-C ₃ N ₄ nanosheets for improved photocatalytic H ₂ evolution and uranium(VI) reduction. <i>Journal of Colloid and Interface Science</i> , 2020, 570, 125-134.	9.4	44
9	Efficient removal of metal contaminants by EDTA modified MOF from aqueous solutions. <i>Journal of Colloid and Interface Science</i> , 2019, 555, 403-412.	9.4	104
10	Constructing highly dispersed OD Co ₃ S ₄ quantum dots/2D g-C ₃ N ₄ nanosheets nanocomposites for excellent photocatalytic performance. <i>Science Bulletin</i> , 2019, 64, 1510-1517.	9.0	58
11	Engineering of Z-scheme 2D/3D architectures with Ni(OH) ₂ on 3D porous g-C ₃ N ₄ for efficiently photocatalytic H ₂ evolution. <i>Applied Catalysis B: Environmental</i> , 2019, 258, 117997.	20.2	164
12	Amidoxime-Functionalized Hollow Carbon Spheres for Efficient Removal of Uranium from Wastewater. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 10800-10807.	6.7	70
13	Constructing electrostatic self-assembled 2D/2D ultra-thin ZnIn ₂ S ₄ /protonated g-C ₃ N ₄ heterojunctions for excellent photocatalytic performance under visible light. <i>Applied Catalysis B: Environmental</i> , 2019, 256, 117862.	20.2	185
14	Three-Dimensional Hierarchical g-C ₃ N ₄ Architectures Assembled by Ultrathin Self-Doped Nanosheets: Extremely Facile Hexamethylenetetramine Activation and Superior Photocatalytic Hydrogen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 2050-2059.	8.0	103
15	Construction of dual defect mediated Z-scheme photocatalysts for enhanced photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2019, 245, 399-409.	20.2	174
16	Surface Area- and Structure-Dependent Effects of LDH for Highly Efficient Dye Removal. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 905-915.	6.7	39
17	Ultrathin g-C ₃ N ₄ nanosheets coupled with amorphous Cu-doped FeOOH nanoclusters as 2D/OD heterogeneous catalysts for water remediation. <i>Environmental Science: Nano</i> , 2018, 5, 1179-1190.	4.3	156
18	Fabrication of Hierarchical ZnO@NiO Core-Shell Heterostructures for Improved Photocatalytic Performance. <i>Nanoscale Research Letters</i> , 2018, 13, 260.	5.7	22

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19	Construction of 3DOM Carbon Nitrides with Quasi-Honeycomb Structures for Efficient Photocatalytic H ₂ Production. ChemCatChem, 2018, 10, 5656-5664.	3.7	21
20	New Properties of Two-Dimensional Materials: Highly Effective Thermal Catalytic Degradation Activity. ChemistrySelect, 2018, 3, 10133-10138.	1.5	1
21	Strongly Coupled g-C ₃ N ₄ Nanosheets/Co ₃ O ₄ Quantum Dots as 2D/0D Heterostructure Composite for Peroxymonosulfate Activation. Small, 2018, 14, e1801353.	10.0	284
22	Enhanced Dye-Sensitized Solar Cell Efficiency by Insertion of a H ₃ PW ₁₂ O ₄₀ Layer Between the Transparent Conductive Oxide Layer and the Compact TiO ₂ Layer. Science of Advanced Materials, 2018, 10, 867-871.	0.7	4
23	One-pot hydrothermal synthesis of CdS decorated CuS microflower-like structures for enhanced photocatalytic properties. Scientific Reports, 2017, 7, 3877.	3.3	51
24	Cellulose Fibers Constructed Convenient Recyclable 3D Graphene-Formicary-like Bi ₂ O ₃ Aerogels for the Selective Capture of Iodide. ACS Applied Materials & Interfaces, 2017, 9, 20554-20560.	8.0	38
25	One-pot Synthesis of CdS Irregular Nanospheres Hybridized with Oxygen-Incorporated Defect-Rich MoS ₂ Ultrathin Nanosheets for Efficient Photocatalytic Hydrogen Evolution. ACS Applied Materials & Interfaces, 2017, 9, 23635-23646.	8.0	178
26	Hierarchical flowerlike metal/metal oxide nanostructures derived from layered double hydroxides for catalysis and gas sensing. Journal of Materials Chemistry A, 2017, 5, 23999-24010.	10.3	43
27	Constructing the novel ultrafine amorphous iron oxyhydroxide/g-C ₃ N ₄ nanosheets heterojunctions for highly improved photocatalytic performance. Scientific Reports, 2017, 7, 8686.	3.3	53
28	In-situ synthesis of amorphous silver silicate/carbonate composites for selective visible-light photocatalytic decomposition. Scientific Reports, 2017, 7, 15001.	3.3	37
29	Unexpected ultrafast and high adsorption capacity of oxygen vacancy-rich WO _x /C nanowire networks for aqueous Pb ²⁺ and methylene blue removal. Journal of Materials Chemistry A, 2017, 5, 15913-15922.	10.3	150
30	Rice husks as a sustainable silica source for hierarchical flower-like metal silicate architectures assembled into ultrathin nanosheets for adsorption and catalysis. Journal of Hazardous Materials, 2017, 321, 92-102.	12.4	136
31	ZnO@CdS Core-Shell Heterostructures: Fabrication, Enhanced Photocatalytic, and Photoelectrochemical Performance. Nanoscale Research Letters, 2016, 11, 205.	5.7	51
32	Hybrid 0D/2D Nanoheterostructures: In Situ Growth of Amorphous Silver Silicates Dots on g-C ₃ N ₄ Nanosheets for Full-Spectrum Photocatalysis. ACS Applied Materials & Interfaces, 2016, 8, 35138-35149.	8.0	111
33	Reduced interfacial recombination in dye-sensitized solar cells assisted with NiO:Eu ³⁺ , Tb ³⁺ coated TiO ₂ film. Scientific Reports, 2016, 6, 31123.	3.3	49
34	Improving the photovoltaic performance of dye sensitized solar cells based on a hierarchical structure with up/down converters. RSC Advances, 2016, 6, 11880-11887.	3.6	15
35	Formation of Fe ₃ O ₄ @MnO ₂ ball-in-ball hollow spheres as a high performance catalyst with enhanced catalytic performances. Journal of Materials Chemistry A, 2016, 4, 1414-1422.	10.3	248
36	Hierarchical nanocomposites of polyaniline nanorods arrays on graphitic carbon nitride sheets with synergistic effect for photocatalysis. Catalysis Today, 2014, 224, 114-121.	4.4	73

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37	Amidoxime-functionalized magnetic mesoporous silica for selective sorption of U(^{VI}). RSC Advances, 2014, 4, 32710.	3.6	135
38	Fabrication of Fe/Fe ₃ C@porous carbon sheets from biomass and their application for simultaneous reduction and adsorption of uranium(^{VI}) from solution. Inorganic Chemistry Frontiers, 2014, 1, 641.	6.0	86
39	Surface functional groups and defects on carbon nanotubes affect adsorption-desorption hysteresis of metal cations and oxoanions in water. Environmental Science: Nano, 2014, 1, 488-495.	4.3	69
40	Hierarchically grown CdS/Fe ₂ O ₃ heterojunction nanocomposites with enhanced visible-light-driven photocatalytic performance. Dalton Transactions, 2013, 42, 13417.	3.3	65
41	Superior adsorption capacity of hierarchical iron oxide@magnesium silicate magnetic nanorods for fast removal of organic pollutants from aqueous solution. Journal of Materials Chemistry A, 2013, 1, 11691.	10.3	133
42	In Situ Synthesis of Water-Soluble Magnetic Graphitic Carbon Nitride Photocatalyst and Its Synergistic Catalytic Performance. ACS Applied Materials & Interfaces, 2013, 5, 12735-12743.	8.0	290
43	Efficient enrichment of uranium(VI) on amidoximated magnetite/graphene oxide composites. RSC Advances, 2013, 3, 18952.	3.6	147
44	Polyaniline nanorods dotted on graphene oxide nanosheets as a novel super adsorbent for Cr(VI). Dalton Transactions, 2013, 42, 7854.	3.3	151
45	Visible-Light Photocatalytic Degradation of Methylene Blue Using SnO ₂ /Fe ₂ O ₃ Hierarchical Nanoheterostructures. ChemPlusChem, 2013, 78, 192-199.	2.8	69
46	Synthesis of TiO ₂ Nanoparticles on Plasma-Treated Carbon Nanotubes and Its Application in Photoanodes of Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2011, 115, 22025-22034.	3.1	62