

Junyou Shi

List of Publications by Year in descending order

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31
papers

1,753
citations

331670

21
h-index

454955

30
g-index

31
all docs

31
docs citations

31
times ranked

1511
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of ternary Ag ₃ PO ₄ /Co ₃ (PO ₄) ₂ /g-C ₃ N ₄ heterostructure with following Type II and Z-Scheme dual pathways for enhanced visible-light photocatalytic activity. <i>Journal of Hazardous Materials</i> , 2020, 389, 121907.	12.4	262
2	A direct one-step synthesis of ultrathin g-C ₃ N ₄ nanosheets from thiourea for boosting solar photocatalytic H ₂ evolution. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 7194-7204.	7.1	164
3	Graphitic carbon nitride quantum dots and nitrogen-doped carbon quantum dots co-decorated with BiVO ₄ microspheres: A ternary heterostructure photocatalyst for water purification. <i>Separation and Purification Technology</i> , 2019, 226, 117-127.	7.9	155
4	Rational copolymerization strategy engineered C self-doped g-C ₃ N ₄ for efficient and robust solar photocatalytic H ₂ evolution. <i>Renewable Energy</i> , 2021, 178, 757-765.	8.9	130
5	Carbon dots anchored high-crystalline g-C ₃ N ₄ as a metal-free composite photocatalyst for boosted photocatalytic degradation of tetracycline under visible light. <i>Journal of Materials Science</i> , 2021, 56, 2226-2240.	3.7	106
6	Rapid polymerization synthesizing high-crystalline g-C ₃ N ₄ towards boosting solar photocatalytic H ₂ generation. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 6425-6436.	7.1	104
7	Enhanced photocatalytic activity of g-C ₃ N ₄ quantum dots/Bi _{3.64} Mo _{0.36} O _{6.55} nanospheres composites. <i>Journal of Solid State Chemistry</i> , 2020, 287, 121347.	2.9	94
8	Fabrication of a ternary carbon dots/CoO/g-C ₃ N ₄ nanocomposite photocatalyst with enhanced visible-light-driven photocatalytic hydrogen production. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 2129-2138.	3.2	83
9	A bottom-up acidification strategy engineered ultrathin g-C ₃ N ₄ nanosheets towards boosting photocatalytic hydrogen evolution. <i>Carbon</i> , 2020, 163, 234-243.	10.3	81
10	A curly architected graphitic carbon nitride (g-C ₃ N ₄) towards efficient visible-light photocatalytic H ₂ evolution. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 347-355.	6.0	71
11	Heteroatom-Doped Pillared Porous Carbon Architectures with Ultrafast Electron and Ion Transport Capabilities under High Mass Loadings for High-Rate Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 8664-8674.	6.7	56
12	Tailoring the Synergistic Bronsted-Lewis acidic effects in Heteropolyacid catalysts: Applied in Esterification and Transesterification Reactions. <i>Scientific Reports</i> , 2015, 5, 13764.	3.3	41
13	Lewis-acid-promoted catalytic cascade conversion of glycerol to lactic acid by polyoxometalates. <i>Chemical Communications</i> , 2016, 52, 3332-3335.	4.1	39
14	Heteropolyacid-Catalyzed Oxidation of Glycerol into Lactic Acid under Mild Base-Free Conditions. <i>ChemSusChem</i> , 2015, 8, 4195-4201.	6.8	38
15	Plant Polyphenol-Inspired Crosslinking Strategy toward High Bonding Strength and Mildew Resistance for Soy Protein Adhesives. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2100543.	3.6	35
16	A facile and scalable route for synthesizing ultrathin carbon nitride nanosheets with efficient solar hydrogen evolution. <i>Carbon</i> , 2018, 136, 160-167.	10.3	33
17	Construction of C ₆₀ -decorated SWCNTs (C ₆₀ -CNTs)/bismuth-based oxide ternary heterostructures with enhanced photocatalytic activity. <i>RSC Advances</i> , 2017, 7, 53847-53854.	3.6	31
18	Significant enhancement of photocatalytic H ₂ production simultaneous with dye degradation over Ni ₂ P modified In ₂ O ₃ nanocomposites. <i>Separation and Purification Technology</i> , 2021, 263, 118366.	7.9	30

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19	Preparation and characterization of cotton fabric with potential use in UV resistance and oil reclaim. Carbohydrate Polymers, 2016, 137, 264-270.	10.2	29
20	Waste fruit grain orange-derived 3D hierarchically porous carbon for high-performance all-solid-state supercapacitor. Ionics, 2019, 25, 3935-3944.	2.4	27
21	Ionic imprinted CNTs-chitosan hybrid sponge with 3D network structure for selective and effective adsorption of Gd(III). Separation and Purification Technology, 2021, 269, 118792.	7.9	26
22	Preparation and characterization of film of poly vinyl acetate ethylene copolymer emulsion. Applied Surface Science, 2013, 276, 223-228.	6.1	21
23	Biomass-Based N, P, and S Self-Doped Porous Carbon for High-Performance Supercapacitors. ACS Sustainable Chemistry and Engineering, 0, , .	6.7	19
24	Oxidative Desulfurization by Oxygen Using Amphiphilic Quaternary Ammonium Peroxovanadium Polyoxometalates. Catalysis Surveys From Asia, 2015, 19, 257-264.	2.6	15
25	Preparation of an ion imprinted chitosan-based porous film with an interpenetrating network structure for efficient selective adsorption of Gd(III). New Journal of Chemistry, 2021, 45, 725-734.	2.8	12
26	Assembling g-C ₃ N ₄ nanosheets on rod-like CoFe ₂ O ₄ nanocrystals to boost photocatalytic degradation of ciprofloxacin with peroxydisulfate activation. Materials Today Communications, 2021, 29, 102871.	1.9	12
27	N and S co-doped 3D hierarchical porous carbon as high-performance electrode material for supercapacitors. Diamond and Related Materials, 2022, 126, 109080.	3.9	11
28	One-step preparation of N,O co-doped 3D hierarchically porous carbon derived from soybean dregs for high-performance supercapacitors. RSC Advances, 2019, 9, 17308-17317.	3.6	10
29	Hydrogen peroxide as an oxidant in starch oxidation using molybdovanadophosphate for producing a high carboxylic content. RSC Advances, 2015, 5, 45725-45730.	3.6	8
30	Review: cascade reactions for conversion of carbohydrates using heteropolyacids as the solid catalysts. Biomass Conversion and Biorefinery, 2022, 12, 2313-2331.	4.6	7
31	Rational fabrication of a new ionic imprinted carboxymethyl chitosan-based sponge for efficient selective adsorption of Gd(III). RSC Advances, 2022, 12, 3097-3107.	3.6	3