Xiang Zhang

List of Publications by Year
in descending order

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31 papers	1,762 citations	471509 17 h-index	454955 30 g-index
31 all docs	31 docs citations	31 times ranked	2614 citing authors

#	Article	IF	Citations
1	MoS₂/CdS Nanosheets-on-Nanorod Heterostructure for Highly Efficient Photocatalytic H₂ Generation under Visible Light Irradiation. ACS Applied Materials & Interfaces, 2016, 8, 15258-15266.	8.0	426
2	Amyloid fibril structure of Î±-synuclein determined by cryo-electron microscopy. Cell Research, 2018, 28, 897-903.	12.0	339
3	Tunable assembly of amyloid-forming peptides into nanosheets as a retrovirus carrier. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2996-3001.	7.1	123
4	Photoelectrochemical energy storage materials: design principles and functional devices towards direct solar to electrochemical energy storage. Chemical Society Reviews, 2022, 51, 1511-1528.	38.1	113
5	The construction of a two-dimensional supramolecular organic framework with parallelogram pores and stepwise fluorescence enhancement. Chemical Communications, 2015, 51, 16417-16420.	4.1	106
6	Precise and Reversible Protein-Microtubule-Like Structure with Helicity Driven by Dual Supramolecular Interactions. Journal of the American Chemical Society, 2016, 138, 1932-1937.	13.7	85
7	Total Synthesis of Aplysiasecosterol A. Journal of the American Chemical Society, 2018, 140, 9211-9218.	13.7	80
8	Partially fluorinated poly(arylene ether)s bearing long alkyl sulfonate side chains for stable and highly conductive proton exchange membranes. Journal of Membrane Science, 2018, 549, 12-22.	8.2	56
9	MoSe2â€“CoSe2/N-doped graphene aerogel nanocomposites with high capacity and excellent stability for lithium-ion batteries. Journal of Power Sources, 2019, 439, 227112.	7.8	55
10	Total Syntheses of Echitamine, Akuammiline, Rhazicine, and Pseudoakuammigine. Angewandte Chemie - International Edition, 2019, 58, 6053-6058.	13.8	48
11	Nanoscale Doubleâ€Heterojunctional Electrocatalyst for Hydrogen Evolution. Advanced Science, 2022, 9, e2201339.	11.2	39
12	Photo-assisted charge/discharge Li-organic battery with a charge-separated and redox-active C₆₀@porous organic cage cathode. Energy and Environmental Science, 2022, 15, 780-785.	30.8	37
13	Total Syntheses of Echitamine, Akuammiline, Rhazicine, and Pseudoakuammigine. Angewandte Chemie, 2019, 131, 6114-6119.	2.0	36
14	Different Heat Shock Proteins Bind Î±-Synuclein With Distinct Mechanisms and Synergistically Prevent Its Amyloid Aggregation. Frontiers in Neuroscience, 2019, 13, 1124.	2.8	35
15	Co_{0.85}Se Nanoparticles Encapsulated by Nitrogen-Enriched Hierarchically Porous Carbon for High-Performance Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 9236-9247.	8.0	30
16	Heat shock protein 104 (HSP104) chaperones soluble Tau via a mechanism distinct from its disaggregase activity. Journal of Biological Chemistry, 2019, 294, 4956-4965.	3.4	28
17	One-step synthesis of ternary MnO2â€“Fe2O3â€“CeO2â€“Ce2O3/CNT catalysts for use in low-temperature NO reduction with NH3. Catalysis Communications, 2015, 71, 46-50.	3.3	22
18	Elucidation of the Structure of Pseudorubriflordilactone B by Chemical Synthesis. Journal of the American Chemical Society, 2020, 142, 13701-13708.	13.7	18

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19	â€œOxynitride trapâ€•over N/S co-doped graphene-supported catalysts promoting low temperature NH3-SCR performance: Insight into the structure and mechanisms. Journal of Hazardous Materials, 2022, 423, 127187.	12.4	18
20	Graphite felt decorated with porous NiCo2O4 nanosheets for high-performance pseudocapacitor electrodes. Journal of Materials Science, 2017, 52, 5179-5187.	3.7	15
21	Preparation of graphene intercalated magnesium silicate for enhancing the thermal stability and thermal conductivity of ethylene-vinyl acetate copolymer. Polymer, 2020, 193, 122332.	3.8	15
22	Side Chain Engineering of Sulfonated Poly(arylene ether)s for Proton Exchange Membranes. Chinese Journal of Polymer Science (English Edition), 2020, 38, 644-652.	3.8	11
23	Nitrogen doped graphite felt decorated with porous Ni_{1.4}Co_{1.6}S₄ nanosheets for 3D pseudocapacitor electrodes. RSC Advances, 2017, 7, 13406-13415.	3.6	8
24	Wide Potential CO₂â€toâ€CO Electroreduction Relies on Pyridinicâ€N/Niâ€“N_x Sites and Its Znâ€“CO₂ Battery Application. Energy Technology, 2021, 9, 2100205.	3.8	8
25	Synthesis of poly(p-phenylenediamine) encapsulated graphene and its application in steel protection. Progress in Organic Coatings, 2021, 158, 106330.	3.9	5
26	Protonâ€anion Ionâ€pair Recognition by a Hexaazatriphenyleneâ€Hexaurea Receptor. Chinese Journal of Chemistry, 2017, 35, 392-396.	4.9	2
27	A study of hot pixels induced by proton and neutron irradiations in charge coupled devices. Radiation Effects and Defects in Solids, 2020, 175, 540-550.	1.2	1
28	Displacement damage effects induced by fast neutron in backside-illuminated CMOS image sensors. Journal of Nuclear Science and Technology, 2020, 57, 1015-1021.	1.3	1
29	Facile synthesis of RuOx/SiC/C for photoelectrocatalysis. Inorganic Chemistry Frontiers, 2021, 8, 3733-3739.	6.0	1
30	Effect of proton radiation on 8T CMOS image sensors for space applications. Radiation Effects and Defects in Solids, 2021, 176, 612-620.	1.2	1
31	Investigation of random telegraph signal in CMOS image sensors irradiated by protons.. Journal of Nuclear Science and Technology, 2021, 58, 610-619.	1.3	0