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	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
2	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
3	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
4	Nanoscale Doubleâ€Heterojunctional Electrocatalyst for Hydrogen Evolution. Advanced Science, 2022, 9, e2201339.	11.2	39
5	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
6	Facile synthesis of RuOx/SiC/C for photoelectrocatalysis. Inorganic Chemistry Frontiers, 2021, 8, 3733-3739.	6.0	1
7	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
8	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
9	Synthesis of poly(p-phenylenediamine) encapsulated graphene and its application in steel protection. Progress in Organic Coatings, 2021, 158, 106330.	3.9	5
10	Elucidation of the Structure of Pseudorubriflordilactone B by Chemical Synthesis. Journal of the American Chemical Society, 2020, 142, 13701-13708.	13.7	18
11	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
12	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
13	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
14	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
15	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
16	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
17	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
18	Total Syntheses of Echitamine, Akuammiline, Rhazicine, and Pseudoakuammigine. Angewandte Chemie, 2019, 131, 6114-6119.	2.0	36

#	ARTICLE	IF	CITATIONS
19	Total Syntheses of Echitamine, Akuammiline, Rhazicine, and Pseudoakuammigine. Angewandte Chemie - International Edition, 2019, 58, 6053-6058.	13.8	48
20	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
21	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
22	Total Synthesis of Aplysiasecosterol A. Journal of the American Chemical Society, 2018, 140, 9211-9218.	13.7	80
23	Amyloid fibril structure of Î±-synuclein determined by cryo-electron microscopy. Cell Research, 2018, 28, 897-903.	12.0	339
24	Graphite felt decorated with porous NiCo2O4 nanosheets for high-performance pseudocapacitor electrodes. Journal of Materials Science, 2017, 52, 5179-5187.	3.7	15
25	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
26	Protonâ€anion Ionâ€pair Recognition by a Hexaazatriphenyleneâ€Hexaurea Receptor. Chinese Journal of Chemistry, 2017, 35, 392-396.	4.9	2
27	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
28	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
29	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
30	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
31	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