Kedong Xia

List of Publications by Year
in descending order

21 papers	1,338 citations	516710 16 h-index	713466 21 g-index
21 all docs	21 docs citations	21 times ranked	2235 citing authors

#	Article	IF	Citations
1	Porous Structured Niâ€“Feâ€“P Nanocubes Derived from a Prussian Blue Analogue as an Electrocatalyst for Efficient Overall Water Splitting. ACS Applied Materials & Interfaces, 2017, 9, 26134-26142.	8.0	220
2	Facile preparation of carbon sphere supported molybdenum compounds (P, C and S) as hydrogen evolution electrocatalysts in acid and alkaline electrolytes. Nano Energy, 2017, 32, 511-519.	16.0	143
3	Controllable synthesis of molybdenum-based electrocatalysts for a hydrogen evolution reaction. Journal of Materials Chemistry A, 2017, 5, 4879-4885.	10.3	110
4	MoS₂â€“MoP heterostructured nanosheets on polymer-derived carbon as an electrocatalyst for hydrogen evolution reaction. Journal of Materials Chemistry A, 2018, 6, 616-622.	10.3	104
5	Heteroatom (P, B, or S) incorporated NiFe-based nanocubes as efficient electrocatalysts for the oxygen evolution reaction. Journal of Materials Chemistry A, 2018, 6, 7062-7069.	10.3	98
6	Hierarchically Porous Electrocatalyst with Vertically Aligned Defect-Rich CoMoS Nanosheets for the Hydrogen Evolution Reaction in an Alkaline Medium. ACS Applied Materials & Interfaces, 2017, 9, 5288-5294.	8.0	93
7	Self-supported ternary Ni-Fe-P nanosheets derived from metal-organic frameworks as efficient overall water splitting electrocatalysts. Electrochimica Acta, 2017, 258, 423-432.	5.2	90
8	Effects of crystal phase and composition on structurally ordered Ptâ€“Coâ€“Ni/C ternary intermetallic electrocatalysts for the formic acid oxidation reaction. Journal of Materials Chemistry A, 2018, 6, 5848-5855.	10.3	66
9	Preparation of anti-oxidative SiC/SiO2 coating on carbon fibers from vinyltriethoxysilane by solâ€“gel method. Applied Surface Science, 2013, 265, 603-609.	6.1	62
10	Effect of KOH etching on the structure and electrochemical performance of SiOC anodes for lithium-ion batteries. Electrochimica Acta, 2017, 245, 287-295.	5.2	61
11	Composition-dependent electrocatalytic activities of NiFe-based selenides for the oxygen evolution reaction. Electrochimica Acta, 2018, 291, 64-72.	5.2	58
12	Biomass derived nitrogen doped carbon with porous architecture as efficient electrode materials for supercapacitors. Chinese Chemical Letters, 2017, 28, 2227-2230.	9.0	47
13	Superior nitrogen-doped activated carbon materials for water cleaning and energy storing prepared from renewable leather wastes. Environment International, 2020, 142, 105846.	10.0	40
14	Ultrafine molybdenum carbide nanoparticles supported on nitrogen doped carbon nanosheets for hydrogen evolution reaction. Chinese Chemical Letters, 2019, 30, 192-196.	9.0	32
15	Carbon-enriched SiOC ceramics with hierarchical porous structure as anodes for lithium storage. Electrochimica Acta, 2021, 372, 137899.	5.2	32
16	Various Structured Molybdenum-based Nanomaterials as Advanced Anode Materials for Lithium ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 12366-12372.	8.0	29
17	Effect of SnCl2 addition on the structure and lithium storage performance of SiOC anodes. Applied Surface Science, 2020, 506, 144775.	6.1	16
18	The surface carboxyl group of carbonaceous microspheres effects on the synthesis and structure of SiOC ceramics. Journal of the European Ceramic Society, 2021, 41, 2375-2385.	5.7	13

#	Article	IF	Citations
19	Effect of vinyltriethoxysilane addition on the pyrolytic conversion of tetraethoxysilane based silica gel. Journal of Sol-Gel Science and Technology, 2014, 69, 266-271.	2.4	9
20	Effect of HF and NaOH etching on the composition and structure of SiOC ceramics. Ceramics International, 2022, 48, 1789-1795.	4.8	9
21	Microwave-assisted solvothermal synthesis of hollow mesoporous SiOC ceramics in NaOH solution. Ceramics International, 2022, 48, 19232-19239.	4.8	6