

Qiucheng Xu

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,895
citations

471061

17
h-index

642321

23
g-index

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all docs

23
docs citations

23
times ranked

2074
citing authors

#	ARTICLE	IF	CITATIONS
1	Strongly coupled N-doped graphene quantum dots/Ni(Fe)O _x Hy electrocatalysts with accelerated reaction kinetics for water oxidation. <i>Chemical Engineering Journal</i> , 2022, 430, 133068.	6.6	17
2	Engineering V ₂ O ₃ nanoarrays with abundant localized defects towards high-voltage aqueous supercapacitors. <i>Journal of Materials Chemistry A</i> , 2022, 10, 4825-4832.	5.2	6
3	Fe-doped and sulfur-enriched Ni ₃ S ₂ nanowires with enhanced reaction kinetics for boosting water oxidation. <i>Green Chemical Engineering</i> , 2022, 3, 367-373.	3.3	14
4	Fluorination-enabled Reconstruction of NiFe Electrocatalysts for Efficient Water Oxidation. <i>Nano Letters</i> , 2021, 21, 492-499.	4.5	190
5	Atomic heterointerface engineering overcomes the activity limitation of electrocatalysts and promises highly-efficient alkaline water splitting. <i>Energy and Environmental Science</i> , 2021, 14, 5228-5259.	15.6	198
6	Fluorine-triggered surface reconstruction of Ni ₃ S ₂ electrocatalysts towards enhanced water oxidation. <i>Chemical Engineering Journal</i> , 2021, 411, 128488.	6.6	78
7	Oxygen Electrocatalysis on Mixed-Metal Oxides/Oxyhydroxides: From Fundamentals to Membrane Electrolyzer Technology. <i>Accounts of Materials Research</i> , 2021, 2, 548-558.	5.9	41
8	Fluorine-activation driving surface reconstruction on CoNi nanoparticles for high-energy supercapacitors. <i>Chemical Engineering Science</i> , 2021, 240, 116649.	1.9	11
9	Dual-defective Co ₃ O ₄ nanoarrays enrich target intermediates and promise high-efficient overall water splitting. <i>Chemical Engineering Journal</i> , 2021, 424, 130328.	6.6	52
10	Integrated Reference Electrodes in Anion-Exchange-Membrane Electrolyzers: Impact of Stainless-Steel Gas-Diffusion Layers and Internal Mechanical Pressure. <i>ACS Energy Letters</i> , 2021, 6, 305-312.	8.8	63
11	Interfacial charge polarization in Co ₂ P ₂ O ₇ @N, P co-doped carbon nanocages as Mott-Schottky electrocatalysts for accelerating oxygen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2020, 268, 118417.	10.8	90
12	Membrane Electrolyzers for Impure-Water Splitting. <i>Joule</i> , 2020, 4, 2549-2561.	11.7	102
13	Selenium vacancy triggered atomic disordering of Co _{0.85} Se nanoparticles towards a highly-active electrocatalyst for water oxidation. <i>Chemical Communications</i> , 2020, 56, 14451-14454.	2.2	14
14	Cobalt-stabilized oxygen vacancy of V ₂ O ₅ nanosheet arrays with delocalized valence electron for alkaline water splitting. <i>Chemical Engineering Science</i> , 2020, 227, 115915.	1.9	26
15	In-situ enriching active sites on co-doped Fe-Co ₄ N@N-C nanosheet array as air cathode for flexible rechargeable Zn-air batteries. <i>Applied Catalysis B: Environmental</i> , 2019, 256, 117893.	10.8	184
16	Tailorable surface sulfur chemistry of mesoporous Ni ₃ S ₂ particles for efficient oxygen evolution. <i>Journal of Materials Chemistry A</i> , 2019, 7, 7548-7552.	5.2	72
17	Interface-strengthened CoP nanosheet array with Co ₂ P nanoparticles as efficient electrocatalysts for overall water splitting. <i>Journal of Energy Chemistry</i> , 2019, 37, 1-6.	7.1	81
18	Unsaturated Sulfur Edge Engineering of Strongly Coupled MoS ₂ Nanosheet@Carbon Macroporous Hybrid Catalyst for Enhanced Hydrogen Generation. <i>Advanced Energy Materials</i> , 2019, 9, 1802553.	10.2	159

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19	Rapid low-temperature synthesis of hollow Cu ₂ S nanoparticles for efficient electrocatalytic water oxidation. <i>Chemical Engineering Science</i> , 2019, 195, 665-670.	1.9	28
20	Heterogeneous interface engineered atomic configuration on ultrathin Ni(OH) ₂ /Ni ₃ S ₂ nanoforests for efficient water splitting. <i>Applied Catalysis B: Environmental</i> , 2019, 242, 60-66.	10.8	332
21	Phosphorus-driven mesoporous Co ₃ O ₄ nanosheets with tunable oxygen vacancies for the enhanced oxygen evolution reaction. <i>Electrochimica Acta</i> , 2018, 259, 962-967.	2.6	119
22	Modulating the Volmer Step by MOF Derivatives Assembled with Heterogeneous Ni ₂ -P-CoP Nanocrystals in Alkaline Hydrogen Evolution Reaction. <i>Journal of the Electrochemical Society</i> , 2018, 165, F1286-F1291.	1.3	13