

Qiucheng Xu

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,895
citations

471371

17
h-index

642610

23
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23
all docs

23
docs citations

23
times ranked

2074
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | Fluorination-enabled Reconstruction of NiFe Electrocatalysts for Efficient Water Oxidation. <i>Nano Letters</i> , 2021, 21, 492-499. | 4.5 | 190 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | Membrane Electrolyzers for Impure-Water Splitting. <i>Joule</i> , 2020, 4, 2549-2561. | 11.7 | 102 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |
| 13 | 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 |
| 14 | 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 |
| 15 | 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 |
| 16 | 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 |
| 17 | Strongly coupled N-doped graphene quantum dots/Ni(Fe) _x O _y electrocatalysts with accelerated reaction kinetics for water oxidation. <i>Chemical Engineering Journal</i> , 2022, 430, 133068. | 6.6 | 17 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | Fluorine-activation driving surface reconstruction on CoNi nanoparticles for high-energy supercapacitors. <i>Chemical Engineering Science</i> , 2021, 240, 116649. | 1.9 | 11 |
| 22 | 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 |