

Non-precious-metal catalysts for alkaline water electro-
characterizations, theoretical calculations, and recent a

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Atomically Dispersed Reactive Centers for Electrocatalytic CO ₂ Reduction and Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 13177-13196.	7.2	143
2	Atomically Dispersed Reactive Centers for Electrocatalytic CO ₂ Reduction and Water Splitting. <i>Angewandte Chemie</i> , 2021, 133, 13285-13304.	1.6	20
3	Two-Dimensional Porous Molybdenum Phosphide/Nitride Heterojunction Nanosheets for pH-Universal Hydrogen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6673-6681.	7.2	227
4	Thermally activated carbon-nitrogen vacancies in double-shelled NiFe Prussian blue analogue nanocages for enhanced electrocatalytic oxygen evolution. <i>Journal of Materials Chemistry A</i> , 2021, 9, 12734-12745.	5.2	25
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	Recent advances in doped ruthenium oxides as high-efficiency electrocatalysts for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2021, 9, 15506-15521.	5.2	73
7	Pyrolysis-free polymer-based oxygen electrocatalysts. <i>Energy and Environmental Science</i> , 2021, 14, 2789-2808.	15.6	55
8	Boosting electrocatalytic oxygen evolution activity of bimetallic CoFe selenite by exposing specific crystal facets. <i>New Journal of Chemistry</i> , 0, , .	1.4	4
9	Recent advances in activating surface reconstruction for the high-efficiency oxygen evolution reaction. <i>Chemical Society Reviews</i> , 2021, 50, 8428-8469.	18.7	452
10	Ultrathin metal-organic framework nanosheet arrays and derived self-supported electrodes for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2021, 9, 22597-22602.	5.2	41
11	Anodic hydrazine oxidation assisted hydrogen evolution over bimetallic RhIr mesoporous nanospheres. <i>Journal of Materials Chemistry A</i> , 2021, 9, 18323-18328.	5.2	21
12	Interface engineering of cobalt-sulfide-selenium core-shell nanostructures as bifunctional electrocatalysts toward overall water splitting. <i>Nanoscale</i> , 2021, 13, 6890-6901.	2.8	12
13	Transition metal-based catalysts for electrochemical water splitting at high current density: current status and perspectives. <i>Nanoscale</i> , 2021, 13, 12788-12817.	2.8	142
14	Two-Dimensional Porous Molybdenum Phosphide/Nitride Heterojunction Nanosheets for pH-Universal Hydrogen Evolution Reaction. <i>Angewandte Chemie</i> , 2021, 133, 6747-6755.	1.6	25
15	Spatial Confinement of a Carbon Nanocone for an Efficient Oxygen Evolution Reaction. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 2252-2258.	2.1	4
16	Progress on X-ray Absorption Spectroscopy for the Characterization of Perovskite-Type Oxide Electrocatalysts. <i>Energy & Fuels</i> , 2021, 35, 5716-5737.	2.5	24
17	Deep Eutectic Solvents for Boosting Electrochemical Energy Storage and Conversion: A Review and Perspective. <i>Advanced Functional Materials</i> , 2021, 31, 2011102.	7.8	172
18	Two-dimensional bimetallic coordination polymers as bifunctional evolved electrocatalysts for enhanced oxygen evolution reaction and urea oxidation reaction. <i>Journal of Energy Chemistry</i> , 2021, 63, 230-238.	7.1	29

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20	Simple Construction of Amorphous Monometallic Cobalt-Based Selenite Nanoparticles using Ball Milling for Highly Efficient Oxygen Evolution Reaction. <i>ChemCatChem</i> , 2021, 13, 2719-2725.	1.8	5
21	Rational Construction of a N, F Co-doped Mesoporous Cobalt Phosphate with Rich Oxygen Vacancies for Oxygen Evolution Reaction and Supercapacitors. <i>Chemistry - A European Journal</i> , 2021, 27, 7731-7737.	1.7	7
22	Syntheses, characterizations and water-electrolysis properties of 2D PdSeO_3 bulk and nanosheet semiconductors. <i>Journal of Solid State Chemistry</i> , 2021, 297, 122018.	1.4	1
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25	Computational screening of bifunctional single atom electrocatalyst based on boron nitride nanoribbon for water splitting. <i>Applied Catalysis A: General</i> , 2021, 622, 118235.	2.2	18
26	Engineering Self-Reconstruction via Flexible Components in Layered Double Hydroxides for Superior Evolving Performance. <i>Small</i> , 2021, 17, e2101671.	5.2	30
27	Superfast Synthesis of Densely Packed and Ultrafine Pt@Lanthanide@KB via Solvent-Free Microwave as Efficient Hydrogen Evolution Electrocatalysts. <i>Small</i> , 2021, 17, e2102879.	5.2	27
28	Design of Aligned Porous Carbon Films with Single-Atom Co-N-C Sites for High-Current-Density Hydrogen Generation. <i>Advanced Materials</i> , 2021, 33, e2103533.	11.1	76
29	Recent Progress on Structurally Ordered Materials for Electrocatalysis. <i>Advanced Energy Materials</i> , 2021, 11, 2101937.	10.2	65
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35	Bimetallic Mixed Clusters Highly Loaded on Porous 2D Graphdiyne for Hydrogen Energy Conversion. <i>Advanced Science</i> , 2021, 8, e2102777.	5.6	27
36	Utilizing tannic acid and polypyrrole to induce reconstruction to optimize the activity of MOF-derived electrocatalyst for water oxidation in seawater. <i>Chemical Engineering Journal</i> , 2022, 430, 132632.	6.6	15

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38	Structural Transformation of Heterogeneous Materials for Electrocatalytic Oxygen Evolution Reaction. <i>Chemical Reviews</i> , 2021, 121, 13174-13212.	23.0	262
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45	Efficient electrocatalytic water splitting by bimetallic cobalt iron boride nanoparticles with controlled electronic structure. <i>Journal of Colloid and Interface Science</i> , 2021, 604, 650-659.	5.0	32
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54	Structural investigation of metallic Ni nanoparticles with N-doped carbon for efficient oxygen evolution reaction. <i>Chemical Engineering Journal</i> , 2022, 429, 132122.	6.6	35

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128	Copper foam-derived electrodes as efficient electrocatalysts for conventional and hybrid water electrolysis. <i>Materials Reports Energy</i> , 2022, 2, 100092.	1.7	9

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