

Multicomponent electrocatalyst with ultralow Pt loading and high activity

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Citation Report

#	ARTICLE	IF	CITATIONS
3	Energy-efficient 1.67 V single- and 0.90 V dual-electrolyte based overall water-electrolysis devices enabled by a ZIF-L derived acid-base bifunctional cobalt phosphide nanoarray. <i>Journal of Materials Chemistry A</i> , 2018, 6, 24277-24284.	5.2	51
4	Covalently Modified Electrode with Pt Nanoparticles Encapsulated in Porous Organic Polymer for Efficient Electrocatalysis. <i>ACS Applied Nano Materials</i> , 2018, 1, 6477-6482.	2.4	13
5	Palladium Phosphide as a Stable and Efficient Electrocatalyst for Overall Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14862-14867.	7.2	233
6	Palladium Phosphide as a Stable and Efficient Electrocatalyst for Overall Water Splitting. <i>Angewandte Chemie</i> , 2018, 130, 15078-15083.	1.6	20
7	NiMo Solid Solution Nanowire Array Electrodes for Highly Efficient Hydrogen Evolution Reaction. <i>Advanced Functional Materials</i> , 2019, 29, 1903747.	7.8	108
8	Polypyrrole encapsulating TiB ₂ as newly-emerged electrocatalyst for highly boosted hydrogen evolution reaction. <i>Ceramics International</i> , 2019, 45, 23298-23303.	2.3	13
9	Quantum Monte Carlo Study of the Water Dimer Binding Energy and Halogen-H Interactions. <i>Journal of Physical Chemistry A</i> , 2019, 123, 7785-7791.	1.1	5
10	Hydrogen evolution activity tuning via two-dimensional electron accumulation at buried interfaces. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20696-20705.	5.2	11
11	Metal boride better than Pt: HCP Pd ₂ B as a superactive hydrogen evolution reaction catalyst. <i>Energy and Environmental Science</i> , 2019, 12, 3099-3105.	15.6	93
12	High temperature shockwave stabilized single atoms. <i>Nature Nanotechnology</i> , 2019, 14, 851-857.	15.6	278
13	Anchoring ultrafine PtNi nanoparticles on N-doped graphene for highly efficient hydrogen evolution reaction. <i>Catalysis Science and Technology</i> , 2019, 9, 4961-4969.	2.1	23
14	Tunable doping of N and S in carbon nanotubes by retarding pyrolysis-gas diffusion to promote electrocatalytic hydrogen evolution. <i>Chemical Communications</i> , 2019, 55, 10011-10014.	2.2	9
15	Biomimetic Nanocones that Enable High Ion Permselectivity. <i>Angewandte Chemie</i> , 2019, 131, 12776-12784.	1.6	20
16	3D porous graphitic nanocarbon for enhancing the performance and durability of Pt catalysts: a balance between graphitization and hierarchical porosity. <i>Energy and Environmental Science</i> , 2019, 12, 2830-2841.	15.6	219
17	Single-Atom Cr ^{IV} Sites Designed for Durable Oxygen Reduction Catalysis in Acid Media. <i>Angewandte Chemie</i> , 2019, 131, 12599-12605.	1.6	29
18	Biomimetic Nanocones that Enable High Ion Permselectivity. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12646-12654.	7.2	47
19	Single-Atom Cr ^{IV} Sites Designed for Durable Oxygen Reduction Catalysis in Acid Media. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12469-12475.	7.2	307
20	Synthesis of Pt Nanocatalyst Supported on Halloysite Nanotubes via Strong Electronic Adsorption for Hydrolytic Dehydrogenation of Ammonia Borane. <i>Chemistry Letters</i> , 2019, 48, 1084-1087.	0.7	16

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22	Pt (1â€¹1) quantum dot engineered Fe-MOF nanosheet arrays with porous core-shell as an electrocatalyst for efficient overall water splitting. <i>Journal of Catalysis</i> , 2019, 380, 307-317.	3.1	51
23	Quaternary Activity of the Beihewan Fault in the Southeastern Beishan Wrench Belt, Western China: Implications for Crustal Stability and Intraplate Earthquake Hazards North of Tibet. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 13286-13309.	1.4	16
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29	Interstitial Hydrogen Atom Modulation to Boost Hydrogen Evolution in Pd-Based Alloy Nanoparticles. <i>ACS Nano</i> , 2019, 13, 12987-12995.	7.3	67
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33	The effect of carbon quantum dots on the electrocatalytic hydrogen evolution reaction of manganese-nickel phosphide nanosheets. <i>Journal of Materials Chemistry A</i> , 2019, 7, 21488-21495.	5.2	46
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35	In Situ Decoration of Ultrafine Ru Nanocrystals on N-Doped Graphene Tube and Their Applications as Oxygen Reduction and Hydrogen Evolution Catalyst. <i>ACS Applied Energy Materials</i> , 2019, 2, 7330-7339.	2.5	32
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37	Platinum single-atom and cluster anchored on functionalized MWCNTs with ultrahigh mass efficiency for electrocatalytic hydrogen evolution. <i>Nano Energy</i> , 2019, 63, 103849.	8.2	106
38	High-Yield Electrochemical Production of Large-Sized and Thinly Layered NiPS ₃ Flakes for Overall Water Splitting. <i>Small</i> , 2019, 15, e1902427.	5.2	62

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436	Research progress on single atom and particle synergistic catalysts for electrocatalytic reactions. <i>Materials Chemistry Frontiers</i> , 2023, 7, 1992-2013.	3.2	7

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437	High-throughput Screening of Electrocatalysts for Nitrogen Reduction Reactions Accelerated by Interpretable Intrinsic Descriptor. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	16
438	High-throughput Screening of Electrocatalysts for Nitrogen Reduction Reactions Accelerated by Interpretable Intrinsic Descriptor. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	0
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440	Defect-rich PdIr Bimetallic Nanoribbons with Interatomic Charge Localization for Isopropanol-assisted Seawater Splitting. <i>Small</i> , 2023, 19, .	5.2	7
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442	A cobalt-manganese modified theophrastite phase of nickel hydroxide nanoflower arrays on nickel foam as a self-standing bifunctional electrode for overall water electrolysis. <i>Sustainable Energy and Fuels</i> , 2023, 7, 2428-2440.	2.5	5
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524	Enhancement of Acidic HER by Fe Doped CoP with Bimetallic Synergy. <i>Springer Proceedings in Physics</i> , 2024, , 465-474.	0.1	0