

Trends in activity for the water electrolyser reactions on hydr(oxy)oxide catalysts

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Citation Report

#	ARTICLE	IF	CITATIONS
3	Enhancing the Alkaline Hydrogen Evolution Reaction Activity through the Bifunctionality of Ni(OH) ₂ /Metal Catalysts. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12495-12498.	7.2	615
5	Importance of Correlation in Determining Electrocatalytic Oxygen Evolution Activity on Cobalt Oxides. <i>Journal of Physical Chemistry C</i> , 2012, 116, 21077-21082.	1.5	305
6	Ni-Doped Overlayer Hematite Nanotube: A Highly Photoactive Architecture for Utilization of Visible Light. <i>Journal of Physical Chemistry C</i> , 2012, 116, 24060-24067.	1.5	69
7	Origin of Anomalous Activities for Electrocatalysts in Alkaline Electrolytes. <i>Journal of Physical Chemistry C</i> , 2012, 116, 22231-22237.	1.5	71
8	The road from animal electricity to green energy: combining experiment and theory in electrocatalysis. <i>Energy and Environmental Science</i> , 2012, 5, 9246.	15.6	224
9	Solution-Cast Metal Oxide Thin Film Electrocatalysts for Oxygen Evolution. <i>Journal of the American Chemical Society</i> , 2012, 134, 17253-17261.	6.6	1,403
10	Electrooxidation of Methanol at SnO ₂ /Pt Interface: A Tunable Activity of Tin Oxide Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 3286-3290.	2.1	44
11	An electrochemical impedance study of the oxygen evolution reaction at hydrous iron oxide in base. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 5224.	1.3	216
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16	Theoretical Investigation of the Activity of Cobalt Oxides for the Electrochemical Oxidation of Water. <i>Journal of the American Chemical Society</i> , 2013, 135, 13521-13530.	6.6	1,093
17	Effect of Ammonia on Pt, Ru, Rh, and Ni Cathodes During the Alkaline Hydrogen Evolution Reaction. <i>Journal of Physical Chemistry C</i> , 2013, 117, 17429-17441.	1.5	28
18	Electrochemically fabricated NiCu alloy catalysts for hydrogen production in alkaline water electrolysis. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 13493-13501.	3.8	78
19	Hierarchically Porous Nitrogen-Doped Graphene/NiCo ₂ O ₄ Hybrid Paper as an Advanced Electrocatalytic Water-Splitting Material. <i>ACS Nano</i> , 2013, 7, 10190-10196.	7.3	506
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21	Manganese molybdate and its Fe-substituted products as new efficient electrocatalysts for oxygen evolution in alkaline solutions. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 13587-13595.	3.8	23

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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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1109	Strain effects on Co,N co-decorated graphyne catalysts for overall water splitting electrocatalysis. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 2457-2465.	1.3	32
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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1828	Nickel-Based Electrocatalysts for Water Electrolysis. <i>Energies</i> , 2022, 15, 1609.	1.6	21
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1979	Design principle of electrocatalysts for the electrooxidation of organics. <i>CheM</i> , 2022, 8, 2594-2629.	5.8	44
1980	In Situ Engineering of the Cu ⁺ /Cu ⁰ Interface to Boost C ₂₊ Selectivity in CO ₂ Electroreduction. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 36527-36535.	4.0	13
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1982	Rationally Designing Efficient Electrocatalysts for Direct Seawater Splitting: Challenges, Achievements, and Promises. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	4
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1996	Lewis acid Mg ²⁺ -doped cobalt phosphate nanosheets for enhanced electrocatalytic oxygen evolution reaction. <i>Chemical Communications</i> , 2022, 58, 10801-10804.	2.2	9
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2011	Gradient Heating Epitaxial Growth Gives Well Latticeâ€”Matched Mo ₂ Câ€”Mo ₂ N Heterointerfaces that Boost Both Electrocatalytic Hydrogen Evolution and Water Vapor Splitting. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	17
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2082	Hydrogen Evolution Volcano(es) From Acidic to Neutral and Alkaline Solutions. <i>Catalysts</i> , 2022, 12, 1541.	1.6	3
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2094	Fe-Alloyed MoNi Nanohybrids as Oxygen Evolution Reaction/Oxygen Reduction Reaction Bifunctional Electrocatalyst for Rechargeable Zinc-Air Batteries. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 0, , 2200581.	0.8	0
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2112	Atomic-Scale Insights into Morphological, Structural, and Compositional Evolution of CoOOH during Oxygen Evolution Reaction. <i>ACS Catalysis</i> , 2023, 13, 1400-1411.	5.5	21
2113	A review of nickel-molybdenum based hydrogen evolution electrocatalysts from theory to experiment. <i>Applied Catalysis A: General</i> , 2023, 651, 119013.	2.2	13
2114	Designing In Situ Grown Ternary Oxide/2D Ni-BDC MOF Nanocomposites on Nickel Foam as Efficient Electrocatalysts for Electrochemical Water Splitting. <i>ACS Materials Au</i> , 2023, 3, 143-163.	2.6	14
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