

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.	13.8	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.	3.1	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.	3.1	69
7	Origin of Anomalous Activities for Electrocatalysts in Alkaline Electrolytes. <i>Journal of Physical Chemistry C</i> , 2012, 116, 22231-22237.	3.1	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.	30.8	224
9	Solution-Cast Metal Oxide Thin Film Electrocatalysts for Oxygen Evolution. <i>Journal of the American Chemical Society</i> , 2012, 134, 17253-17261.	13.7	1,403
10	Electrooxidation of Methanol at SnO _x /Pt Interface: A Tunable Activity of Tin Oxide Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 3286-3290.	4.6	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.	2.8	216
12	Oxygen evolution in alkali with gas diffusion electrodes. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 11496-11506.	7.1	21
13	Covalent Immobilization of Oriented Photosystem II on a Nanostructured Electrode for Solar Water Oxidation. <i>Journal of the American Chemical Society</i> , 2013, 135, 10610-10613.	13.7	112
14	Nitrogen-doped carbon nanomaterials as non-metal electrocatalysts for water oxidation. <i>Nature Communications</i> , 2013, 4, 2390.	12.8	923
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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.	13.7	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.	3.1	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.	7.1	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.	14.6	506
20	Amorphous cobalt potassium phosphate microclusters as efficient photoelectrochemical water oxidation catalyst. <i>Journal of Power Sources</i> , 2013, 243, 908-912.	7.8	16
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.	7.1	23

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22	N-doped graphene film-confined nickel nanoparticles as a highly efficient three-dimensional oxygen evolution electrocatalyst. <i>Energy and Environmental Science</i> , 2013, 6, 3693.	30.8	309
23	Electrochemical tuning of vertically aligned MoS ₂ nanofilms and its application in improving hydrogen evolution reaction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 19701-19706.	7.1	894
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25	Effect of morphology of electrodeposited Ni catalysts on the behavior of bubbles generated during the oxygen evolution reaction in alkaline water electrolysis. <i>Chemical Communications</i> , 2013, 49, 9323.	4.1	146
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31	Highly Active, Nonprecious Metal Perovskite Electrocatalysts for Bifunctional Metal-Air Battery Electrodes. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 1254-1259.	4.6	294
32	Hierarchical wreath-like Au-Co(OH) ₂ microclusters for water oxidation at neutral pH. <i>Nanoscale</i> , 2013, 5, 6826.	5.6	60
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35	Size-Dependent Subnanometer Pd Cluster (Pd ₄ , Pd ₆ , and Pd ₁₇) Water Oxidation Electrocatalysis. <i>ACS Nano</i> , 2013, 7, 5808-5817.	14.6	137
36	Deposition of γ -Co(OH) ₂ Films by Electrochemical Reduction of Tris(ethylenediamine)cobalt(III) in Alkaline Solution. <i>Chemistry of Materials</i> , 2013, 25, 1922-1926.	6.7	168
37	Self-Organized One-Dimensional Cobalt Compound Nanostructures from CoC ₂ O ₄ for Superior Oxygen Evolution Reaction. <i>Journal of Physical Chemistry C</i> , 2013, 117, 23712-23715.	3.1	34
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40	Spin states in Co-PI catalysts. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	10

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88	Beyond the volcano limitations in electrocatalysis â€“ oxygen evolution reaction. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 13682-13688.	2.8	292
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121	High-activity electrodeposited NiW catalysts for hydrogen evolution in alkaline water electrolysis. <i>Applied Surface Science</i> , 2015, 349, 629-635.	6.1	85
122	Stable Cobalt Nanoparticles and Their Monolayer Array as an Efficient Electrocatalyst for Oxygen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2015, 137, 7071-7074.	13.7	299
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149	Towards First Principles-Based Prediction of Highly Accurate Electrochemical Pourbaix Diagrams. <i>Journal of Physical Chemistry C</i> , 2015, 119, 18177-18187.	3.1	97
150	Enhanced Interactions between Gold and MnO_{2} Nanowires for Water Oxidation: A Comparison of Different Chemical and Physical Preparation Methods. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 2049-2057.	6.7	33
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