

Yang Hu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

22
papers

1,354
citations

14
h-index

26
g-index

26
ext. papers

1,534
ext. citations

9.6
avg, IF

4.42
L-index

#	Paper	IF	Citations
22	In situ Synthesis of Pt-rare Earth Alloy Nanoparticles. <i>Microscopy and Microanalysis</i> , 2021 , 27, 97-98	0.5	
21	Mechanistic Insights into the Synthesis of Platinum-Rare Earth Metal Nanoalloys by a Solid-State Chemical Route. <i>Chemistry of Materials</i> , 2021 , 33, 535-546	9.6	9
20	Revealing the genuine stability of the reference Pt/C electrocatalyst toward the ORR. <i>Electrochimica Acta</i> , 2021 , 391, 138963	6.7	5
19	Synthesis of Pt-Rare Earth Metal Nanoalloys. <i>Journal of the American Chemical Society</i> , 2020 , 142, 953-966	16.4	28
18	Polybenzimidazole-Based High-Temperature Polymer Electrolyte Membrane Fuel Cells: New Insights and Recent Progress. <i>Electrochemical Energy Reviews</i> , 2020 , 3, 793-845	29.3	34
17	High-Temperature Polymer Electrolyte Membrane Fuel Cells. <i>Nanostructure Science and Technology</i> , 2019 , 45-79	0.9	2
16	Immunity of the Fe-N-C catalysts to electrolyte adsorption: Phosphate but not perchloric anions. <i>Applied Catalysis B: Environmental</i> , 2018 , 234, 357-364	21.8	31
15	⁵⁷ Fe-Mössbauer spectroscopy and electrochemical activities of graphitic layer encapsulated iron electrocatalysts for the oxygen reduction reaction. <i>Applied Catalysis B: Environmental</i> , 2018 , 221, 406-412	21.8	46
14	Catalyst evaluation for oxygen reduction reaction in concentrated phosphoric acid at elevated temperatures. <i>Journal of Power Sources</i> , 2018 , 375, 77-81	8.9	17
13	Encapsulated iron-based oxygen reduction electrocatalysts by high pressure pyrolysis. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 22887-22896	6.7	8
12	Graphene layer encapsulated metal nanoparticles as a new type of non-precious metal catalysts for oxygen reduction. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2016 , 11, 382-385	1.3	10
11	Platinum Iron Intermetallic Nanoparticles Supported on Carbon Formed In Situ by High-Pressure Pyrolysis for Efficient Oxygen Reduction. <i>ChemCatChem</i> , 2016 , 8, 3131-3136	5.2	3
10	Fe ₃ C-based oxygen reduction catalysts: synthesis, hollow spherical structures and applications in fuel cells. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 1752-1760	13	103
9	Promotional effect of phosphorus doping on the activity of the Fe-N/C catalyst for the oxygen reduction reaction. <i>Electrochimica Acta</i> , 2015 , 155, 335-340	6.7	38
8	Direct synthesis of Fe ₃ C-functionalized graphene by high temperature autoclave pyrolysis for oxygen reduction. <i>ChemSusChem</i> , 2014 , 7, 2099-103	8.3	39
7	Hollow spheres of iron carbide nanoparticles encased in graphitic layers as oxygen reduction catalysts. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 3675-9	16.4	719
6	Hollow Spheres of Iron Carbide Nanoparticles Encased in Graphitic Layers as Oxygen Reduction Catalysts. <i>Angewandte Chemie</i> , 2014 , 126, 3749-3753	3.6	106

5	Innenstruktur: Hollow Spheres of Iron Carbide Nanoparticles Encased in Graphitic Layers as Oxygen Reduction Catalysts (Angew. Chem. 14/2014). <i>Angewandte Chemie</i> , 2014 , 126, 3823-3823	3.6	2
4	Oxygen Solubility, Diffusion Coefficient, and Solution Viscosity 2014 , 1-31		45
3	Synthesis of self-supported non-precious metal catalysts for oxygen reduction reaction with preserved nanostructures from the polyaniline nanofiber precursor. <i>Journal of Power Sources</i> , 2013 , 24, 225, 129-136	8.9	43
2	Ionic liquid-mediated synthesis of clean palladium nanoparticles for formic acid electrooxidation. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 51-58	6.7	19
1	Electrocatalytic properties of PdCeO _x /C anodic catalyst for formic acid electrooxidation. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 4812-4818	6.7	44