

Yao Nie

List of Publications by Year in descending order

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3,562
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citing authors

#	ARTICLE	IF	CITATIONS
1	Interfacial Water Enrichment and Reorientation on Pt/C Catalysts Induced by Metal Oxides Participation for Boosting the Hydrogen Evolution Reaction. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 1069-1076.	4.6	15
2	Bimetallic Fe and Co supported on the N-doped mesoporous carbon frameworks with enhanced oxygen reduction reaction performance via high-gravity technology. <i>Journal of the Chinese Chemical Society</i> , 2021, 68, 1047-1054.	1.4	4
3	Structurally ordered PtFe intermetallic nanocatalysts toward efficient electrocatalysis of methanol oxidation. <i>Applied Surface Science</i> , 2021, 569, 151004.	6.1	27
4	Engineering multi-hollow PtCo nanoparticles for oxygen reduction reaction via a NaCl-sealed annealing strategy. <i>Journal of Alloys and Compounds</i> , 2021, 884, 161063.	5.5	13
5	Ultrafine platinum nanoparticles confined in a covalent organic framework for enhanced enzyme-mimetic and electrocatalytic performances. <i>Nanoscale</i> , 2021, 13, 18665-18676.	5.6	13
6	Achievements in Pt nanoalloy oxygen reduction reaction catalysts: strain engineering, stability and atom utilization efficiency. <i>Chemical Communications</i> , 2021, 57, 12898-12913.	4.1	21
7	Densely vertical-grown NiFe hydroxide nanosheets on a 3D nickel skeleton as a dendrite-free lithium anode. <i>Chemical Communications</i> , 2021, 57, 12988-12991.	4.1	0
8	Insights into the multiple effects of oxygen vacancies on CuWO ₄ for photoelectrochemical water oxidation. <i>Catalysis Science and Technology</i> , 2020, 10, 7344-7351.	4.1	10
9	Surface-confined Pt-based catalysts for strengthening oxygen reduction performance. <i>Progress in Natural Science: Materials International</i> , 2020, 30, 796-806.	4.4	19
10	Understanding the effect of interfacial interaction on metal/metal oxide electrocatalysts for hydrogen evolution and hydrogen oxidation reactions on the basis of first-principles calculations. <i>Catalysis Science and Technology</i> , 2020, 10, 4743-4751.	4.1	29
11	The MOF/GO-based derivatives with Co@CoO core-shell structure supported on the N-doped graphene as electrocatalyst for oxygen reduction reaction. <i>Journal of the Chinese Chemical Society</i> , 2020, 67, 1189-1194.	1.4	11
12	Accelerated alkaline hydrogen evolution on M(OH) _x /M-MoPO _x (M = Ni, Co, Fe). <i>Trends in Electrochemistry</i> , 2020, 11, 2487-2493.	7.4	54
13	Electronic and Physical Property Manipulations: Recent Achievements towards Heterogeneous Carbon-based Catalysts for Oxygen Reduction Reaction. <i>ChemCatChem</i> , 2019, 11, 5885-5897.	3.7	26
14	Transformation of Metal-Organic Frameworks into Huge-Diameter Carbon Nanotubes with High Performance in Proton Exchange Membrane Fuel Cells. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 22290-22296.	8.0	45
15	A metal-organic framework derived 3D hierarchical Co/N-doped carbon nanotube/nanoparticle composite as an active electrocatalyst for oxygen reduction in alkaline electrolyte. <i>Journal of Materials Chemistry A</i> , 2018, 6, 3386-3390.	10.3	92
16	Preparation of highly dispersed carbon supported AuPt nanoparticles via a capping agent-free route for efficient methanol oxidation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 104-109.	10.3	30
17	Self-assembly and Preshaping-assisted Synthesis of Molybdenum Carbide Supported on Ultrathin Nitrogen-doped Graphitic Carbon Lamellas for the Hydrogen Evolution Reaction. <i>ChemCatChem</i> , 2017, 9, 1588-1593.	3.7	34
18	Generation of three dimensional pore-controlled nitrogen-doped graphene hydrogels for high-performance supercapacitors by employing formamide as the modulator. <i>Journal of Materials Chemistry A</i> , 2017, 5, 1442-1445.	10.3	29

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19	Dual-Ligand Synergistic Modulation: A Satisfactory Strategy for Simultaneously Improving the Activity and Stability of Oxygen Evolution Electrocatalysts. <i>ACS Catalysis</i> , 2017, 7, 8184-8191.	11.2	109
20	Enhancement in kinetics of the oxygen reduction on a silver catalyst by introduction of interlaces and defect-rich facets. <i>Journal of Materials Chemistry A</i> , 2017, 5, 15390-15394.	10.3	21
21	A Strategy to Promote the Electrocatalytic Activity of Spinel for Oxygen Reduction by Structure Reversal. <i>Angewandte Chemie</i> , 2016, 128, 1362-1366.	2.0	17
22	A Strategy to Promote the Electrocatalytic Activity of Spinel for Oxygen Reduction by Structure Reversal. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1340-1344.	13.8	153
23	Structural Evolution of Solid Pt Nanoparticles to a Hollow PtFe Alloy with a Pt-Skin Surface via Space-Confining Pyrolysis and the Nanoscale Kirkendall Effect. <i>Advanced Materials</i> , 2016, 28, 10673-10678.	21.0	150
24	Controlled synthesis of hollow micro/meso-pore nitrogen-doped carbon with tunable wall thickness and specific surface area as efficient electrocatalysts for oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2016, 4, 2433-2437.	10.3	61
25	Recent advancements in Pt and Pt-free catalysts for oxygen reduction reaction. <i>Chemical Society Reviews</i> , 2015, 44, 2168-2201.	38.1	1,858
26	Insight into the Effect of Oxygen Vacancy Concentration on the Catalytic Performance of MnO_2 . <i>ACS Catalysis</i> , 2015, 5, 4825-4832.	11.2	244
27	A catalyst superior to carbon-supported-platinum for promotion of the oxygen reduction reaction: reduced-polyoxometalate supported palladium. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13962-13969.	10.3	49
28	Shape Fixing via Salt Recrystallization: A Morphology-Controlled Approach To Convert Nanostructured Polymer to Carbon Nanomaterial as a Highly Active Catalyst for Oxygen Reduction Reaction. <i>Journal of the American Chemical Society</i> , 2015, 137, 5414-5420.	13.7	364
29	Pt/C trapped in activated graphitic carbon layers as a highly durable electrocatalyst for the oxygen reduction reaction. <i>Chemical Communications</i> , 2014, 50, 15431-15434.	4.1	64