

Wenxiu Yang

List of Publications by Citations

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41
papers

2,803
citations

27
h-index

44
g-index

44
ext. papers

3,538
ext. citations

11.4
avg, IF

5.56
L-index

#	Paper	IF	Citations
41	Bamboo-like carbon nanotube/Fe ₃ C nanoparticle hybrids and their highly efficient catalysis for oxygen reduction. <i>Journal of the American Chemical Society</i> , 2015 , 137, 1436-9	16.4	683
40	Freestanding film made by necklace-like N-doped hollow carbon with hierarchical pores for high-performance potassium-ion storage. <i>Energy and Environmental Science</i> , 2019 , 12, 1605-1612	35.4	253
39	Rational Design of MXene/1T-2H MoS ₂ -C Nanohybrids for High-Performance Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , 2018 , 28, 1707578	15.6	220
38	Ultrathin PtNiM (M = Rh, Os, and Ir) Nanowires as Efficient Fuel Oxidation Electrocatalytic Materials. <i>Advanced Materials</i> , 2019 , 31, e1805833	24	132
37	MXene/Si@SiO ₂ @C Layer-by-Layer Superstructure with Autoadjustable Function for Superior Stable Lithium Storage. <i>ACS Nano</i> , 2019 , 13, 2167-2175	16.7	127
36	Ultrathin Visible-Light-Driven Mo Incorporating In ₂ O ₃ -ZnIn ₂ Se ₃ Z-Scheme Nanosheet Photocatalysts. <i>Advanced Materials</i> , 2019 , 31, e1807226	24	115
35	A Three-Dimensional Carbon Framework Constructed by N/S Co-doped Graphene Nanosheets with Expanded Interlayer Spacing Facilitates Potassium Ion Storage. <i>ACS Energy Letters</i> , 2020 , 5, 1653-1661	20.1	99
34	Synergetic interaction between neighboring platinum and ruthenium monomers boosts CO oxidation. <i>Chemical Science</i> , 2019 , 10, 5898-5905	9.4	71
33	IL-derived N, S co-doped ordered mesoporous carbon for high-performance oxygen reduction. <i>Nanoscale</i> , 2015 , 7, 11956-61	7.7	70
32	Thermolysis of Noble Metal Nanoparticles into Electron-Rich Phosphorus-Coordinated Noble Metal Single Atoms at Low Temperature. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 14184-14188	16.4	70
31	In situ formed Fe-N doped metal organic framework@carbon nanotubes/graphene hybrids for a rechargeable Zn-air battery. <i>Chemical Communications</i> , 2017 , 53, 12934-12937	5.8	64
30	Recent advances in carbon-based electrocatalysts for oxygen reduction reaction. <i>Chinese Chemical Letters</i> , 2020 , 31, 626-634	8.1	60
29	Synergistic effect between atomically dispersed Fe and Co metal sites for enhanced oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 4369-4375	13	57
28	A metal-organic framework derived Co-N doped carbon microsphere/nanofiber hybrid as a free-standing 3D oxygen catalyst. <i>Chemical Communications</i> , 2017 , 53, 4034-4037	5.8	55
27	Graphitic Carbon Nitride (g-CN)-Derived Bamboo-Like Carbon Nanotubes/Co Nanoparticles Hybrids for Highly Efficient Electrocatalytic Oxygen Reduction. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 4463-4472	9.5	53
26	A new method for developing defect-rich graphene nanoribbons/onion-like carbon@Co nanoparticles hybrid materials as an excellent catalyst for oxygen reactions. <i>Nanoscale</i> , 2017 , 9, 1738-1744	7.7	51
25	Ir-Based Alloy Nanoflowers with Optimized Hydrogen Binding Energy as Bifunctional Electrocatalysts for Overall Water Splitting. <i>Small Methods</i> , 2020 , 4, 1900129	12.8	50

24	N,S-Codoped microporous carbon nanobelts with blooming nanoflowers for oxygen reduction. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 5834-5838	13	46
23	Lavender-Like Ga-Doped Pt ₃ Co Nanowires for Highly Stable and Active Electrocatalysis. <i>ACS Catalysis</i> , 2020 , 10, 3018-3026	13.1	42
22	Superior oxygen reduction electrocatalysis enabled by integrating hierarchical pores, Fe ₃ C nanoparticles and bamboo-like carbon nanotubes. <i>Nanoscale</i> , 2016 , 8, 959-64	7.7	41
21	Synthesis of copper nanorods for non-enzymatic amperometric sensing of glucose. <i>Mikrochimica Acta</i> , 2016 , 183, 2369-2375	5.8	40
20	Bifunctional oxygen electrodes of homogeneous Co ₄ N nanocrystals@N-doped carbon hybrids for rechargeable Zn-air batteries. <i>Carbon</i> , 2019 , 151, 10-17	10.4	39
19	From filter paper to porous carbon composite membrane oxygen reduction catalyst. <i>Chemical Communications</i> , 2014 , 50, 11151-3	5.8	36
18	Au Clusters on Pd Nanosheets Selectively Switch the Pathway of Ethanol Electrooxidation: Amorphous/Crystalline Interface Matters. <i>Advanced Energy Materials</i> , 2021 , 11, 2100187	21.8	34
17	High performance of electrocatalytic oxidation and determination of hydrazine based on Pt nanoparticles/TiO ₂ nanosheets. <i>Talanta</i> , 2015 , 144, 1296-300	6.2	31
16	Modulating the surface segregation of PdCuRu nanocrystals for enhanced all-pH hydrogen evolution electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 20151-20157	13	27
15	WO _x -Surface Decorated PtNi@Pt Dendritic Nanowires as Efficient pH-Universal Hydrogen Evolution Electrocatalysts. <i>Advanced Energy Materials</i> , 2021 , 11, 2003192	21.8	27
14	A highly efficient atomically thin curved PdIr bimetallic electrocatalyst. <i>National Science Review</i> , 2021 , 8, nwab019	10.8	27
13	Synthesis and ORR electrocatalytic activity of mixed Mn-Co oxides derived from divalent metal-based MIL-53 analogues. <i>Dalton Transactions</i> , 2017 , 46, 15512-15519	4.3	25
12	Strongly coupled ultrasmall-FeC/N-doped porous carbon hybrids for highly efficient Zn-air batteries. <i>Chemical Communications</i> , 2019 , 55, 5651-5654	5.8	25
11	Multiscale porous Fe-N-C networks as highly efficient catalysts for the oxygen reduction reaction. <i>Nanoscale</i> , 2019 , 11, 19506-19511	7.7	22
10	Thermolysis of Noble Metal Nanoparticles into Electron-Rich Phosphorus-Coordinated Noble Metal Single Atoms at Low Temperature. <i>Angewandte Chemie</i> , 2019 , 131, 14322-14326	3.6	20
9	Controllable formation of meso- and macropores within metal-organic framework crystals via a citric acid modulator. <i>Nanoscale</i> , 2018 , 10, 13194-13201	7.7	19
8	Decarboxylation-Induced Defects in MOF-Derived Single Cobalt Atom@Carbon Electrocatalysts for Efficient Oxygen Reduction. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 21685-21690	16.4	14
7	Nonenzymatic hydrogen peroxide sensor based on a glassy carbon electrode modified with electrospun PdO-NiO composite nanofibers. <i>Mikrochimica Acta</i> , 2013 , 180, 1085-1091	5.8	12

6	Ultrathin RuRh@(RuRh)O ₂ core@shell nanosheets as stable oxygen evolution electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 15746-15751	13	10
5	Cobalt sulfide/N,S-codoped defect-rich carbon nanotubes hybrid as an excellent bi-functional oxygen electrocatalyst. <i>Nanotechnology</i> , 2019 , 30, 075402	3.4	10
4	Calixarene-Based {Co ₂₆ } Burr Puzzle: An Efficient Oxygen Reduction Catalyst. <i>ACS Applied Nano Materials</i> , 2019 , 2, 4232-4237	5.6	8
3	One-Pot Seedless Aqueous Design of Metal Nanostructures for Energy Electrocatalytic Applications. <i>Electrochemical Energy Reviews</i> , 2018 , 1, 531-547	29.3	7
2	Decarboxylation-Induced Defects in MOF-Derived Single Cobalt Atom@Carbon Electrocatalysts for Efficient Oxygen Reduction. <i>Angewandte Chemie</i> , 2021 , 133, 21853-21858	3.6	4
1	Comparison of the effects of cation and phosphorus doping in cobalt-based spinel oxides towards the oxygen evolution reaction. <i>CrystEngComm</i> , 2021 , 23, 1849-1858	3.3	3