

Shichang Cai

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.

11
papers

1,101
citations

7
h-index

11
g-index

11
ext. papers

1,331
ext. citations

12.5
avg, IF

4.41
L-index

#	Paper	IF	Citations
11	The design of single iron atoms dispersed with nitrogen coordination environment electrocatalyst for zinc -air battery. <i>Journal of Power Sources</i> , 2022 , 529, 231174	8.9	2
10	Rational design of hierarchically porous Fe-N-doped carbon as efficient electrocatalyst for oxygen reduction reaction and Zn-air batteries. <i>Nano Research</i> , 2021 , 14, 4768	10	5
9	Recent advances of hierarchically porous bifunctional oxygen electrocatalysts derived from metal-organic frameworks for Zn-air batteries. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 2649-2667	7.8	7
8	Hierarchical Nanostructured Electrocatalysts for Oxygen Reduction Reaction. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 1085-1097	1.3	5
7	An efficient bifunctional electrocatalyst derived from layer-by-layer self-assembly of a three-dimensional porous Co-N-C@graphene. <i>Science Bulletin</i> , 2019 , 64, 968-975	10.6	20
6	Bimetallic-organic framework-derived hierarchically porous Co-Zn-N-C as efficient catalyst for acidic oxygen reduction reaction. <i>Applied Catalysis B: Environmental</i> , 2019 , 244, 120-127	21.8	108
5	Three-Dimensional Macroporous Co-Embedded N-Doped Carbon Interweaving with Carbon Nanotubes as Excellent Bifunctional Catalysts for Zn-Air Batteries. <i>Langmuir</i> , 2018 , 34, 1992-1998	4	14
4	Enhanced oxygen reduction with single-atomic-site iron catalysts for a zinc-air battery and hydrogen-air fuel cell. <i>Nature Communications</i> , 2018 , 9, 5422	17.4	431
3	Iron-embedded nitrogen doped carbon frameworks as robust catalyst for oxygen reduction reaction in microbial fuel cells. <i>Applied Catalysis B: Environmental</i> , 2017 , 202, 550-556	21.8	123
2	3D Co-N-doped hollow carbon spheres as excellent bifunctional electrocatalysts for oxygen reduction reaction and oxygen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2017 , 217, 477-484	21.8	177
1	Metal-Organic-Framework-Derived Dual Metal- and Nitrogen-Doped Carbon as Efficient and Robust Oxygen Reduction Reaction Catalysts for Microbial Fuel Cells. <i>Advanced Science</i> , 2016 , 3, 1500265	13.6	209