

# Shichang Cai

## List of Publications by Citations

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