Jia-Ning Liu

List of Publications by Year
in descending order

26	3,197	279487 23	525886 27
papers	citations	h-index	g-index

27	27	27	2559
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Intrinsic Electrocatalytic Activity Regulation of Mâ€“Nâ€“C Singleâ€Atom Catalysts for the Oxygen Reduction Reaction. Angewandte Chemie - International Edition, 2021, 60, 4448-4463.	7.2	433
2	Recent advances of noble-metal-free bifunctional oxygen reduction and evolution electrocatalysts. Chemical Society Reviews, 2021, 50, 7745-7778.	18.7	385
3	Coordination Tunes Selectivity: Twoâ€Electron Oxygen Reduction on Highâ€Loading Molybdenum Singleâ€Atom Catalysts. Angewandte Chemie - International Edition, 2020, 59, 9171-9176.	7.2	379
4	Frameworkâ€Porphyrinâ€Derived Singleâ€Atom Bifunctional Oxygen Electrocatalysts and their Applications in Znâ€“Air Batteries. Advanced Materials, 2019, 31, e1900592.	11.1	256
5	Electrosynthesis of Hydrogen Peroxide Synergistically Catalyzed by Atomic Coâ€“N_xâ€“C Sites and Oxygen Functional Groups in Nobleâ€Metalâ€Free Electrocatalysts. Advanced Materials, 2019, 31, e1808173.	11.1	252
6	Semi-Immobilized Molecular Electrocatalysts for High-Performance Lithiumâ€“Sulfur Batteries. Journal of the American Chemical Society, 2021, 143, 19865-19872.	6.6	173
7	A Î”EÂ= 0.63 V Bifunctional Oxygen Electrocatalyst Enables Highâ€Rate and Longâ€Cycling Zincâ€“Air Batteries. Advanced Materials, 2021, 33, e2008606.	11.1	154
8	A clicking confinement strategy to fabricate transition metal single-atom sites for bifunctional oxygen electrocatalysis. Science Advances, 2022, 8, eabn5091.	4.7	123
9	Asymmetric Air Cathode Design for Enhanced Interfacial Electrocatalytic Reactions in Highâ€Performance Zincâ€“Air Batteries. Advanced Materials, 2020, 32, e1908488.	11.1	107
10	Precise anionic regulation of NiFe hydroxysulfide assisted by electrochemical reactions for efficient electrocatalysis. Energy and Environmental Science, 2020, 13, 1711-1716.	15.6	103
11	Coordination Tunes Selectivity: Twoâ€Electron Oxygen Reduction on Highâ€Loading Molybdenum Singleâ€Atom Catalysts. Angewandte Chemie, 2020, 132, 9256-9261.	1.6	98
12	Can Aqueous Zincâ€“Air Batteries Work at Subâ€Zero Temperatures?. Angewandte Chemie - International Edition, 2021, 60, 15281-15285.	7.2	76
13	An anionic regulation mechanism for the structural reconstruction of sulfide electrocatalysts under oxygen evolution conditions. Energy and Environmental Science, 2022, 15, 3257-3264.	15.6	74
14	Multiscale Construction of Bifunctional Electrocatalysts for Longâ€Lifespan Rechargeable Zincâ€“Air Batteries. Advanced Functional Materials, 2020, 30, 2003619.	7.8	70
15	Redox mediator assists electron transfer in lithiumâ€“sulfur batteries with sulfurized polyacrylonitrile cathodes. EcoMat, 2021, 3, e12066.	6.8	69
16	Quantitative kinetic analysis on oxygen reduction reaction: A perspective. Nano Materials Science, 2021, 3, 313-318.	3.9	64
17	Transition metal coordinated framework porphyrin for electrocatalytic oxygen reduction. Chinese Chemical Letters, 2019, 30, 911-914.	4.8	54
18	Understanding the Impedance Response of Lithium Polysulfide Symmetric Cells. Small Science, 2021, 1, 2100042.	5.8	54

#	Article	IF	Citations
19	Preconstructing Asymmetric Interface in Air Cathodes for Highâ€Performance Rechargeable Znâ€“Air Batteries. Advanced Materials, 2022, 34, e2109407.	11.1	54
20	Can Aqueous Zincâ€“Air Batteries Work at Subâ€Zero Temperatures?. Angewandte Chemie, 2021, 133, 15409-15413.	1.6	53
21	Intrinsische elektrokatalytische AktivitÃtssteuerung von Mâ€Nâ€Câ€Einzelatomâ€Katalysatoren fÃ¼r die Sauerstoffreduktionsreaktion. Angewandte Chemie, 2021, 133, 4496-4512.	1.6	40
22	Regeneration of single-atom catalysts deactivated under acid oxygen reduction reaction conditions. Journal of Energy Chemistry, 2022, 73, 478-484.	7.1	32
23	A Composite Bifunctional Oxygen Electrocatalyst for Highâ€Performance Rechargeable Zincâ€“Air Batteries. ChemSusChem, 2020, 13, 1529-1536.	3.6	28
24	Seawater-based electrolyte for zincâ€“air batteries. Green Chemical Engineering, 2020, 1, 117-123.	3.3	24
25	Working Zincâ€“Air Batteries at 80â€‰Â°C. Angewandte Chemie, 2022, 134, .	1.6	15
26	Zincâ€Air Batteries: A Î”EÂ= 0.63 V Bifunctional Oxygen Electrocatalyst Enables Highâ€Rate and Longâ€Cycling Zincâ€“Air Batteries (Adv. Mater. 15/2021). Advanced Materials, 2021, 33, 2170117.	11.1	5