Chang-Xin Zhao

List of Publications by Year
in descending order

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38 papers	3,699 citations	172207 29 h-index	344852 36 g-index
38 all docs	38 docs citations	38 times ranked	3126 citing authors

#	Article	IF	Citations
1	The formation of crystalline lithium sulfide on electrocatalytic surfaces in lithiumâ€“sulfur batteries. Journal of Energy Chemistry, 2022, 64, 568-573.	7.1	56
2	Lignin-derived materials and their applications in rechargeable batteries. Green Chemistry, 2022, 24, 565-584.	4.6	37
3	Preconstructing Asymmetric Interface in Air Cathodes for Highâ€Performance Rechargeable Znâ€“Air Batteries. Advanced Materials, 2022, 34, e2109407.	11.1	54
4	Frontispiece: Surface Gelation on Disulfide Electrocatalysts in Lithiumâ€“Sulfur Batteries. Angewandte Chemie - International Edition, 2022, 61, .	7.2	2
5	Frontispiz: Surface Gelation on Disulfide Electrocatalysts in Lithiumâ€“Sulfur Batteries. Angewandte Chemie, 2022, 134, .	1.6	0
6	A clicking confinement strategy to fabricate transition metal single-atom sites for bifunctional oxygen electrocatalysis. Science Advances, 2022, 8, eabn5091.	4.7	123
7	Fullâ€Range Redox Mediation on Sulfur Redox Kinetics for Highâ€Performance Lithiumâ€Sulfur Batteries. Batteries and Supercaps, 2022, 5, .	2.4	41
8	Surface Gelation on Disulfide Electrocatalysts in Lithiumâ€“Sulfur Batteries. Angewandte Chemie, 2022, 134, .	1.6	9
9	Surface Gelation on Disulfide Electrocatalysts in Lithiumâ€“Sulfur Batteries. Angewandte Chemie - International Edition, 2022, 61, .	7.2	67
10	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
11	Working Zincâ€“Air Batteries at 80â€‰Â°C. Angewandte Chemie, 2022, 134, .	1.6	15
12	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
13	Intrinsische elektrokatalytische AktivitÃtssteuerung von Mâ€Nâ€Câ€Einzelatomâ€Katalysatoren fÃ¼r die Sauerstoffreduktionsreaktion. Angewandte Chemie, 2021, 133, 4496-4512.	1.6	40
14	Redox mediator assists electron transfer in lithiumâ€“sulfur batteries with sulfurized polyacrylonitrile cathodes. EcoMat, 2021, 3, e12066.	6.8	69
15	Recent advances of noble-metal-free bifunctional oxygen reduction and evolution electrocatalysts. Chemical Society Reviews, 2021, 50, 7745-7778.	18.7	385
16	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
17	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
18	Can Aqueous Zincâ€“Air Batteries Work at Subâ€Zero Temperatures?. Angewandte Chemie, 2021, 133, 15409-15413.	1.6	53

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19	Can Aqueous Zincâ€“Air Batteries Work at Subâ€Zero Temperatures?. Angewandte Chemie - International Edition, 2021, 60, 15281-15285.	7.2	76
20	Quantitative kinetic analysis on oxygen reduction reaction: A perspective. Nano Materials Science, 2021, 3, 313-318.	3.9	64
21	Multianion Transition Metal Compounds: Synthesis, Regulation, and Electrocatalytic Applications. Accounts of Materials Research, 2021, 2, 1082-1092.	5.9	13
22	Semi-Immobilized Molecular Electrocatalysts for High-Performance Lithiumâ€“Sulfur Batteries. Journal of the American Chemical Society, 2021, 143, 19865-19872.	6.6	173
23	Synergetic Coupling of Lithiophilic Sites and Conductive Scaffolds for Dendriteâ€Free Lithium Metal Anodes. Small Methods, 2020, 4, 1900177.	4.6	31
24	Electrolyte Regulation towards Stable Lithiumâ€Metal Anodes in Lithiumâ€“Sulfur Batteries with Sulfurized Polyacrylonitrile Cathodes. Angewandte Chemie - International Edition, 2020, 59, 10732-10745.	7.2	108
25	A Composite Bifunctional Oxygen Electrocatalyst for Highâ€Performance Rechargeable Zincâ€“Air Batteries. ChemSusChem, 2020, 13, 1529-1536.	3.6	28
26	Electrolyte Regulation towards Stable Lithiumâ€Metal Anodes in Lithiumâ€“Sulfur Batteries with Sulfurized Polyacrylonitrile Cathodes. Angewandte Chemie, 2020, 132, 10821-10834.	1.6	80
27	Seawater electrolyte-based metalâ€“air batteries: from strategies to applications. Energy and Environmental Science, 2020, 13, 3253-3268.	15.6	128
28	Multiscale Construction of Bifunctional Electrocatalysts for Longâ€Lifespan Rechargeable Zincâ€“Air Batteries. Advanced Functional Materials, 2020, 30, 2003619.	7.8	70
29	Asymmetric Air Cathode Design for Enhanced Interfacial Electrocatalytic Reactions in Highâ€Performance Zincâ€“Air Batteries. Advanced Materials, 2020, 32, e1908488.	11.1	107
30	A Mixed Ether Electrolyte for Lithium Metal Anode Protection in Working Lithiumâ€“Sulfur Batteries. Energy and Environmental Materials, 2020, 3, 160-165.	7.3	85
31	Precise anionic regulation of NiFe hydroxysulfide assisted by electrochemical reactions for efficient electrocatalysis. Energy and Environmental Science, 2020, 13, 1711-1716.	15.6	103
32	Frameworkâ€Porphyrinâ€Derived Singleâ€Atom Bifunctional Oxygen Electrocatalysts and their Applications in Znâ€“Air Batteries. Advanced Materials, 2019, 31, e1900592.	11.1	256
33	Transition metal coordinated framework porphyrin for electrocatalytic oxygen reduction. Chinese Chemical Letters, 2019, 30, 911-914.	4.8	54
34	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
35	Expediting redox kinetics of sulfur species by atomicâ€scale electrocatalysts in lithiumâ€“sulfur batteries. InformaÄnÃ-MateriÃ¡ly, 2019, 1, 533-541.	8.5	261
36	Favorable Lithium Nucleation on Lithiophilic Framework Porphyrin for Dendrite-Free Lithium Metal Anodes. Research, 2019, 2019, 1-11.	2.8	33

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37	Favorable Lithium Nucleation on Lithiophilic Framework Porphyrin for Dendrite-Free Lithium Metal Anodes. Research, 2019, 2019, 4608940.	2.8	29
38	Polysulfide Electrocatalysis on Framework Porphyrin in High-Capacity and High-Stable Lithiumâ€“Sulfur Batteries. CCS Chemistry, 0, , 128-137.	4.6	131