

# Jia-Ning Liu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3153264/publications.pdf>

Version: 2024-02-01

26  
papers

3,197  
citations

279487

23  
h-index

525886

27  
g-index

27  
all docs

27  
docs citations

27  
times ranked

2559  
citing authors

#	ARTICLE	IF	CITATIONS
1	Preconstructing Asymmetric Interface in Air Cathodes for High-Performance Rechargeable Zn-Air Batteries. <i>Advanced Materials</i> , 2022, 34, e2109407.	11.1	54
2	A clicking confinement strategy to fabricate transition metal single-atom sites for bifunctional oxygen electrocatalysis. <i>Science Advances</i> , 2022, 8, eabn5091.	4.7	123
3	An anionic regulation mechanism for the structural reconstruction of sulfide electrocatalysts under oxygen evolution conditions. <i>Energy and Environmental Science</i> , 2022, 15, 3257-3264.	15.6	74
4	Regeneration of single-atom catalysts deactivated under acid oxygen reduction reaction conditions. <i>Journal of Energy Chemistry</i> , 2022, 73, 478-484.	7.1	32
5	Working Zinc-Air Batteries at 80% $\hat{\text{A}}^{\circ}\text{C}$ . <i>Angewandte Chemie</i> , 2022, 134, .	1.6	15
6	Intrinsic Electrocatalytic Activity Regulation of Mn-N-C Single-Atom Catalysts for the Oxygen Reduction Reaction. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4448-4463.	7.2	433
7	Intrinsische elektrokatalytische Aktivitätssteuerung von Mn-N-C-Einzelatom-Katalysatoren für die Sauerstoffreduktionsreaktion. <i>Angewandte Chemie</i> , 2021, 133, 4496-4512.	1.6	40
8	Redox mediator assists electron transfer in lithium-sulfur batteries with sulfurized polyacrylonitrile cathodes. <i>EcoMat</i> , 2021, 3, e12066.	6.8	69
9	Recent advances of noble-metal-free bifunctional oxygen reduction and evolution electrocatalysts. <i>Chemical Society Reviews</i> , 2021, 50, 7745-7778.	18.7	385
10	A $\langle b \rangle \hat{\text{I}} \langle /b \rangle \langle i \rangle \text{E} \langle /i \rangle \hat{\text{A}} = 0.63 \text{ V}$ Bifunctional Oxygen Electrocatalyst Enables High-Rate and Long-Cycling Zinc-Air Batteries. <i>Advanced Materials</i> , 2021, 33, e2008606.	11.1	154
11	Zinc-Air Batteries: A $\langle b \rangle \hat{\text{I}} \langle /b \rangle \langle i \rangle \text{E} \langle /i \rangle \hat{\text{A}} = 0.63 \text{ V}$ Bifunctional Oxygen Electrocatalyst Enables High-Rate and Long-Cycling Zinc-Air Batteries (Adv. Mater. 15/2021). <i>Advanced Materials</i> , 2021, 33, 2170117.	11.1	5
12	Can Aqueous Zinc-Air Batteries Work at Sub-Zero Temperatures?. <i>Angewandte Chemie</i> , 2021, 133, 15409-15413.	1.6	53
13	Can Aqueous Zinc-Air Batteries Work at Sub-Zero Temperatures?. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 15281-15285.	7.2	76
14	Understanding the Impedance Response of Lithium Polysulfide Symmetric Cells. <i>Small Science</i> , 2021, 1, 2100042.	5.8	54
15	Quantitative kinetic analysis on oxygen reduction reaction: A perspective. <i>Nano Materials Science</i> , 2021, 3, 313-318.	3.9	64
16	Semi-Immobilized Molecular Electrocatalysts for High-Performance Lithium-Sulfur Batteries. <i>Journal of the American Chemical Society</i> , 2021, 143, 19865-19872.	6.6	173
17	A Composite Bifunctional Oxygen Electrocatalyst for High-Performance Rechargeable Zinc-Air Batteries. <i>ChemSusChem</i> , 2020, 13, 1529-1536.	3.6	28
18	Seawater-based electrolyte for zinc-air batteries. <i>Green Chemical Engineering</i> , 2020, 1, 117-123.	3.3	24

#	ARTICLE	IF	CITATIONS
19	Coordination Tunes Selectivity: Twoâ€Electron Oxygen Reduction on Highâ€Loading Molybdenum Singleâ€Atom Catalysts. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9171-9176.	7.2	379
20	Coordination Tunes Selectivity: Twoâ€Electron Oxygen Reduction on Highâ€Loading Molybdenum Singleâ€Atom Catalysts. <i>Angewandte Chemie</i> , 2020, 132, 9256-9261.	1.6	98
21	Multiscale Construction of Bifunctional Electrocatalysts for Longâ€Lifespan Rechargeable Zincâ€Air Batteries. <i>Advanced Functional Materials</i> , 2020, 30, 2003619.	7.8	70
22	Asymmetric Air Cathode Design for Enhanced Interfacial Electrocatalytic Reactions in Highâ€Performance Zincâ€Air Batteries. <i>Advanced Materials</i> , 2020, 32, e1908488.	11.1	107
23	Precise anionic regulation of NiFe hydroxysulfide assisted by electrochemical reactions for efficient electrocatalysis. <i>Energy and Environmental Science</i> , 2020, 13, 1711-1716.	15.6	103
24	Frameworkâ€Porphyrinâ€Derived Singleâ€Atom Bifunctional Oxygen Electrocatalysts and their Applications in Znâ€Air Batteries. <i>Advanced Materials</i> , 2019, 31, e1900592.	11.1	256
25	Transition metal coordinated framework porphyrin for electrocatalytic oxygen reduction. <i>Chinese Chemical Letters</i> , 2019, 30, 911-914.	4.8	54
26	Electrosynthesis of Hydrogen Peroxide Synergistically Catalyzed by Atomic Coâ€N<sub>x</sub>/i>â€C Sites and Oxygen Functional Groups in Nobleâ€Metalâ€Free Electrocatalysts. <i>Advanced Materials</i> , 2019, 31, e1808173.	11.1	252