Hao-Qing Ji

List of Publications by Year
in descending order

29 papers	1,842 citations	304743 22 h-index	477307 29 g-index
29 all docs	29 docs citations	29 times ranked	1965 citing authors

#	Article	IF	Citations
1	Interfacial Microextraction Boosting Nitrogen Feed for Efficient Ambient Ammonia Synthesis in Aqueous Electrolyte. Advanced Functional Materials, 2022, 32, .	14.9	41
2	New Type of Dynamically â€œSolidâ€“Liquidâ€•Interconvertible Electrolyte for High-Rate Zn Metal Battery. Nano Letters, 2022, 22, 2898-2906.	9.1	13
3	Unravelling critical role of metal cation engineering in boosting hydrogen evolution reaction activity of molybdenum diselenide. Rare Metals, 2022, 41, 1851-1858.	7.1	10
4	Surpassing the Redox Potential Limit of Organic Cathode Materials via Extended pâ^Ï€ Conjugation of Dioxin. Nano Letters, 2022, 22, 3473-3479.	9.1	14
5	Altering the rate-determining step over cobalt single clusters leading to highly efficient ammonia synthesis. National Science Review, 2021, 8, nwaa136.	9.5	64
6	Rapid leakage responsive and self-healing Li-metal batteries. Chemical Engineering Journal, 2021, 404, 126470.	12.7	26
7	Proton-filtering covalent organic frameworks with superior nitrogen penetration flux promote ambient ammonia synthesis. Nature Catalysis, 2021, 4, 322-331.	34.4	216
8	Salting-out effect promoting highly efficient ambient ammonia synthesis. Nature Communications, 2021, 12, 3198.	12.8	105
9	All-Liquid-Phase Reaction Mechanism Enabling Cryogenic Liâ€“S Batteries. ACS Nano, 2021, 15, 13847-13856.	14.6	55
10	Molecular Simulations Guided Polymer Electrolyte towards Superior Low-Temperature Solid Lithium-Metal Batteries. ACS Applied Materials & Interfaces, 2021, 13, 48810-48817.	8.0	16
11	Super lithiophilic SEI derived from quinones electrolyte to guide Li uniform deposition. Energy Storage Materials, 2020, 24, 426-431.	18.0	34
12	Identifying the Lewis Base Chemistry in Preventing the Deposition of Metal Oxides on Ketone-Enriched Carbon Cathodes for Highly Durable Metalâ€“Air Batteries. ACS Applied Materials & Interfaces, 2020, 12, 3603-3609.	8.0	9
13	Pyridinic and graphitic nitrogen-enriched carbon paper as a highly active bifunctional catalyst for Zn-air batteries. Electrochimica Acta, 2020, 334, 135562.	5.2	45
14	Boosting the Optimization of Lithium Metal Batteries by Molecular Dynamics Simulations: A Perspective. Advanced Energy Materials, 2020, 10, 2002373.	19.5	56
15	Atomic Metal Vacancy Modulation of Single-Atom Dispersed Co/N/C for Highly Efficient and Stable Air Cathode. ACS Applied Materials & Interfaces, 2020, 12, 15298-15304.	8.0	33
16	Single-atom scale metal vacancy engineering in heteroatom-doped carbon for rechargeable zinc-air battery with reduced overpotential. Chemical Engineering Journal, 2020, 393, 124702.	12.7	43
17	Unveiling the Essential Nature of Lewis Basicity in Thermodynamically and Dynamically Promoted Nitrogen Fixation. Advanced Functional Materials, 2020, 30, 2001244.	14.9	49
18	In-situ observation as activity descriptor enables rational design of oxygen reduction catalyst for zinc-air battery. Energy Storage Materials, 2020, 27, 226-231.	18.0	42

#	Article	IF	Citations
19	Enhanced utilization of active sites of Fe/N/C catalysts by pore-in-pore structures for ultrahigh mass activity. Nanotechnology, 2020, 31, 315401.	2.6	6
20	Single-Atom Iron as Lithiophilic Site To Minimize Lithium Nucleation Overpotential for Stable Lithium Metal Full Battery. ACS Applied Materials & Interfaces, 2019, 11, 32008-32014.	8.0	64
21	Facilitating nitrogen accessibility to boron-rich covalent organic frameworks via electrochemical excitation for efficient nitrogen fixation. Nature Communications, 2019, 10, 3898.	12.8	191
22	Over 56.55% Faradaic efficiency of ambient ammonia synthesis enabled by positively shifting the reaction potential. Nature Communications, 2019, 10, 341.	12.8	412
23	A new high ionic conductive gel polymer electrolyte enables highly stable quasi-solid-state lithium sulfur battery. Energy Storage Materials, 2019, 22, 256-264.	18.0	89
24	CO₂ and CH₄ Hydrates: Replacement or Cogrowth?. Journal of Physical Chemistry C, 2019, 123, 13401-13409.	3.1	27
25	Molecular Dynamics Simulation of Methane Hydrate Formation and Dissociation in the Clay Pores with Fatty Acids. Journal of Physical Chemistry C, 2018, 122, 1318-1325.	3.1	49
26	Effects of Salt Ions on the Methane Hydrate Formation and Dissociation in the Clay Pore Water and Bulk Water. Energy & Fuels, 2018, 32, 12486-12494.	5.1	32
27	Molecular Mechanisms for Cyclodextrin-Promoted Methane Hydrate Formation in Water. Journal of Physical Chemistry C, 2017, 121, 20967-20975.	3.1	25
28	Microsecond Molecular Dynamics Simulation of Methane Hydrate Formation in Humic-Acid-Amended Sodium Montmorillonite. Energy & Fuels, 2016, 30, 7206-7213.	5.1	35
29	Effects of Asphaltenes on the Formation and Decomposition of Methane Hydrate: A Molecular Dynamics Study. Energy & Fuels, 2016, 30, 5643-5650.	5.1	41