Ziqi Wang

List of Publications by Year
in descending order

39 papers	4,355 citations	218592 26 h-index	302012 39 g-index
39 all docs	39 docs citations	39 times ranked	5106 citing authors

#	Article	IF	Citations
1	Dualâ€Emitting MOFâŠƒDye Composite for Ratiometric Temperature Sensing. Advanced Materials, 2015, 27, 1420-1425.	11.1	604
2	Recent advances in zinc anodes for high-performance aqueous Zn-ion batteries. Nano Energy, 2020, 70, 104523.	8.2	466
3	Tuning Zn2+ coordination environment to suppress dendrite formation for high-performance Zn-ion batteries. Nano Energy, 2021, 80, 105478.	8.2	318
4	A Metalâ€"Organicâ€Frameworkâ€Based Electrolyte with Nanowetted Interfaces for Highâ€Energyâ€Density Solidâ€State Lithium Battery. Advanced Materials, 2018, 30, 1704436.	11.1	272
5	Flexible Composite Solid Electrolyte Facilitating Highly Stable â€œSoft Contactingâ€• Liâ€"Electrolyte Interface for Solid State Lithiumâ€Ion Batteries. Advanced Energy Materials, 2017, 7, 1701437.	10.2	237
6	A MOF-based single-ion Zn2+ solid electrolyte leading to dendrite-free rechargeable Zn batteries. Nano Energy, 2019, 56, 92-99.	8.2	227
7	Mixed-Metalâ€"Organic Framework with Effective Lewis Acidic Sites for Sulfur Confinement in High-Performance Lithiumâ€"Sulfur Batteries. ACS Applied Materials & Interfaces, 2015, 7, 20999-21004.	4.0	182
8	Revealing the Shortâ€Circuiting Mechanism of Garnetâ€Based Solidâ€State Electrolyte. Advanced Energy Materials, 2019, 9, 1900671.	10.2	163
9	Porous anatase TiO₂constructed from a metalâ€"organic framework for advanced lithium-ion battery anodes. Journal of Materials Chemistry A, 2014, 2, 12571.	5.2	153
10	A luminescent nanoscale metalâ€"organic framework with controllable morphologies for spore detection. Chemical Communications, 2012, 48, 7377.	2.2	146
11	Unravelling H⁺/Zn²⁺ Synergistic Intercalation in a Novel Phase of Manganese Oxide for Highâ€Performance Aqueous Rechargeable Battery. Small, 2019, 15, e1904545.	5.2	133
12	A Metalâ€"Organic Framework with Open Metal Sites for Enhanced Confinement of Sulfur and Lithiumâ€"Sulfur Battery of Long Cycling Life. Crystal Growth and Design, 2013, 13, 5116-5120.	1.4	124
13	Boosting interfacial Li+ transport with a MOF-based ionic conductor for solid-state batteries. Nano Energy, 2018, 49, 580-587.	8.2	122
14	Towards High-Energy and Anti-Self-Discharge Zn-Ion Hybrid Supercapacitors with New Understanding of the Electrochemistry. Nano-Micro Letters, 2021, 13, 95.	14.4	115
15	Recent advances of hydrogel electrolytes in flexible energy storage devices. Journal of Materials Chemistry A, 2021, 9, 2043-2069.	5.2	111
16	An Anionicâ€MOFâ€Based Bifunctional Separator for Regulating Lithium Deposition and Suppressing Polysulfides Shuttle in Liâ€"S Batteries. Small Methods, 2020, 4, 2000082.	4.6	110
17	Simultaneously Regulating Uniform Zn2+ Flux and Electron Conduction by MOF/rGO Interlayers for High-Performance Zn Anodes. Nano-Micro Letters, 2021, 13, 73.	14.4	106
18	Highly dispersed Î²-NiS nanoparticles in porous carbon matrices by a template metalâ€"organic framework method for lithium-ion cathode. Journal of Materials Chemistry A, 2014, 2, 7912.	5.2	89

#	Article	IF	Citations
19	Sulfur encapsulated ZIF-8 as cathode material for lithiumâ€“sulfur battery with improved cyclability. Microporous and Mesoporous Materials, 2014, 185, 92-96.	2.2	81
20	A liquid metal assisted dendrite-free anode for high-performance Zn-ion batteries. Journal of Materials Chemistry A, 2021, 9, 5597-5605.	5.2	78
21	Single-Ion Conducting Double-Network Hydrogel Electrolytes for Long Cycling Zinc-Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 30594-30602.	4.0	61
22	A new fluorescent probe for distinguishing Zn2+ and Cd2+ with high sensitivity and selectivity. Dalton Transactions, 2013, 42, 11465.	1.6	58
23	In-situ self-polymerization restriction to form core-shell LiFePO4/C nanocomposite with ultrafast rate capability for high-power Li-ion batteries. Nano Energy, 2017, 39, 346-354.	8.2	58
24	Tuning Li-Ion Diffusion in Î±-LiMn_{1â€“<i>x</i>}Fe_{<i>x</i>}PO₄ Nanocrystals by Antisite Defects and Embedded Î²-Phase for Advanced Li-Ion Batteries. Nano Letters, 2017, 17, 4934-4940.	4.5	38
25	Cr 2 O 3 @TiO 2 yolk/shell octahedrons derived from a metalâ€“organic framework for high-performance lithium-ion batteries. Microporous and Mesoporous Materials, 2015, 203, 86-90.	2.2	33
26	Color-tunable and white-light emitting lanthanide complexes based on (CexEuyTb1â^'xâ^'y)2(BDC)3(H2O)4. Journal of Alloys and Compounds, 2012, 510, L5-L8.	2.8	32
27	Low-Temperature Catalytic Graphitization to Enhance Na-Ion Transportation in Carbon Electrodes. ACS Applied Materials & Interfaces, 2019, 11, 24164-24171.	4.0	27
28	Ultralong cycle life and high rate potassium ion batteries enabled by multi-level porous carbon. Journal of Power Sources, 2021, 492, 229614.	4.0	27
29	An ordered mesoporous silica framework based electrolyte with nanowetted interfaces for solid-state lithium batteries. Journal of Materials Chemistry A, 2018, 6, 21280-21286.	5.2	26
30	Enhanced lithium dendrite suppressing capability enabled by a solid-like electrolyte with different-sized nanoparticles. Chemical Communications, 2018, 54, 13060-13063.	2.2	25
31	Selfâ€Assembly of Antisite Defectless nanoâ€LiFePO₄@C/Reduced Graphene Oxide Microspheres for Highâ€Performance Lithiumâ€Ion Batteries. ChemSusChem, 2018, 11, 2255-2261.	3.6	25
32	Revealing the Degradation Mechanism of LiMn_{<i>x</i>}Fe_{1â€“<i>x</i>}PO₄ by the Single-Particle Electrochemistry Method. ACS Applied Materials & Interfaces, 2019, 11, 957-962.	4.0	24
33	Growing Poly(norepinephrine) Layer over Individual Nanoparticles To Boost Hybrid Perovskite Photocatalysts. ACS Applied Materials & Interfaces, 2020, 12, 27578-27586.	4.0	21
34	Electrochemical properties of SnO₂ nanoparticles immobilized within a metalâ€“organic framework as an anode material for lithium-ion batteries. RSC Advances, 2015, 5, 84662-84665.	1.7	19
35	Improving the Performance of Lithium-Sulfur Battery by Blocking Sulfur Diffusing Paths on the Host Materials. Journal of the Electrochemical Society, 2014, 161, A1231-A1235.	1.3	14
36	Understanding Li-ion thermodynamic and kinetic behaviors in concentrated electrolyte for the development of aqueous lithium-ion batteries. Nano Energy, 2021, 89, 106413.	8.2	13

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37	Evolving mechanism of organotemplate-free hierarchical FAU zeolites with house-of-card-like structures. Chemical Communications, 2018, 54, 9821-9824.	2.2	7
38	Revealing Insights into Li_{<i>x</i>}FePO₄ Nanocrystals with Magnetic Order at Room Temperature Resulting in Trapping of Li Ions. Journal of Physical Chemistry Letters, 2019, 10, 4794-4799.	2.1	7
39	In-situ activation for optimizing meso-/microporous structure of hollow carbon shells for supercapacitors. Functional Materials Letters, 2018, 11, 1850049.	0.7	3