Wang Zhang

List of Publications by Year
in descending order

35 papers	3,706 citations	218592 26 h-index	360920 35 g-index
35 all docs	35 docs citations	35 times ranked	3923 citing authors

#	Article	IF	Citations
1	1,3-Dimethyl-2-imidazolidinone: an ideal electrolyte solvent for high-performance Liâ€“O2 battery with pretreated Li anode. Science Bulletin, 2022, 67, 141-150.	4.3	8
2	The Emerging Electrochemical Activation Tactic for Aqueous Energy Storage: Fundamentals, Applications, and Future. Advanced Functional Materials, 2022, 32, .	7.8	34
3	Investigation of MXenes as oxygen reduction electrocatalyst for selective H2O2 generation. Nano Research, 2022, 15, 3927-3932.	5.8	30
4	Nanodotâ€inâ€Nanofiber Structured Carbonâ€Confined Sb₂Se₃ Crystallites for Fast and Durable Sodium Storage. Advanced Functional Materials, 2022, 32, .	7.8	32
5	Ice-Assisted Synthesis of Highly Crystallized Prussian Blue Analogues for All-Climate and Long-Calendar-Life Sodium Ion Batteries. Nano Letters, 2022, 22, 1302-1310.	4.5	68
6	Prussian Blue Analogues for Sodiumâ€ion Batteries: Past, Present, and Future. Advanced Materials, 2022, 34, e2108384.	11.1	252
7	Low-cost fumed silicon dioxide uniform Li+ flux for lean-electrolyte and anode-free Li/S battery. Energy Storage Materials, 2022, 48, 366-374.	9.5	30
8	Toward <scp>highâ€performance lithiumâ€oxygen</scp> batteries with cobaltâ€based transition metal oxide catalysts: Advanced strategies and mechanical insights. InformaÄnÃ-MateriÃ¡ly, 2022, 4, .	8.5	29
9	Manipulating the Water Dissociation Electrocatalytic Sites of Bimetallic Nickelâ€Based Alloys for Highly Efficient Alkaline Hydrogen Evolution. Angewandte Chemie, 2022, 134, .	1.6	7
10	Manipulating the Water Dissociation Electrocatalytic Sites of Bimetallic Nickelâ€Based Alloys for Highly Efficient Alkaline Hydrogen Evolution. Angewandte Chemie - International Edition, 2022, 61, .	7.2	124
11	Ball Milling Solidâ€State Synthesis of Highly Crystalline Prussian Blue Analogue Na_{2â^'x}MnFe(CN)₆Cathodes for Allâ€Climate Sodiumâ€ion Batteries. Angewandte Chemie - International Edition, 2022, 61, .	7.2	53
12	Ball Milling Solidâ€State Synthesis of Highly Crystalline Prussian Blue Analogue Na_{2â^'x}MnFe(CN)₆Cathodes for Allâ€Climate Sodiumâ€ion Batteries. Angewandte Chemie, 2022, 134, .	1.6	11
13	Nb2CT MXenes functionalized Coâ^'NC enhancing electrochemical H2O2 production for organics degradation. Applied Catalysis B: Environmental, 2022, 317, 121737.	10.8	19
14	Inâ€Situ Electrochemically Activated Surface Vanadium Valence in V₂C MXene to Achieve High Capacity and Superior Rate Performance for Znâ€ion Batteries. Advanced Functional Materials, 2021, 31, 2008033.	7.8	156
15	Defect-free-induced Na⁺ disordering in electrode materials. Energy and Environmental Science, 2021, 14, 3130-3140.	15.6	62
16	Architecting Amorphous Vanadium Oxide/MXene Nanohybrid via Tunable Anodic Oxidation for Highâ€Performance Sodiumâ€ion Batteries. Advanced Energy Materials, 2021, 11, 2100757.	10.2	99
17	Sulfonic-Group-Grafted Ti₃C₂T_x MXene: A Silver Bullet to Settle the Instability of Polyaniline toward High-Performance Zn-Ion Batteries. ACS Nano, 2021, 15, 9065-9075.	7.3	78
18	Rational Design of Embedded CoTe₂ Nanoparticles in Freestanding N-Doped Multichannel Carbon Fibers for Sodium-Ion Batteries with Ultralong Cycle Lifespan. ACS Applied Materials & Interfaces, 2021, 13, 34134-34144.	4.0	33

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19	Metalâ€“Organic Framework Derived Ultrafine Sb@Porous Carbon Octahedron via In Situ Substitution for High-Performance Sodium-Ion Batteries. ACS Nano, 2021, 15, 15104-15113.	7.3	79
20	Processing Rusty Metals into Versatile Prussian Blue for Sustainable Energy Storage. Advanced Energy Materials, 2021, 11, 2102356.	10.2	41
21	Conjugated System of PEDOT:PSS-Induced Self-Doped PANI for Flexible Zinc-Ion Batteries with Enhanced Capacity and Cyclability. ACS Applied Materials & Interfaces, 2019, 11, 30943-30952.	4.0	89
22	Sustainable cycling enabled by a high-concentration electrolyte for lithium-organic batteries. Chemical Communications, 2019, 55, 608-611.	2.2	26
23	Strategies Toward Stable Nonaqueous Alkali Metalâ€“O₂ Batteries. Advanced Energy Materials, 2019, 9, 1900464.	10.2	35
24	Intrinsically Optimizing Charge Transfer via Tuning Charge/Discharge Mode for Lithiumâ€“Oxygen Batteries. Small, 2019, 15, 1900154.	5.2	7
25	High areal capacity, long cycle life Li-O2 cathode based on highly elastic gel granules. Nano Energy, 2018, 47, 353-360.	8.2	19
26	Fluorineâ€Free Synthesis of Highâ€Purity Ti₃C₂T_x (T=OH, O) via Alkali Treatment. Angewandte Chemie - International Edition, 2018, 57, 6115-6119.	7.2	809
27	Activate metallic copper as high-capacity cathode for lithium-ion batteries via nanocomposite technology. Nano Energy, 2018, 54, 59-65.	8.2	22
28	Protecting the Liâ€Metal Anode in a Liâ€“O₂ Battery by using Boric Acid as an SEIâ€Forming Additive. Advanced Materials, 2018, 30, e1803270.	11.1	213
29	Objectively Evaluating the Cathode Performance of Lithiumâ€Oxygen Batteries. Advanced Energy Materials, 2017, 7, 1602938.	10.2	33
30	Inâ€…Situâ€Formed Hierarchical Metalâ€“Organic Flexible Cathode for Highâ€Energy Sodiumâ€Ion Batteries. ChemSusChem, 2017, 10, 4704-4708.	3.6	33
31	Comment on â€œCycling Li-O ₂ batteries via LiOH formation and decompositionâ€. Science, 2016, 352, 667-667.	6.0	44
32	Promoting Li2O2 oxidation via solvent-assisted redox shuttle process for low overpotential Li-O2 battery. Nano Energy, 2016, 30, 43-51.	8.2	76
33	A Solution-Phase Bifunctional Catalyst for Lithiumâ€“Oxygen Batteries. Journal of the American Chemical Society, 2014, 136, 8941-8946.	6.6	409
34	A high-capacity lithiumâ€“air battery with Pd modified carbon nanotube sponge cathode working in regular air. Carbon, 2013, 62, 288-295.	5.4	116
35	A New Strategy to Microporous Polymers: Knitting Rigid Aromatic Building Blocks by External Cross-Linker. Macromolecules, 2011, 44, 2410-2414.	2.2	530