Minghui Ye

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43 papers	1,150 citations	18 h-index	33 g-index
47 ext. papers	1,849 ext. citations	12.6 avg, IF	5.17 L-index

#	Paper	IF	Citations
43	Challenges in the material and structural design of zinc anode towards high-performance aqueous zinc-ion batteries. *Energy and Environmental Science*, **2020**, 13, 3330-3360	35.4	185
42	Graphene Platforms for Smart Energy Generation and Storage. *Joule*, **2018**, 2, 245-268	27.8	124
41	Synergistic Manipulation of Zn Ion Flux and Desolvation Effect Enabled by Anodic Growth of a 3D ZnF Matrix for Long-Lifespan and Dendrite-Free Zn Metal Anodes. *Advanced Materials*, **2021**, 33, e2007388	24	123
40	Branched Graphene Nanocapsules for Anode Material of Lithium-Ion Batteries. *Chemistry of Materials*, **2015**, 27, 5253-5260	9.6	67
39	A General and Extremely Simple Remote Approach toward Graphene Bulks with In Situ Multifunctionalization. *Advanced Materials*, **2016**, 28, 3305-12	24	67
38	A 4 V Class Potassium Metal Battery with Extremely Low Overpotential. *ACS Nano*, **2019**, 13, 9306-9314	16.7	44
37	Graphene-winged carbon nanotubes as high-performance lithium-ion batteries anode with super-long cycle life. *Journal of Power Sources*, **2016**, 305, 106-114	8.9	41
36	A smart, anti-piercing and eliminating-dendrite lithium metal battery. *Nano Energy*, **2018**, 49, 403-410	17.1	35
35	High-Voltage Zinc-Ion Batteries: Design Strategies and Challenges. *Advanced Functional Materials*, **2021**, 31, 2010213	15.6	35
34	Rational-design of polyaniline cathode using proton doping strategy by graphene oxide for enhanced aqueous zinc-ion batteries. *Journal of Power Sources*, **2020**, 450, 227716	8.9	31
33	Uniquely arranged graphene-on-graphene structure as a binder-free anode for high-performance lithium-ion batteries. *Small*, **2014**, 10, 5035-41	11	30
32	Redistributing Zn-ion flux by interlayer ion channels in Mg-Al layered double hydroxide-based artificial solid electrolyte interface for ultra-stable and dendrite-free Zn metal anodes. *Energy Storage Materials*, **2021**, 41, 230-239	19.4	30
31	Interlayer Engineering of Molybdenum Trioxide toward High-Capacity and Stable Sodium Ion Half/Full Batteries. *Advanced Functional Materials*, **2020**, 30, 2001708	15.6	29
30	In Situ Carbon Insertion in Laminated Molybdenum Dioxide by Interlayer Engineering Toward Ultrastable Rocking-Chair Zinc-Ion Batteries. *Advanced Functional Materials*, **2021**, 31, 2102827	15.6	28
29	Controllable localization of carbon nanotubes on the holey edge of graphene: an efficient oxygen reduction electrocatalyst for Zn–air batteries. *Journal of Materials Chemistry A*, **2016**, 4, 18240-18247	13	27
28	Metal/graphene oxide batteries. *Carbon*, **2017**, 125, 299-307	10.4	23
27	Graphene decorated with bimodal size of carbon polyhedrons for enhanced lithium storage. *Carbon*, **2016**, 106, 9-19	10.4	23

26	Recent advances of transition metal based bifunctional electrocatalysts for rechargeable zinc-air batteries. *Journal of Power Sources*, **2020**, 477, 228696	8.9	21
25	Chromatographic selectivity of graphene capillary column pretreated with bio-inspired polydopamine polymer. *RSC Advances*, **2015**, 5, 74040-74045	3.7	17
24	A 1D□3D interconnected □MnO2 nanowires network as high-performance and high energy efficiency cathode material for aqueous zinc-ion batteries. *Electrochimica Acta*, **2021**, 370, 137740	6.7	17
23	A respiration-detective graphene oxide/lithium battery. *Journal of Materials Chemistry A*, **2016**, 4, 19154-19159	13	16
22	Transition metal phosphides: new generation cathode host/separator modifier for Li□S batteries. *Journal of Materials Chemistry A*, **2021**, 9, 7458-7480	13	15
21	Interlayer Chemistry of Layered Electrode Materials in Energy Storage Devices. *Advanced Functional Materials*, **2021**, 31, 2007358	15.6	14
20	Integration of Localized Electric-Field Redistribution and Interfacial Tin Nanocoating of Lithium Microparticles toward Long-Life Lithium Metal Batteries. *ACS Applied Materials & Interfaces*, **2021**, 13, 650-659	9.5	13
19	Layered zirconium phosphate-based artificial solid electrolyte interface with zinc ion channels towards dendrite-free Zn metal anodes. *Chemical Engineering Journal*, **2022**, 432, 134227	14.7	12
18	Post-Lithium-Ion Battery Era: Recent Advances in Rechargeable Potassium-Ion Batteries. *Chemistry - A European Journal*, **2021**, 27, 512-536	4.8	12
17	An Imperata Cylindrical Flowers-Shaped Porous Graphene Microelectrode for Direct Electrochemistry of Glucose Oxidase. *Journal of the Electrochemical Society*, **2015**, 162, B138-B144	3.9	11
16	Paraffin wax protecting 3D non-dendritic lithium for backside-plated lithium metal anode. *Energy Storage Materials*, **2020**, 24, 153-159	19.4	10
15	In-situ construction of a NaF-rich cathode□electrolyte interface on Prussian blue toward a 3000-cycle-life sodium-ion battery. *Materials Today Energy*, **2022**, 23, 100898	7	7
14	Enable commercial Zinc powders for dendrite-free Zinc anode with improved utilization rate by pristine graphene hybridization. *Energy Storage Materials*, **2022**, 45, 465-473	19.4	7
13	Regulating the Electrolyte Solvation Structure Enables Ultralong Lifespan Vanadium-Based Cathodes with Excellent Low-Temperature Performance. *Advanced Functional Materials*,2111714	15.6	6
12	Dual-Redox Sites Guarantee High-Capacity Sodium Storage in Two-Dimension Conjugated Metal□Organic Frameworks. *Advanced Functional Materials*,2112072	15.6	6
11	Ten Thousand-Cycle Ultrafast Energy Storage of Wadsley-Roth Phase Fe-Nb Oxides with a Desolvation Promoting Interfacial Layer. *Nano Letters*, **2021**, 21, 9675-9683	11.5	5
10	Nb-based compounds for rapid lithium-ion storage and diffusion. *Journal of Power Sources*, **2021**, 496, 229840	8.9	3
9	Interfacial Protection Engineering of Sodium Nanoparticles toward Dendrite-Free and Long-Life Sodium Metal Battery. *Small*, **2021**, 17, e2102400	11	3

8	Activating the Stepwise Intercalation-Conversion Reaction of Layered Copper Sulfide toward Extremely High Capacity Zinc-Metal-Free Anodes for Rocking-Chair Zinc-Ion Batteries.. *ACS Applied Materials & Interfaces*, **2021**,	9.5	3
7	Oxidation degree of graphene reflected by morphology-tailored ZnO growth. *Carbon*, **2016**, 107, 583-592	10.4	2
6	Cation mixing in Wadsley-Roth phase anode of lithium-ion battery improves cycling stability and fast Li+ storage. *Applied Physics Reviews*, **2021**, 8, 031404	17.3	2
5	Ultrahigh Rate and Ultralong Life Span Sodium Storage of FePS Enabled by the Space Confinement Effect of Layered Expanded Graphite. *ACS Applied Materials & Interfaces*, **2021**, 13, 55254-55262	9.5	1
4	The Efficient K Ion Storage of M P O /C (M=Fe, Co, Ni) Anode Derived from Organic-Inorganic Phosphate Precursors. *Chemistry - A European Journal*, **2021**, 27, 9031-9037	4.8	1
3	Fast and homogeneous ion regulation toward a 4 V, high-rate and dendrite-free potassium metal battery. *Chemical Engineering Journal*, **2022**, 442, 135927	14.7	1
2	Manipulating the Electronic Structure of Graphite Intercalation Compounds for Boosting the Bifunctional Oxygen Catalytic Performance.. *Small*, **2022**, e2107667	11	0
1	In-Situ Activated NiFePBA-FeOOH Electrocatalyst for Oxygen Evolution Reaction and Zinc-Air Battery. *ChemistrySelect*, **2021**, 6, 3683-3691	1.8	0