

Minghui Ye

List of Publications by Year in descending order

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47
papers

2,699
citations

218381

26
h-index

223531

46
g-index

47
all docs

47
docs citations

47
times ranked

2409
citing authors

#	ARTICLE	IF	CITATIONS
1	Challenges in the material and structural design of zinc anode towards high-performance aqueous zinc-ion batteries. <i>Energy and Environmental Science</i> , 2020, 13, 3330-3360.	15.6	576
2	Synergistic Manipulation of Zn ²⁺ Ion Flux and Desolvation Effect Enabled by Anodic Growth of a 3D ZnF ₂ Matrix for Long-Life Span and Dendrite-Free Zn Metal Anodes. <i>Advanced Materials</i> , 2021, 33, e2007388.	11.1	359
3	Graphene Platforms for Smart Energy Generation and Storage. <i>Joule</i> , 2018, 2, 245-268.	11.7	168
4	High-Voltage Zinc-Ion Batteries: Design Strategies and Challenges. <i>Advanced Functional Materials</i> , 2021, 31, 2010213.	7.8	123
5	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. <i>Energy Storage Materials</i> , 2021, 41, 230-239.	9.5	109
6	A General and Extremely Simple Remote Approach toward Graphene Bulks with In Situ Multifunctionalization. <i>Advanced Materials</i> , 2016, 28, 3305-3312.	11.1	79
7	A 4 V Class Potassium Metal Battery with Extremely Low Overpotential. <i>ACS Nano</i> , 2019, 13, 9306-9314.	7.3	76
8	Enable commercial Zinc powders for dendrite-free Zinc anode with improved utilization rate by pristine graphene hybridization. <i>Energy Storage Materials</i> , 2022, 45, 465-473.	9.5	76
9	Branched Graphene Nanocapsules for Anode Material of Lithium-Ion Batteries. <i>Chemistry of Materials</i> , 2015, 27, 5253-5260.	3.2	74
10	Rational-design of polyaniline cathode using proton doping strategy by graphene oxide for enhanced aqueous zinc-ion batteries. <i>Journal of Power Sources</i> , 2020, 450, 227716.	4.0	71
11	Transition metal phosphides: new generation cathode host/separator modifier for Li-S batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 7458-7480.	5.2	69
12	In Situ Carbon Insertion in Laminated Molybdenum Dioxide by Interlayer Engineering Toward Ultrastable Rocking-Chair Zinc-Ion Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2102827.	7.8	64
13	Interlayer Engineering of Molybdenum Trioxide toward High-Capacity and Stable Sodium Ion Half/Full Batteries. <i>Advanced Functional Materials</i> , 2020, 30, 2001708.	7.8	58
14	A smart, anti-piercing and eliminating-dendrite lithium metal battery. <i>Nano Energy</i> , 2018, 49, 403-410.	8.2	57
15	Recent advances of transition metal based bifunctional electrocatalysts for rechargeable zinc-air batteries. <i>Journal of Power Sources</i> , 2020, 477, 228696.	4.0	56
16	Regulating the Electrolyte Solvation Structure Enables Ultralong Lifespan Vanadium-Based Cathodes with Excellent Low-Temperature Performance. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	56
17	Graphene-winged carbon nanotubes as high-performance lithium-ion batteries anode with super-long cycle life. <i>Journal of Power Sources</i> , 2016, 305, 106-114.	4.0	48
18	A 1D-3D interconnected MnO ₂ nanowires network as high-performance and high energy efficiency cathode material for aqueous zinc-ion batteries. <i>Electrochimica Acta</i> , 2021, 370, 137740.	2.6	43

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19	Layered zirconium phosphate-based artificial solid electrolyte interface with zinc ion channels towards dendrite-free Zn metal anodes. <i>Chemical Engineering Journal</i> , 2022, 432, 134227.	6.6	42
20	Uniquely Arranged Grapheneâ€“Graphene Structure as a Binderâ€“Free Anode for Highâ€“Performance Lithiumâ€“ion Batteries. <i>Small</i> , 2014, 10, 5035-5041.	5.2	36
21	Metal/graphene oxide batteries. <i>Carbon</i> , 2017, 125, 299-307.	5.4	36
22	In-situ construction of a NaF-rich cathodeâ€“electrolyte interface on Prussian blue toward a 3000-cycle-life sodium-ion battery. <i>Materials Today Energy</i> , 2022, 23, 100898.	2.5	36
23	Controllable localization of carbon nanotubes on the holey edge of graphene: an efficient oxygen reduction electrocatalyst for Znâ€“air batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18240-18247.	5.2	31
24	Dualâ€“Redox Sites Guarantee Highâ€“Capacity Sodium Storage in Twoâ€“Dimension Conjugated Metalâ€“Organic Frameworks. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	31
25	Graphene decorated with bimodal size of carbon polyhedrons for enhanced lithium storage. <i>Carbon</i> , 2016, 106, 9-19.	5.4	29
26	Interlayer Chemistry of Layered Electrode Materials in Energy Storage Devices. <i>Advanced Functional Materials</i> , 2021, 31, 2007358.	7.8	28
27	Activating the Stepwise Intercalationâ€“Conversion Reaction of Layered Copper Sulfide toward Extremely High Capacity Zinc-Metal-Free Anodes for Rocking-Chair Zinc-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 1126-1137.	4.0	26
28	Postâ€“Lithiumâ€“ion Battery Era: Recent Advances in Rechargeable Potassiumâ€“ion Batteries. <i>Chemistry - A European Journal</i> , 2021, 27, 512-536.	1.7	25
29	A respiration-detective graphene oxide/lithium battery. <i>Journal of Materials Chemistry A</i> , 2016, 4, 19154-19159.	5.2	24
30	Integration of Localized Electric-Field Redistribution and Interfacial Tin Nanocoating of Lithium Microparticles toward Long-Life Lithium Metal Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 650-659.	4.0	24
31	Cation mixing in Wadsley-Roth phase anode of lithium-ion battery improves cycling stability and fast Li ⁺ storage. <i>Applied Physics Reviews</i> , 2021, 8, .	5.5	21
32	Paraffin wax protecting 3D non-dendritic lithium for backside-plated lithium metal anode. <i>Energy Storage Materials</i> , 2020, 24, 153-159.	9.5	20
33	Chromatographic selectivity of graphene capillary column pretreated with bio-inspired polydopamine polymer. <i>RSC Advances</i> , 2015, 5, 74040-74045.	1.7	17
34	Ten Thousand-Cycle Ultrafast Energy Storage of Wadsleyâ€“Roth Phase Feâ€“Nb Oxides with a Desolvation Promoting Interfacial Layer. <i>Nano Letters</i> , 2021, 21, 9675-9683.	4.5	17
35	An Imperata Cylindrical Flowers-Shaped Porous Graphene Microelectrode for Direct Electrochemistry of Glucose Oxidase. <i>Journal of the Electrochemical Society</i> , 2015, 162, B138-B144.	1.3	12
36	Ultrahigh Rate and Ultralong Life Span Sodium Storage of FePS ₃ Enabled by the Space Confinement Effect of Layered Expanded Graphite. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 55254-55262.	4.0	11

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37	Manipulating the Electronic Structure of Graphite Intercalation Compounds for Boosting the Bifunctional Oxygen Catalytic Performance. <i>Small</i> , 2022, 18, e2107667.	5.2	11
38	Achieving Stable Zinc-Ion Storage Performance of Manganese Oxides by Synergistic Engineering of the Interlayer Structure and Interface. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 10489-10497.	4.0	11
39	Fast and homogeneous ion regulation toward a 4V, high-rate and dendrite-free potassium metal battery. <i>Chemical Engineering Journal</i> , 2022, 442, 135927.	6.6	11
40	Nb-based compounds for rapid lithium-ion storage and diffusion. <i>Journal of Power Sources</i> , 2021, 496, 229840.	4.0	9
41	Enhancing the coupling effect in a sandwiched FeNiPS ₃ /graphite catalyst derived from graphite intercalation compounds for efficient oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2022, 10, 11793-11802.	5.2	8
42	Interfacial Protection Engineering of Sodium Nanoparticles toward Dendrite-Free and Long-Life Sodium Metal Battery. <i>Small</i> , 2021, 17, e2102400.	5.2	7
43	An in situ constructed Li ⁺ -Conductive interphase enables high-capacity and high-rate SiO _x /C anode. <i>Journal of Power Sources</i> , 2022, 542, 231795.	4.0	5
44	In-situ Activated NiFePBA-FeOOH Electrocatalyst for Oxygen Evolution Reaction and Zinc-Air Battery. <i>ChemistrySelect</i> , 2021, 6, 3683-3691.	0.7	4
45	Oxidation degree of graphene reflected by morphology-tailored ZnO growth. <i>Carbon</i> , 2016, 107, 583-592.	5.4	3
46	The Efficient K Ion Storage of M ₂ P ₂ O ₇ /C (M=Fe, Co, Ni) Anode Derived from Organic-Inorganic Phosphate Precursors. <i>Chemistry - A European Journal</i> , 2021, 27, 9031-9037.	1.7	2
47	Frontispiece: Post-Lithium-Ion Battery Era: Recent Advances in Rechargeable Potassium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2021, 27, .	1.7	0