

Weidong Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2182226/publications.pdf>

Version: 2024-02-01

27
papers

2,130
citations

361296

20
h-index

552653

26
g-index

27
all docs

27
docs citations

27
times ranked

2316
citing authors

#	ARTICLE	IF	CITATIONS
1	Outside-In Nanostructure Fabricated on LiCoO_2 Surface for High-Voltage Lithium-Ion Batteries. <i>Advanced Science</i> , 2022, 9, e2104841.	5.6	51
2	In-situ polymerization with dual-function electrolyte additive toward future lithium metal batteries. <i>Materials Today Energy</i> , 2022, 26, 100984.	2.5	18
3	Tuning Ion/Electron Conducting Properties at Electrified Interfaces for Practical All-Solid-State Li-Metal Batteries. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	12
4	Fabrication of metal-organic framework-based nanofibrous separator via one-pot electrospinning strategy. <i>Nano Research</i> , 2021, 14, 1465-1470.	5.8	32
5	High-Efficacy and Polymeric Solid-Electrolyte Interphase for Closely Packed Li Electrodeposition. <i>Advanced Science</i> , 2021, 8, 2003240.	5.6	39
6	Recent Advances of Composite Solid-State Electrolytes for Lithium-Based Batteries. <i>Energy & Fuels</i> , 2021, 35, 11118-11140.	2.5	16
7	Tailored Electrolytes Enabling Practical Lithium-Sulfur Full Batteries via Interfacial Protection. <i>ACS Energy Letters</i> , 2021, 6, 2673-2681.	8.8	52
8	Dual-salt-additive electrolyte enables high-voltage lithium metal full batteries capable of fast-charging ability. <i>Nano Energy</i> , 2021, 89, 106353.	8.2	90
9	Inhibiting Dendrite Growth via Regulating the Electrified Interface for Fast-Charging Lithium Metal Anode. <i>ACS Central Science</i> , 2021, 7, 2029-2038.	5.3	24
10	Dynamic interphase-mediated assembly for deep cycling metal batteries. <i>Science Advances</i> , 2021, 7, eabl3752.	4.7	81
11	Design Principles of the Anode-Electrolyte Interface for All Solid-State Lithium Metal Batteries. <i>Small Methods</i> , 2020, 4, 1900592.	4.6	88
12	Ionic liquid-reinforced carbon nanofiber matrix enabled lean-electrolyte Li-S batteries via electrostatic attraction. <i>Energy Storage Materials</i> , 2020, 26, 378-384.	9.5	25
13	Constructing a Phosphating-Nitriding Interface for Practically Used Lithium Metal Anode. , 2020, 2, 1-8.		14
14	Engineering Wavy-Nanostructured Anode Interphases with Fast Ion Transfer Kinetics: Toward Practical Li-Metal Full Batteries. <i>Advanced Functional Materials</i> , 2020, 30, 2003800.	7.8	63
15	Tuning the Interfacial Electronic Conductivity by Artificial Electron Tunneling Barriers for Practical Lithium Metal Batteries. <i>Nano Letters</i> , 2020, 20, 6606-6613.	4.5	43
16	Colossal Granular Lithium Deposits Enabled by the Grain-Coarsening Effect for High-Efficiency Lithium Metal Full Batteries. <i>Advanced Materials</i> , 2020, 32, e2001740.	11.1	157
17	Synergistic Dual-Additive Electrolyte Enables Practical Lithium-Metal Batteries. <i>Angewandte Chemie</i> , 2020, 132, 15045-15051.	1.6	26
18	Synergistic Dual-Additive Electrolyte Enables Practical Lithium-Metal Batteries. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14935-14941.	7.2	210

#	ARTICLE	IF	CITATIONS
19	Tuning the LUMO Energy of an Organic Interphase to Stabilize Lithium Metal Batteries. ACS Energy Letters, 2019, 4, 644-650.	8.8	129
20	Stable Li-Metal Deposition via a 3D Nanodiamond Matrix with Ultrahigh Young's Modulus. Small Methods, 2019, 3, 1900325.	4.6	40
21	Hierarchical Co ₃ O ₄ Nanofiber@Carbon Sheet Skeleton with Superior Na/Li-Philic Property Enabling Highly Stable Alkali Metal Batteries. Advanced Functional Materials, 2019, 29, 1808847.	7.8	147
22	A cation-anion regulation synergistic anode host for dendrite-free lithium metal batteries. Science Advances, 2018, 4, eaar4410.	4.7	241
23	Stable Lithium Electrodeposition at Ultra-High Current Densities Enabled by 3D PMF/Li Composite Anode. Advanced Energy Materials, 2018, 8, 1703360.	10.2	194
24	Design Principles of Functional Polymer Separators for High-Energy, Metal-Based Batteries. Small, 2018, 14, e1703001.	5.2	155
25	Enabling Stable Lithium Metal Anode via 3D Inorganic Skeleton with Superlithiophilic Interphase. Advanced Energy Materials, 2018, 8, 1802350.	10.2	147
26	Pressure-fluctuation analysis of a Gas-Solid fluidized bed using the wigner distribution. AIChE Journal, 1997, 43, 345-356.	1.8	20
27	Modeling pressure fluctuations via correlation structure in a gas-solids fluidized bed. AIChE Journal, 1997, 43, 1914-1920.	1.8	16