

# Weicai Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7324446/publications.pdf>

Version: 2024-02-01

23  
papers

1,095  
citations

759233

12  
h-index

713466

21  
g-index

23  
all docs

23  
docs citations

23  
times ranked

1563  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of rechargeable batteries for portable electronic devices. <i>Informa</i> Mater. Rev., 2019, 1, 6-32.	17.3	694
2	Interface Engineering of Carbon-Based Nanocomposites for Advanced Electrochemical Energy Storage. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800430.	3.7	95
3	Architecture engineering of carbonaceous anodes for high-rate potassium-ion batteries. , 2021, 3, 554-581.		39
4	Facile construction of hollow carbon nanosphere-interconnected network for advanced sodium-ion battery anode. <i>Journal of Colloid and Interface Science</i> , 2019, 546, 53-59.	9.4	31
5	Facile construction of uniform ultramicropores in porous carbon for advanced sodium-ion battery. <i>Journal of Colloid and Interface Science</i> , 2021, 582, 852-858.	9.4	24
6	Non-tubular-biomass-derived nitrogen-doped carbon microtubes for ultrahigh-area-capacity lithium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2020, 580, 638-644.	9.4	22
7	Propelling electrochemical kinetics of transition metal oxide for high-rate lithium-ion battery through in situ deoxidation. <i>Journal of Colloid and Interface Science</i> , 2021, 587, 590-596.	9.4	22
8	Advanced nanonetwork-structured carbon materials for high-performance formaldehyde capture. <i>Journal of Colloid and Interface Science</i> , 2019, 537, 562-568.	9.4	20
9	A general strategy for metal compound encapsulated into network-structured carbon as fast-charging alkali-metal ion battery anode. <i>Energy Storage Materials</i> , 2020, 29, 300-309.	18.0	19
10	Sodium alginate assisted preparation of oxygen-doped microporous carbons with enhanced electrochemical energy storage and hydrogen uptake. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 896-905.	7.1	19
11	Facile Synthesis of Core-Shell Structured SiO <sub>2</sub> @Carbon Composite Nanorods for High-Performance Lithium-Ion Batteries. <i>Nanomaterials</i> , 2020, 10, 513.	4.1	17
12	Improved ion-diffusion performance by engineering an ordered mesoporous shell in hollow carbon nanospheres. <i>Chemical Communications</i> , 2020, 56, 2467-2470.	4.1	14
13	A self-crosslinking procedure to construct yolk-shell Au@microporous carbon nanospheres for lithium-sulfur batteries. <i>Chemical Communications</i> , 2020, 56, 1215-1218.	4.1	13
14	Engineering of nanonetwork-structured carbon to enable high-performance potassium-ion storage. <i>Journal of Colloid and Interface Science</i> , 2020, 561, 195-202.	9.4	13
15	A general strategy for metal oxide nanoparticles embedded into heterogeneous carbon nanosheets as high-rate lithium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2020, 8, 25382-25389.	10.3	13
16	General synthesis of ultrahigh-surface-area porous carbons with superior yield via preferential removal of sp <sup>2</sup> -hybridized atoms. <i>Carbon</i> , 2021, 182, 100-108.	10.3	12
17	A versatile route to metal oxide nanoparticles impregnated in carbon matrix for electrochemical energy storage. <i>Chemical Engineering Journal</i> , 2021, 404, 126461.	12.7	11
18	Key to intimately coupling metal chalcogenides with a carbon nanonetwork for potassium-ion storage. <i>Journal of Materials Chemistry A</i> , 2022, 10, 8958-8965.	10.3	6

#	ARTICLE	IF	CITATIONS
19	Active Nanointerface-Assisted Co@Shell Au@Ordered Mesoporous Carbon Nanospheres. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901703.	3.7	3
20	Direct carbonization of black liquor powders into 3D honeycomb-like porous carbons with a tunable disordered degree for sodium-ion batteries. <i>New Journal of Chemistry</i> , 2020, 44, 10697-10702.	2.8	3
21	Homogeneous triple-phase interfaces enabling one-pot route to metal compound/carbon composites. <i>Journal of Colloid and Interface Science</i> , 2021, 599, 271-279.	9.4	3
22	From Lychee Seeds to Hierarchical Fe <sub>3</sub> O <sub>4</sub> /Carbon Composite Anodes for Lithium-Ion Batteries: A High Additional Value Conversion-Based Self-Assembly Strategy. <i>Energy &amp; Fuels</i> , 2022, 36, 5027-5035.	5.1	2
23	Deciphering the dual function of silicon dioxide protective layer in regulating lithium ion deposition. <i>Materials Advances</i> , 0, , .	5.4	0