

# Zhihua Xiao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3251323/publications.pdf>

Version: 2024-02-01

25  
papers

597  
citations

623574

14  
h-index

610775

24  
g-index

25  
all docs

25  
docs citations

25  
times ranked

727  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced Electromagnetic Microwave Absorption Property of Peapod-like MnO@carbon Nanowires. ACS Applied Materials & Interfaces, 2018, 10, 40078-40087.	4.0	126
2	Suitable thickness of carbon coating layers for silicon anode. Carbon, 2022, 186, 530-538.	5.4	57
3	S-doped mesoporous graphene microspheres: A high performance reservoir material for Li S batteries. Electrochimica Acta, 2018, 269, 83-92.	2.6	46
4	MnO@graphene nanopeapods derived via a one-pot hydrothermal process for a high performance anode in Li-ion batteries. Nanoscale, 2019, 11, 8270-8280.	2.8	38
5	S-doping coupled with pore-structure modulation to conducting carbon black: Toward high mass loading electrical double-layer capacitor. Carbon, 2019, 149, 646-654.	5.4	33
6	Production of S-doped porous graphene via post-treatment with MgSO <sub>4</sub> as sulphur source. Chemical Engineering Journal, 2019, 359, 801-809.	6.6	30
7	S-Doped Porous Graphene Microspheres with Individual Robust Red-Blood-Cell-Like Microarchitecture for Capacitive Energy Storage. Industrial & Engineering Chemistry Research, 2017, 56, 9524-9532.	1.8	27
8	MnO-encapsulated graphene cubes derived from homogeneous MnCO <sub>3</sub> -C cubes as high performance anode material for Li ion batteries. Carbon, 2018, 139, 750-758.	5.4	27
9	One-step construction of hierarchically porous carbon nanorods with extraordinary capacitive behavior. Carbon, 2020, 160, 176-187.	5.4	27
10	Hydrothermal assembly of MnO-graphene core-shell nanowires with superior anode performance. Carbon, 2019, 142, 461-467.	5.4	24
11	Efficient conducting networks constructed from ultra-low concentration carbon nanotube suspension for Li ion battery cathodes. Carbon, 2018, 132, 323-328.	5.4	22
12	Multilayered graphene endowing superior dispersibility for excellent low temperature performance in lithium-ion capacitor as both anode and cathode. Chemical Engineering Journal, 2022, 429, 132358.	6.6	20
13	Enhancing capacitive storage of carbonaceous anode by surface doping and structural modulation for high-performance sodium-ion battery. Powder Technology, 2021, 382, 541-549.	2.1	17
14	Water-soluble salt-templated strategy to regulate mesoporous nanosheets-on-network structure with active mixed-phase CoO/Co <sub>3</sub> O <sub>4</sub> nanosheets on graphene for superior lithium storage. Journal of Alloys and Compounds, 2021, 857, 157626.	2.8	15
15	The orientation construction of S and N dual-doped discoid-like graphene with high-rate electrode property. Applied Surface Science, 2018, 442, 467-475.	3.1	14
16	N-Doped Mesoporous Graphene with Superior Capacitive Behaviors Derived from Chemical Vapor Deposition Methodology in the Fluidized Bed Reactor. Industrial & Engineering Chemistry Research, 2018, 57, 16327-16334.	1.8	11
17	Superior capacitive behaviors of the micron-sized porous graphene belts with high ratio of length to diameter. Carbon, 2018, 140, 314-323.	5.4	11
18	Sponge-like graphene cubes: S reservoir with large polysulfide diffusion resistance for lithium-sulfur batteries. Carbon, 2019, 155, 100-107.	5.4	11

#	ARTICLE	IF	CITATIONS
19	S-doped graphene nano-capsules toward excellent low-temperature performance in Li-ion capacitors. <i>Journal of Power Sources</i> , 2022, 535, 231404.	4.0	9
20	S, N-codoped carbon capsules with microsized entrance: Highly stable S reservoir for Li-S batteries. <i>Advanced Powder Technology</i> , 2021, 32, 1757-1765.	2.0	8
21	High Capacitive Energy Storage of Nest-Like Porous Graphene Microspheres Electrode with High Mass Loading. <i>ChemSusChem</i> , 2019, 12, 4249-4256.	3.6	7
22	High energy and power lithium-ion capacitor based on MnO-encased graphene spheres anode and hollow carbon nano-rods cathode. <i>Chemical Engineering Science</i> , 2021, 245, 116968.	1.9	6
23	Binder-Assisted Dispersion of Agglomerated Carbon Nanotubes for Efficiently Establishing Conductive Networks in Cathodes of Li-ion Batteries. <i>Energy Technology</i> , 2020, 8, 2000589.	1.8	5
24	The cyclic regeneration of templates during the preparation of mesoporous graphene fibers with excellent capacitive behavior in the fluidized-bed chemical vapor deposition process. <i>Chemical Engineering Science</i> , 2020, 221, 115657.	1.9	3
25	Green and universal sulfur doping technique coupled with construction of conductive network for enhanced kinetics of Li-ion capacitors. <i>Chemical Engineering Science</i> , 2022, 258, 117749.	1.9	3