

# Jing Zheng

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

4,104  
citations

304602

22  
h-index

434063

31  
g-index

31  
all docs

31  
docs citations

31  
times ranked

4511  
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-flammable electrolyte enables Li-metal batteries with aggressive cathode chemistries. <i>Nature Nanotechnology</i> , 2018, 13, 715-722.	15.6	964
2	Highly Fluorinated Interphases Enable High-Voltage Li-Metal Batteries. <i>CheM</i> , 2018, 4, 174-185.	5.8	682
3	Extremely stable antimony-carbon composite anodes for potassium-ion batteries. <i>Energy and Environmental Science</i> , 2019, 12, 615-623.	15.6	358
4	Highly Fluorinated Electrolytes for Li-S Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1803774.	10.2	227
5	Environment-Stable CoxNiy Encapsulation in Stacked Porous Carbon Nanosheets for Enhanced Microwave Absorption. <i>Nano-Micro Letters</i> , 2020, 12, 102.	14.4	218
6	Carbon fibers embedded with FeIII-MOF-5-derived composites for enhanced microwave absorption. <i>Carbon</i> , 2021, 174, 509-517.	5.4	177
7	An Organic Anode for High Temperature Potassium-Ion Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1802986.	10.2	151
8	Sustainable wood-based composites for microwave absorption and electromagnetic interference shielding. <i>Journal of Materials Chemistry A</i> , 2020, 8, 24267-24283.	5.2	145
9	Manipulating electrolyte and solid electrolyte interphase to enable safe and efficient Li-S batteries. <i>Nano Energy</i> , 2018, 50, 431-440.	8.2	134
10	Heterostructure design of Fe3N alloy/porous carbon nanosheet composites for efficient microwave attenuation. <i>Journal of Materials Science and Technology</i> , 2021, 67, 265-272.	5.6	134
11	A Novel Strategy in Electromagnetic Wave Absorbing and Shielding Materials Design: Multi-Responsive Field Effect. <i>Small Science</i> , 2022, 2, 2100077.	5.8	126
12	Enhanced microwave electromagnetic properties of Fe3O4/graphene nanosheet composites. <i>Journal of Alloys and Compounds</i> , 2014, 589, 174-181.	2.8	123
13	Optimal Configuration of N-Doped Carbon Defects in 2D Turbostratic Carbon Nanomesh for Advanced Oxygen Reduction Electrocatalysis. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11999-12006.	7.2	121
14	Enhanced Microwave Absorbing Ability of Carbon Fibers with Embedded FeCo/CoFe <sub>2</sub> O <sub>4</sub> Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 36182-36189.	4.0	99
15	Hydrogenated Anatase TiO <sub>2</sub> as Lithium-Ion Battery Anode: Size-Reactivity Correlation. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 20074-20081.	4.0	61
16	Hydrogenated Oxygen-Deficient Blue Anatase as Anode for High-Performance Lithium Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 23431-23438.	4.0	58
17	Carbon fibers@Co-ZIFs derivations composites as highly efficient electromagnetic wave absorbers. <i>Journal of Materials Science and Technology</i> , 2021, 94, 239-246.	5.6	45
18	Reduction synthesis of FexOy@SiO2 core-shell nanostructure with enhanced microwave-absorption properties. <i>Journal of Alloys and Compounds</i> , 2014, 602, 8-15.	2.8	43

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19	Facile Aluminum Reduction Synthesis of Blue TiO <sub>2</sub> with Oxygen Deficiency for Lithium-Ion Batteries. Chemistry - A European Journal, 2015, 21, 18309-18315.	1.7	32
20	Excellent lightweight carbon-based microwave absorbers derived from metal-organic frameworks with tunable electromagnetic properties. Inorganic Chemistry Frontiers, 2020, 7, 1667-1675.	3.0	28
21	The origin of the two-plateaued or one-plateaued open circuit voltage in Li-S batteries. Nano Energy, 2020, 75, 104915.	8.2	28
22	Modulating dielectric loss of mesoporous carbon fibers with radar cross section reduction performance via computer simulation technology. Inorganic Chemistry Frontiers, 2021, 8, 758-765.	3.0	27
23	Atomic-Scale Dispersed Fe-Based Catalysts Confined on Nitrogen-Doped Graphene for Li-S Batteries: Polysulfides with Enhanced Conversion Efficiency. Chemistry - A European Journal, 2020, 26, 10314-10320.	1.7	24
24	Optimal Configuration of N-Doped Carbon Defects in 2D Turbostratic Carbon Nanomesh for Advanced Oxygen Reduction Electrocatalysis. Angewandte Chemie, 2020, 132, 12097-12104.	1.6	21
25	Photocatalytic conversion of CO <sub>2</sub> into value-added hydrocarbon (methanol) with high selectivity over ZnS nanoparticles driven by 355-nm pulsed laser. Research on Chemical Intermediates, 2015, 41, 739-747.	1.3	18
26	Balance of N-Doping Engineering and Carbon Chemistry to Expose Edge Graphitic N Sites for Enhanced Oxygen Reduction Electrocatalysis. ACS Applied Materials & Interfaces, 2021, 13, 61129-61138.	4.0	14
27	The enhanced microwave broadband absorbing ability of carbon microspheres via electromagnetic simulating honeycomb design. Journal of Materials Science: Materials in Electronics, 2021, 32, 25809-25819.	1.1	8
28	Enhanced microwave absorption properties of flake-shaped FeCo/BaFe <sub>12</sub> O <sub>19</sub> composites. Ceramics International, 2021, 47, 12389-12396.	2.3	8
29	Edge reconfiguration of N, P-codoped carbon boosts oxygen reduction electrocatalysis. Journal of Materials Science, 2021, 56, 19577-19588.	1.7	6
30	In-situ activation/dedoping induced defective carbon sponge for enhanced oxygen reduction electrocatalysis. ChemElectroChem, 2021, 8, 4781.	1.7	2