

# Wei Zhang

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

21  
papers

1,035  
citations

14  
h-index

22  
g-index

22  
ext. papers

1,384  
ext. citations

12.9  
avg, IF

4.69  
L-index

#	Paper	IF	Citations
21	Simply Formulated Dry Pressure-Sensitive Adhesives for Substrate-Independent Underwater Adhesion <b>2022</b> , 4, 410-417		3
20	Solution-processable Li <sub>10</sub> GeP <sub>2</sub> S <sub>12</sub> solid electrolyte for a composite electrode in all-solid-state lithium batteries. <i>Sustainable Energy and Fuels</i> , <b>2021</b> , 5, 1211-1221	5.8	5
19	Hydrogel networks as underwater contact adhesives for different surfaces. <i>Materials Horizons</i> , <b>2020</b> , 7, 2063-2070	14.4	48
18	Rapid solidification of Portland cement/polyacrylamide hydrogel (PC/PAM) composites for diverse wastewater treatments.. <i>RSC Advances</i> , <b>2020</b> , 10, 18936-18944	3.7	3
17	A multidimensional nanostructural design towards electrochemically stable and mechanically strong hydrogel electrodes. <i>Nanoscale</i> , <b>2020</b> , 12, 6637-6643	7.7	22
16	Catechol-functionalized hydrogels: biomimetic design, adhesion mechanism, and biomedical applications. <i>Chemical Society Reviews</i> , <b>2020</b> , 49, 433-464	58.5	235
15	Amino-functionalized MOF derived porous Fe <sub>3</sub> O <sub>4</sub> /N-doped C encapsulated within a graphene network by self-assembling for enhanced Li-ion storage. <i>Sustainable Energy and Fuels</i> , <b>2020</b> , 4, 3519-3527	5.8	6
14	Designing composite solid-state electrolytes for high performance lithium ion or lithium metal batteries. <i>Chemical Science</i> , <b>2020</b> , 11, 8686-8707	9.4	36
13	TiCT nanosheet wrapped core-shell MnO nanorods @ hollow porous carbon as a multifunctional polysulfide mediator for improved Li-S batteries. <i>Nanoscale</i> , <b>2020</b> , 12, 24196-24205	7.7	9
12	Boosting sodium storage properties of titanium dioxide by a multiscale design based on MOF-derived strategy. <i>Energy Storage Materials</i> , <b>2019</b> , 17, 126-135	19.4	43
11	Electrically conductive hydrogels for flexible energy storage systems. <i>Progress in Polymer Science</i> , <b>2019</b> , 88, 220-240	29.6	154
10	Self-Assembled 3D MnO <sub>2</sub> [email protected]3C <sub>2</sub> Aerogel as Sulfur Host for Lithium-Sulfur Battery Cathodes. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 705-714	6.1	44
9	Toward advanced sodium-ion batteries: a wheel-inspired yolk-shell design for large-volume-change anode materials. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 13153-13163	13	24
8	SnO <sub>2</sub> nanorods encapsulated within a 3D interconnected graphene network architecture as high-performance lithium-ion battery anodes. <i>Sustainable Energy and Fuels</i> , <b>2018</b> , 2, 262-270	5.8	11
7	A highly elastic and flexible solid-state polymer electrolyte based on ionic liquid-decorated PMMA nanoparticles for lithium batteries. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 13096-13103	3.6	16
6	Ultra-thin Solid-State Li-Ion Electrolyte Membrane Facilitated by a Self-Healing Polymer Matrix. <i>Advanced Materials</i> , <b>2015</b> , 27, 6922-7	24	128
5	Morphologically Controlled Bioinspired Dopamine-Polypyrrole Nanostructures with Tunable Electrical Properties. <i>Advanced Electronic Materials</i> , <b>2015</b> , 1, 1500205	6.4	40

4	A Facile In Situ Approach to Polypyrrole Functionalization Through Bioinspired Catechols. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 1588-1597	15.6	73
3	Poly(AAc-co-MBA) hydrogel films: adhesive and mechanical properties in aqueous medium. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 441-9	3-4	45
2	Surface and tribological behaviors of the bioinspired polydopamine thin films under dry and wet conditions. <i>Biomacromolecules</i> , <b>2013</b> , 14, 394-405	6.9	80
1	Thermochromic Hydrogels with Dynamic Solar Modulation and Regulatable Critical Response Temperature for Energy-Saving Smart Windows. <i>Advanced Functional Materials</i> , 2109597	15.6	10