

Wei Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,812
citations

586496

16
h-index

799663

21
g-index

22
all docs

22
docs citations

22
times ranked

2982
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermochromic Hydrogels with Dynamic Solar Modulation and Regulatable Critical Response Temperature for Energy-Saving Smart Windows. <i>Advanced Functional Materials</i> , 2022, 32, 2109597.	7.8	61
2	Imparting conformational memory for material adhesion. <i>Materials Horizons</i> , 2022, 9, 675-687.	6.4	1
3	Simply Formulated Dry Pressure-Sensitive Adhesives for Substrate-Independent Underwater Adhesion. , 2022, 4, 410-417.		24
4	Solution-processable $\text{Li}_{10}\text{GeP}_2\text{S}_{12}$ solid electrolyte for a composite electrode in all-solid-state lithium batteries. <i>Sustainable Energy and Fuels</i> , 2021, 5, 1211-1221.	2.5	13
5	Designing composite solid-state electrolytes for high performance lithium ion or lithium metal batteries. <i>Chemical Science</i> , 2020, 11, 8686-8707.	3.7	82
6	$\text{Ti}_3\text{C}_2\text{T}_x$ nanosheet wrapped core-shell MnO_2 nanorods @ hollow porous carbon as a multifunctional polysulfide mediator for improved Li-S batteries. <i>Nanoscale</i> , 2020, 12, 24196-24205.	2.8	17
7	Hydrogel networks as underwater contact adhesives for different surfaces. <i>Materials Horizons</i> , 2020, 7, 2063-2070.	6.4	88
8	Rapid solidification of Portland cement/polyacrylamide hydrogel (PC/PAM) composites for diverse wastewater treatments. <i>RSC Advances</i> , 2020, 10, 18936-18944.	1.7	5
9	A multidimensional nanostructural design towards electrochemically stable and mechanically strong hydrogel electrodes. <i>Nanoscale</i> , 2020, 12, 6637-6643.	2.8	49
10	Catechol-functionalized hydrogels: biomimetic design, adhesion mechanism, and biomedical applications. <i>Chemical Society Reviews</i> , 2020, 49, 433-464.	18.7	517
11	Amino-functionalized MOF derived porous $\text{Fe}_3\text{O}_4/\text{N}$ -doped C encapsulated within a graphene network by self-assembling for enhanced Li-ion storage. <i>Sustainable Energy and Fuels</i> , 2020, 4, 3519-3527.	2.5	12
12	Boosting sodium storage properties of titanium dioxide by a multiscale design based on MOF-derived strategy. <i>Energy Storage Materials</i> , 2019, 17, 126-135.	9.5	68
13	Electrically conductive hydrogels for flexible energy storage systems. <i>Progress in Polymer Science</i> , 2019, 88, 220-240.	11.8	260
14	Self-Assembled 3D MnO_2 Nanosheets@Delaminated- Ti_3C_2 Aerogel as Sulfur Host for Lithium-Sulfur Battery Cathodes. <i>ACS Applied Energy Materials</i> , 2019, 2, 705-714.	2.5	65
15	SnO_2 nanorods encapsulated within a 3D interconnected graphene network architecture as high-performance lithium-ion battery anodes. <i>Sustainable Energy and Fuels</i> , 2018, 2, 262-270.	2.5	12
16	Toward advanced sodium-ion batteries: a wheel-inspired yolk-shell design for large-volume-change anode materials. <i>Journal of Materials Chemistry A</i> , 2018, 6, 13153-13163.	5.2	30
17	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> , 2017, 41, 13096-13103.	1.4	23
18	Ultra-Thin Solid-State Li-Ion Electrolyte Membrane Facilitated by a Self-Healing Polymer Matrix. <i>Advanced Materials</i> , 2015, 27, 6922-6927.	11.1	182

#	ARTICLE	IF	CITATIONS
19	Morphologically Controlled Bioinspired Dopamine-Polypyrrole Nanostructures with Tunable Electrical Properties. <i>Advanced Electronic Materials</i> , 2015, 1, 1500205.	2.6	48
20	A Facile In Situ Approach to Polypyrrole Functionalization Through Bioinspired Catechols. <i>Advanced Functional Materials</i> , 2015, 25, 1588-1597.	7.8	103
21	Poly(AAc-co-MBA) Hydrogel Films: Adhesive and Mechanical Properties in Aqueous Medium. <i>Journal of Physical Chemistry B</i> , 2013, 117, 441-449.	1.2	56
22	Surface and Tribological Behaviors of the Bioinspired Polydopamine Thin Films under Dry and Wet Conditions. <i>Biomacromolecules</i> , 2013, 14, 394-405.	2.6	96