

Zhichang Xiao

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

760
citations

623734

14
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

1376
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Performance Silicon Battery Anodes Enabled by Engineering Graphene Assemblies. <i>Nano Letters</i> , 2015, 15, 6222-6228.	9.1	173
2	N,P co-doped hollow carbon nanofiber membranes with superior mass transfer property for trifunctional metal-free electrocatalysis. <i>Nano Energy</i> , 2019, 64, 103879.	16.0	110
3	New insight to the role of edges and heteroatoms in nanocarbons for oxygen reduction reaction. <i>Nano Energy</i> , 2019, 66, 104096.	16.0	79
4	Rational Design of Carbon-Rich Materials for Energy Storage and Conversion. <i>Advanced Materials</i> , 2019, 31, e1804973.	21.0	74
5	Maximizing pore and heteroatom utilization within N,P-co-doped polypyrrole-derived carbon nanotubes for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2020, 8, 17558-17567.	10.3	64
6	A facile Schiff base chemical approach: towards molecular-scale engineering of N-C interface for high performance lithium-sulfur batteries. <i>Nano Energy</i> , 2018, 46, 365-371.	16.0	32
7	Nitrogen-Enriched Carbon/CNT Composites Based on Schiff-Base Networks: Ultrahigh N Content and Enhanced Lithium Storage Properties. <i>Small</i> , 2018, 14, e1703569.	10.0	31
8	WS2 nanoplates embedded in graphitic carbon nanotubes with excellent electrochemical performance for lithium and sodium storage. <i>Science China Materials</i> , 2018, 61, 671-678.	6.3	29
9	Band Structure Engineering of Schiff-Base Microporous Organic Polymers for Enhanced Visible-Light Photocatalytic Performance. <i>Small</i> , 2019, 15, e1900244.	10.0	28
10	Sp ² -carbon dominant carbonaceous materials for energy conversion and storage. <i>Materials Science and Engineering Reports</i> , 2019, 137, 1-37.	31.8	25
11	Ionothermal strategy towards template-free hierarchical porous carbons for supercapacitive energy storage. <i>Carbon</i> , 2019, 143, 487-493.	10.3	24
12	Construction of imine-linked covalent organic framework as advanced adsorbent for the sensitive determination of chlorophenols. <i>Journal of Chromatography A</i> , 2021, 1658, 462610.	3.7	21
13	Structure controllable carbon matrix derived from benzene-constructed porous organic polymers for high-performance Li-S batteries. <i>Carbon</i> , 2017, 116, 633-639.	10.3	16
14	A facile and processable integration strategy towards Schiff-base polymer-derived carbonaceous materials with high lithium storage performance. <i>Nanoscale</i> , 2018, 10, 10351-10356.	5.6	15
15	Rational integration of porous organic polymer and multiwall carbon nanotube for the microextraction of polycyclic aromatic hydrocarbons. <i>Mikrochimica Acta</i> , 2020, 187, 284.	5.0	13
16	Chemical tailoring of one-dimensional polypyrrene nanocapsules at a molecular level: towards ideal sulfur hosts for high-performance Li-S batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 2009-2014.	10.3	10
17	Covalently encapsulating sulfur chains into carbon-rich nanomaterials towards high-capacity and high-rate sodium-ion storage. <i>Journal of Materials Chemistry A</i> , 2021, 9, 24460-24471.	10.3	6
18	A template oriented one-dimensional Schiff-base polymer: towards flexible nitrogen-enriched carbonaceous electrodes with ultrahigh electrochemical capacity. <i>Nanoscale</i> , 2021, 13, 19210-19217.	5.6	6

#	ARTICLE	IF	CITATIONS
19	Unzipping MWCNTs for controlled edge- and heteroatom-defects in revealing their roles in gas-phase oxidative dehydrogenation of ethanol to acetaldehyde. <i>Chemical Engineering Journal</i> , 2022, 446, 137150.	12.7	2
20	Electrifying Schiff-based networks as model catalysts towards deeply understanding the crucial role of sp ² -carbon in nitrogen-doped carbocatalyst for oxygen reduction reaction. <i>Applied Surface Science</i> , 2022, 599, 153961.	6.1	2