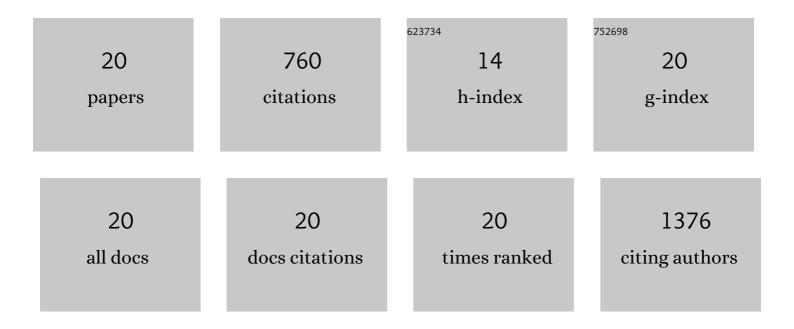
Zhichang Xiao

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	High-Performance Silicon Battery Anodes Enabled by Engineering Graphene Assemblies. Nano Letters, 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. Nano Energy, 2019, 64, 103879.	16.0	110
3	New insight to the role of edges and heteroatoms in nanocarbons for oxygen reduction reaction. Nano Energy, 2019, 66, 104096.	16.0	79
4	Rational Design of Carbonâ€Rich Materials for Energy Storage and Conversion. Advanced Materials, 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. Journal of Materials Chemistry A, 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. Nano Energy, 2018, 46, 365-371.	16.0	32
7	Nitrogenâ€Enriched Carbon/CNT Composites Based on Schiffâ€Base Networks: Ultrahigh N Content and Enhanced Lithium Storage Properties. Small, 2018, 14, e1703569.	10.0	31
8	WS2 nanoplates embedded in graphitic carbon nanotubes with excellent electrochemical performance for lithium and sodium storage. Science China Materials, 2018, 61, 671-678.	6.3	29
9	Band Structure Engineering of Schiffâ€Base Microporous Organic Polymers for Enhanced Visibleâ€Light Photocatalytic Performance. Small, 2019, 15, e1900244.	10.0	28
10	Sp2-carbon dominant carbonaceous materials for energy conversion and storage. Materials Science and Engineering Reports, 2019, 137, 1-37.	31.8	25
11	lonothermal strategy towards template-free hierarchical porous carbons for supercapacitive energy storage. Carbon, 2019, 143, 487-493.	10.3	24
12	Construction of imine-linked covalent organic framework as advanced adsorbent for the sensitive determination of chlorophenols. Journal of Chromatography A, 2021, 1658, 462610.	3.7	21
13	Structure controllable carbon matrix derived from benzene-constructed porous organic polymers for high-performance Li-S batteries. Carbon, 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. Nanoscale, 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. Mikrochimica Acta, 2020, 187, 284.	5.0	13
16	Chemical tailoring of one-dimensional polypyrene nanocapsules at a molecular level: towards ideal sulfur hosts for high-performance Li–S batteries. Journal of Materials Chemistry A, 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. Journal of Materials Chemistry A, 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. Nanoscale, 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. Chemical Engineering Journal, 2022, 446, 137150.	12.7	2
20	Electrifying Schiff-based networks as model catalysts towards deeply understanding the crucial role of sp2-carbon in nitrogen-doped carbocatalyst for oxygen reduction reaction. Applied Surface Science, 2022, 599, 153961.	6.1	2