

# Xiaojun He

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

3,464  
citations

159585

30  
h-index

197818

49  
g-index

51  
all docs

51  
docs citations

51  
times ranked

3596  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interconnected carbon nanocapsules with high N/S co-doping as stable and high-capacity potassium-ion battery anode. <i>Journal of Energy Chemistry</i> , 2022, 66, 195-204.	12.9	58
2	Interconnected N/P co-doped carbon nanocage as high capacitance electrode material for energy storage devices. <i>Nano Research</i> , 2022, 15, 4068-4075.	10.4	43
3	Synthesis, modification strategies and applications of coal-based carbon materials. <i>Fuel Processing Technology</i> , 2022, 230, 107203.	7.2	35
4	Synthesis of N/P co-doped monolithic hierarchical porous carbon for zinc-ion hybrid capacitors with boosted energy density in ZnSO <sub>4</sub> /ZnI <sub>2</sub> redox electrolyte. <i>Journal of Power Sources</i> , 2022, 542, 231743.	7.8	19
5	N, P co-doped hierarchical porous carbon from rapeseed cake with enhanced supercapacitance. <i>Renewable Energy</i> , 2021, 170, 188-196.	8.9	91
6	A Self-Healable Polyelectrolyte Binder for Highly Stabilized Sulfur, Silicon, and Silicon Oxides Electrodes. <i>Advanced Functional Materials</i> , 2021, 31, 2104433.	14.9	41
7	Converting CO <sub>2</sub> into an Oxygenated Alkynyl Carbon Material with High Electrochemical Performance through a Mechanochemical Reaction with CaC <sub>2</sub> . <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 9221-9229.	6.7	16
8	Foam-like porous carbons with ultrahigh surface area from petroleum pitch and their supercapacitive performance. <i>Chemical Physics Letters</i> , 2021, 783, 139058.	2.6	2
9	Monolithic carbon nanosheets with rich pores for high-capacitance supercapacitor. <i>Journal of Porous Materials</i> , 2020, 27, 487-494.	2.6	6
10	Moss-Covered Rock-like Hybrid Porous Carbons with Enhanced Electrochemical Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 3065-3071.	6.7	44
11	3D hierarchical carbons composed of cross-linked porous carbon nanosheets for supercapacitors. <i>Journal of Power Sources</i> , 2020, 474, 228698.	7.8	23
12	Emerging Metal Single Atoms in Electrocatalysts and Batteries. <i>Advanced Functional Materials</i> , 2020, 30, 2003870.	14.9	38
13	Architecture and Electrochemical Performance of Alkynyl-Linked Naphthyl Carbon Skeleton: Naphyne. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 33076-33082.	8.0	20
14	3D N,O-Codoped Egg-Box-Like Carbons with Tuned Channels for High Areal Capacitance Supercapacitors. <i>Nano-Micro Letters</i> , 2020, 12, 82.	27.0	78
15	Efficient synthesis of alkynyl carbon materials derived from CaC <sub>2</sub> through solvent-free mechanochemical strategy for supercapacitors. <i>SN Applied Sciences</i> , 2019, 1, 1.	2.9	8
16	Crumpled carbon nanonets derived from anthracene oil for high energy density supercapacitor. <i>Journal of Power Sources</i> , 2019, 428, 8-12.	7.8	43
17	From fluorene molecules to ultrathin carbon nanonets with an enhanced charge transfer capability for supercapacitors. <i>Nanoscale</i> , 2019, 11, 6610-6619.	5.6	24
18	Synthesis and Zn(II) modification of hierarchical porous carbon materials from petroleum pitch for effective adsorption of organic dyes. <i>Chemosphere</i> , 2019, 216, 379-386.	8.2	32

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19	Interconnected sheet-like porous carbons from coal tar by a confined soft-template strategy for supercapacitors. <i>Chemical Engineering Journal</i> , 2018, 350, 49-56.	12.7	107
20	Wrinkled porous carbon nanosheets from methylnaphthalene oil for high-performance supercapacitors. <i>Fuel Processing Technology</i> , 2018, 175, 10-16.	7.2	35
21	Direct synthesis of interconnected porous carbon nanosheet/nickel foam composite for high-performance supercapacitors by microwave-assisted heating. <i>Journal of Porous Materials</i> , 2018, 25, 923-933.	2.6	17
22	Surface modification of biomass-derived hard carbon by grafting porous carbon nanosheets for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 15954-15960.	10.3	216
23	Honeycomb-like porous carbons synthesized by a soft template strategy for supercapacitors. <i>Materials Letters</i> , 2017, 195, 31-33.	2.6	33
24	Porous carbon nanosheets from coal tar for high-performance supercapacitors. <i>Journal of Power Sources</i> , 2017, 357, 41-46.	7.8	150
25	Synthesis of layered microporous carbons from coal tar by directing, space-confinement and self-sacrificed template strategy for supercapacitors. <i>Electrochimica Acta</i> , 2017, 246, 634-642.	5.2	52
26	From diverse polycyclic aromatic molecules to interconnected graphene nanocapsules for supercapacitors. <i>Microporous and Mesoporous Materials</i> , 2017, 245, 73-81.	4.4	12
27	Synthesis of hollow porous carbon nanospheres from coal tar for adsorption of Direct Black 38 dye. <i>Journal of Porous Materials</i> , 2017, 24, 1289-1293.	2.6	12
28	One-step synthesis of mesoporous carbons from mixed resources by microwave-assisted phosphoric acid activation for supercapacitors. <i>Materials Technology</i> , 2017, 32, 701-705.	3.0	5
29	Ultrathin Nitrogen-Enriched Hybrid Carbon Nanosheets for Supercapacitors with Ultrahigh Rate Performance and High Energy Density. <i>ChemElectroChem</i> , 2017, 4, 369-375.	3.4	32
30	ZnO template strategy for the synthesis of 3D interconnected graphene nanocapsules from coal tar pitch as supercapacitor electrode materials. <i>Journal of Power Sources</i> , 2017, 340, 183-191.	7.8	212
31	A layered-template-nanospace-confinement strategy for production of corrugated graphene nanosheets from petroleum pitch for supercapacitors. <i>Chemical Engineering Journal</i> , 2016, 297, 121-127.	12.7	168
32	Synthesis of microporous carbon/graphene composites for high-performance supercapacitors. <i>Diamond and Related Materials</i> , 2016, 66, 119-125.	3.9	24
33	Shell-like hierarchical porous carbons for high-rate performance supercapacitors. <i>Microporous and Mesoporous Materials</i> , 2016, 236, 134-140.	4.4	50
34	Electrocatalytic performances of g-C <sub>3</sub> N <sub>4</sub> -LaNiO <sub>3</sub> composite as bi-functional catalysts for lithium-oxygen batteries. <i>Scientific Reports</i> , 2016, 6, 24314.	3.3	56
35	A novel hydrothermal method to convert incineration ash into pollucite for the immobilization of a simulant radioactive cesium. <i>Journal of Hazardous Materials</i> , 2016, 306, 220-229.	12.4	66
36	Synthesis of Mesoporous Carbons from Rice Husk for Supercapacitors with High Energy Density in Ionic Liquid Electrolytes. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 2841-2846.	0.9	6

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37	3D interconnected porous carbons from MOF-5 for supercapacitors. <i>Materials Letters</i> , 2016, 172, 81-84.	2.6	53
38	Removal of organic sulfur compounds from diesel by adsorption on carbon materials. <i>Reviews in Chemical Engineering</i> , 2015, 31, .	4.4	34
39	LiNi <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> coated by Al <sub>2</sub> O <sub>3</sub> from urea homogeneous precipitation method: improved Li storage performance and mechanism exploring. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 1523-1533.	2.5	21
40	Interconnected mesoporous carbon sheet for supercapacitors from low-cost resources. <i>Materials Letters</i> , 2015, 158, 237-240.	2.6	18
41	Synthesis of starch-derived mesoporous carbon for electric double layer capacitor. <i>Chemical Engineering Journal</i> , 2014, 245, 166-172.	12.7	99
42	Direct synthesis of 3D hollow porous graphene balls from coal tar pitch for high performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014, 2, 19633-19640.	10.3	169
43	Efficient preparation of biomass-based mesoporous carbons for supercapacitors with both high energy density and high power density. <i>Journal of Power Sources</i> , 2013, 240, 109-113.	7.8	329
44	Facile preparation of mesoporous carbons for supercapacitors by one-step microwave-assisted ZnCl <sub>2</sub> activation. <i>Materials Letters</i> , 2013, 94, 158-160.	2.6	43
45	Rice husk-derived porous carbons with high capacitance by ZnCl <sub>2</sub> activation for supercapacitors. <i>Electrochimica Acta</i> , 2013, 105, 635-641.	5.2	254
46	Synthesis of hierarchical porous carbons for supercapacitors from coal tar pitch with nano-Fe <sub>2</sub> O <sub>3</sub> as template and activation agent coupled with KOH activation. <i>Journal of Materials Chemistry A</i> , 2013, 1, 9440.	10.3	162
47	Facile preparation of porous carbons from rice husk by microwave heating for supercapacitors. , 2013, , .		0
48	Synthesis of mesoporous carbons for supercapacitors from coal tar pitch by coupling microwave-assisted KOH activation with a MgO template. <i>Carbon</i> , 2012, 50, 4911-4921.	10.3	256
49	Effect of activation time on the properties of activated carbons prepared by microwave-assisted activation for electric double layer capacitors. <i>Carbon</i> , 2010, 48, 1662-1669.	10.3	126
50	Direct synthesis of porous carbon nanotubes and its performance as conducting material of supercapacitor electrode. <i>Diamond and Related Materials</i> , 2008, 17, 993-998.	3.9	26
51	Synthesis of N/P/S Co-doped 3D Cross-linked Carbon Nanosheets by Double Activation Method for High-performance Supercapacitors. <i>ChemElectroChem</i> , 0, , .	3.4	0