

# Xiao Xie

## List of Publications by Year in descending order

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28  
papers

2,646  
citations

623188

14  
h-index

713013

21  
g-index

29  
all docs

29  
docs citations

29  
times ranked

4185  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spongy Graphene as a Highly Efficient and Recyclable Sorbent for Oils and Organic Solvents. <i>Advanced Functional Materials</i> , 2012, 22, 4421-4425.	7.8	925
2	Carbon Fiber Aerogel Made from Raw Cotton: A Novel, Efficient and Recyclable Sorbent for Oils and Organic Solvents. <i>Advanced Materials</i> , 2013, 25, 5916-5921.	11.1	600
3	Low Temperature Casting of Graphene with High Compressive Strength. <i>Advanced Materials</i> , 2012, 24, 5124-5129.	11.1	208
4	Graphene oxide as high-performance dielectric materials for capacitive pressure sensors. <i>Carbon</i> , 2017, 114, 209-216.	5.4	201
5	Large-range Control of the Microstructures and Properties of Three-dimensional Porous Graphene. <i>Scientific Reports</i> , 2013, 3, 2117.	1.6	160
6	Cicada slough-derived heteroatom incorporated porous carbon for supercapacitor: Ultra-high gravimetric capacitance. <i>Carbon</i> , 2019, 143, 309-317.	5.4	128
7	Highly enhanced performance of spongy graphene as an oil sorbent. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1652-1656.	5.2	116
8	Nitrogen-doped microporous carbon derived from a biomass waste-metasequoia cone for electrochemical capacitors. <i>Journal of Alloys and Compounds</i> , 2019, 794, 163-170.	2.8	49
9	Drastically Reduced Ion Mobility in a Nanopore Due to Enhanced Pairing and Collisions between Dehydrated Ions. <i>Journal of the American Chemical Society</i> , 2019, 141, 4264-4272.	6.6	46
10	Superhydrophobic graphene-coated sponge with microcavities for high efficiency oil-in-water emulsion separation. <i>Nanoscale</i> , 2020, 12, 17812-17820.	2.8	39
11	Ionic current modulation from DNA translocation through nanopores under high ionic strength and concentration gradients. <i>Nanoscale</i> , 2017, 9, 930-939.	2.8	32
12	Preparation of nitrogen-doped porous carbon via adsorption-doping for highly efficient energy storage. <i>Journal of Power Sources</i> , 2019, 433, 226712.	4.0	29
13	Heteroatom-doped porous carbon derived from low-cost precursors of egg juice and commercial polymeric adsorbent as superior material for high performance supercapacitor. <i>Journal of Electroanalytical Chemistry</i> , 2020, 863, 114057.	1.9	28
14	Adsorption-doping for preparing N-doped porous carbon for promising electrochemical capacitors-using peptone and polymer porous resin as precursors. <i>Journal of Energy Storage</i> , 2020, 28, 101297.	3.9	17
15	Deep eutectic solvent electrolysis for preparing water-soluble magnetic iron oxide nanoparticles. <i>Nanoscale</i> , 2021, 13, 19004-19011.	2.8	14
16	Investigation on the interaction length and access resistance of a nanopore with an atomic force microscopy. <i>Science China Technological Sciences</i> , 2017, 60, 552-560.	2.0	12
17	Fabrication of nanopores using electron beam. , 2013, , .		6
18	Gold nanorod translocation through a solid-state nanopore. <i>Science Bulletin</i> , 2014, 59, 598-605.	1.7	6

#	ARTICLE	IF	CITATIONS
19	A facile strategy for rapid preparation of graphene spongy balls. Scientific Reports, 2016, 6, 32746.	1.6	4
20	A review on silver-mediated DNA base pairs: methodology and application. Biomaterials Research, 2022, 26, 9.	3.2	4
21	Fabrication of graphene based electrothermal cantilever actuator. , 2013, , .		3
22	Integration of on-chip glass microfluidic system by a chemical foaming process (CFP). , 2012, , .		2
23	Low Temperature Casting of Graphene with High Compressive Strength (Adv. Mater. 37/2012). Advanced Materials, 2012, 24, 5123-5123.	11.1	2
24	The effect of out-of-plane strain on the electronic properties of zigzag graphene nanoribbons. , 2013, , .		1
25	Double layer nanopore fabricated by FIB and TEM. , 2017, , .		1
26	Low temperature casting of graphene into various 3-D shapes. , 2013, , .		0
27	Graphene as dry adhesive interacting with semiconductor substrates. , 2013, , .		0
28	Formation of graphene oxide/graphene membrane on solid-state substrates via Langmuir-Blodgett self-assembly. , 2016, , .		0