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	A review on silver-mediated DNA base pairs: methodology and application. Biomaterials Research, 2022, 26, 9.	3.2	4
2	Deep eutectic solvent electrolysis for preparing water-soluble magnetic iron oxide nanoparticles. Nanoscale, 2021, 13, 19004-19011.	2.8	14
3	Superhydrophobic graphene-coated sponge with microcavities for high efficiency oil-in-water emulsion separation. Nanoscale, 2020, 12, 17812-17820.	2.8	39
4	Heteroatom-doped porous carbon derived from low-cost precursors of egg juice and commercial polymeric adsorbent as superior material for high performance supercapacitor. Journal of Electroanalytical Chemistry, 2020, 863, 114057.	1.9	28
5	Adsorption-doping for preparing N-doped porous carbon for promising electrochemical capacitors-using peptone and polymer porous resin as precursors. Journal of Energy Storage, 2020, 28, 101297.	3.9	17
6	Preparation of nitrogen-doped porous carbon via adsorption-doping for highly efficient energy storage. Journal of Power Sources, 2019, 433, 226712.	4.0	29
7	Nitrogen-doped microporous carbon derived from a biomass waste-metasequoia cone for electrochemical capacitors. Journal of Alloys and Compounds, 2019, 794, 163-170.	2.8	49
8	Drastically Reduced Ion Mobility in a Nanopore Due to Enhanced Pairing and Collisions between Dehydrated Ions. Journal of the American Chemical Society, 2019, 141, 4264-4272.	6.6	46
9	Cicada slough-derived heteroatom incorporated porous carbon for supercapacitor: Ultra-high gravimetric capacitance. Carbon, 2019, 143, 309-317.	5.4	128
10	Graphene oxide as high-performance dielectric materials for capacitive pressure sensors. Carbon, 2017, 114, 209-216.	5.4	201
11	Ionic current modulation from DNA translocation through nanopores under high ionic strength and concentration gradients. Nanoscale, 2017, 9, 930-939.	2.8	32
12	Investigation on the interaction length and access resistance of a nanopore with an atomic force microscopy. Science China Technological Sciences, 2017, 60, 552-560.	2.0	12
13	Double layer nanopore fabricated by FIB and TEM. , 2017, , .		1
14	Formation of graphene oxide/graphene membrane on solid-state substrates via Langmuir-Blodgett self-assembly. , 2016, , .		0
15	A facile strategy for rapid preparation of graphene spongy balls. Scientific Reports, 2016, 6, 32746.	1.6	4
16	Highly enhanced performance of spongy graphene as an oil sorbent. Journal of Materials Chemistry A, 2014, 2, 1652-1656.	5.2	116
17	Gold nanorod translocation through a solid-state nanopore. Science Bulletin, 2014, 59, 598-605.	1.7	6
18	The effect of out-of-plane strain on the electronic properties of zigzag graphene nanoribbons. , 2013, , .		1

#	Article	IF	Citations
19	Fabrication of graphene based electrothermal cantilever actuator. , 2013, , .		3
20	Large-range Control of the Microstructures and Properties of Three-dimensional Porous Graphene. Scientific Reports, 2013, 3, 2117.	1.6	160
21	Carbon Fiber Aerogel Made from Raw Cotton: A Novel, Efficient and Recyclable Sorbent for Oils and Organic Solvents. Advanced Materials, 2013, 25, 5916-5921.	11.1	600
22	Low temperature casting of graphene into various 3-D shapes. , 2013, , .		0
23	Fabrication of nanopores using electron beam. , 2013, , .		6
24	Graphene as dry adhesive interacting with semiconductor substrates. , 2013, , .		0
25	Integration of on-chip glass microfluidic system by a chemical foaming process (CFP). , 2012, , .		2
26	Low Temperature Casting of Graphene with High Compressive Strength (Adv. Mater. 37/2012). Advanced Materials, 2012, 24, 5123-5123.	11.1	2
27	Spongy Graphene as a Highly Efficient and Recyclable Sorbent for Oils and Organic Solvents. Advanced Functional Materials, 2012, 22, 4421-4425.	7.8	925
28	Low Temperature Casting of Graphene with High Compressive Strength. Advanced Materials, 2012, 24, 5124-5129.	11.1	208