Xu Zhang

List of Publications by Year
in descending order

34 papers	1,150 citations	471509 17 h-index	395702 33 g-index
34 all docs	34 docs citations	34 times ranked	1384 citing authors

#	Article	IF	Citations
1	N/P-Codoped Thermally Reduced Graphene for High-Performance Supercapacitor Applications. Journal of Physical Chemistry C, 2013, 117, 14912-14919.	3.1	128
2	Starch Derived Porous Carbon Nanosheets for High-Performance Photovoltaic Capacitive Deionization. Environmental Science & Technology, 2017, 51, 9244-9251.	10.0	120
3	Facile Synthesis of Heterostructured MoS₂â€“MoO₃ Nanosheets with Active Electrocatalytic Sites for High-Performance Lithiumâ€“Sulfur Batteries. ACS Nano, 2021, 15, 20478-20488.	14.6	115
4	Nanosheet-assembled NiCo-LDH hollow spheres as high-performance electrodes for supercapacitors. Journal of Colloid and Interface Science, 2022, 606, 1120-1127.	9.4	111
5	MXenes induced formation of Ni-MOF microbelts for high-performance supercapacitors. Journal of Colloid and Interface Science, 2021, 592, 95-102.	9.4	76
6	Sulfonated Graphene as Cationâ€Selective Coating: A New Strategy for Highâ€Performance Membrane Capacitive Deionization. Advanced Materials Interfaces, 2015, 2, 1500372.	3.7	75
7	Cobalt induced growth of hollow MOF spheres for high performance supercapacitors. Materials Chemistry Frontiers, 2021, 5, 482-491.	5.9	60
8	Shape-controlled synthesis of Ni-based metal-organic frameworks with albizia flower-like spheres@nanosheets structure for high performance supercapacitors. Journal of Colloid and Interface Science, 2020, 575, 347-355.	9.4	51
9	Ultrathin 2D nitrogen-doped carbon nanosheets for high performance supercapacitors: insight into the effects of graphene oxides. Nanoscale, 2019, 11, 8588-8596.	5.6	49
10	Nitrogen-Doped Porous Carbon Networks with Active Feâ€“N_x Sites to Enhance Catalytic Conversion of Polysulfides in Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2019, 11, 31860-31868.	8.0	39
11	Microstructure regulation of pitch-based soft carbon anodes by iodine treatment towards high-performance potassium-ion batteries. Journal of Colloid and Interface Science, 2022, 615, 485-493.	9.4	24
12	A N,S-codoped hierarchical carbon Foam@Porous carbon composite as freestanding cathode for high-performance lithium-sulfur batteries. Journal of Alloys and Compounds, 2018, 768, 495-502.	5.5	23
13	A facile fabrication of 1D/2D nanohybrids composed of NiCo-hydroxide nanowires and reduced graphene oxide for high-performance asymmetric supercapacitors. Inorganic Chemistry Frontiers, 2020, 7, 204-211.	6.0	23
14	P-doped Co9S8 nanoparticles embedded on 3D spongy carbon-sheets as electrochemical catalyst for lithium-sulfur batteries. Chemical Engineering Journal, 2021, 426, 131798.	12.7	22
15	KOH-activated depleted fullerene soot for electrochemical double-layer capacitors. Journal of Applied Electrochemistry, 2014, 44, 309-316.	2.9	21
16	Metalâ€“organic framework assisted synthesis of nitrogen-doped hollow carbon materials for enhanced supercapacitor performance. New Journal of Chemistry, 2018, 42, 17389-17395.	2.8	20
17	Bond Energy Prediction of Curie Temperature of Lithium Niobate Crystals. Journal of Physical Chemistry B, 2007, 111, 2587-2590.	2.6	19
18	Design of Oxygenâ€doped Co₃S₄ Hollow Nanosheets by Suppressed Sulfurization for Supercapacitors. ChemElectroChem, 2021, 8, 3629-3636.	3.4	17

#	Article	IF	Citations
19	Oneâ€Dimensional Coâ€Carbonate Hydroxide@Niâ€MOFs Composite with Super Uniform Coreâ€“Shell Heterostructure for Ultrahigh Rate Performance Supercapacitor Electrode. Small, 2022, 18, e2200656.	10.0	17
20	Recyclable catalyst for catalytic hydrogenation of phenylacetylene by coupling Pd nanoparticles with highly compressible graphene aerogels. RSC Advances, 2014, 4, 59977-59980.	3.6	16
21	Chemically converting graphene oxide to graphene with organic base for Suzuki reaction. Materials Research Bulletin, 2015, 67, 77-82.	5.2	16
22	Palladium nanoparticles hosted in graphene-based 2-dimension polyelectrolyte brushes for enhanced hydrogenation selectivity of o-chloronitrobenzene. Applied Surface Science, 2019, 485, 230-237.	6.1	15
23	Activated nitrogen-doped carbons from polyvinyl chloride for high-performance electrochemical capacitors. Journal of Solid State Electrochemistry, 2014, 18, 49-58.	2.5	14
24	Graphene Oxide Induced Growth of Nitrogenâ€Doped Carbon Nanotubes as a 1D/2D Composite for Highâ€Performance Lithiumâ€Sulfur Batteries. ChemElectroChem, 2019, 6, 1115-1121.	3.4	13
25	Low-cost, large-scale, one-pot synthesis of C/Ni3(NO3)2(OH)4 composites for high performance supercapacitor. Materials Chemistry and Physics, 2018, 217, 291-299.	4.0	11
26	Graphene oxide template-directed synthesis of porous carbon nanosheets from expired wheat flour for high-performance supercapacitors. New Journal of Chemistry, 2018, 42, 11689-11696.	2.8	10
27	Green synthesis of functionalized graphene and their use as solid acid catalysts. Journal of Materials Research, 2018, 33, 3946-3952.	2.6	8
28	One-step salt-assisted solution combustion synthesis of Ni-based composites for use as supercapacitor electrodes. Journal of Alloys and Compounds, 2018, 765, 396-404.	5.5	8
29	High-Quality Inorganic Chemistry Teaching During COVID-19. Journal of Chemical Education, 2020, 97, 2945-2949.	2.3	7
30	Facile synthesis of 2D nitrogen-containing porous carbon nanosheets induced by graphene oxide for high-performance supercapacitors. Sustainable Energy and Fuels, 2018, 2, 2494-2501.	4.9	6
31	Surface functionalization of graphene oxide with DBU as electrode materials for supercapacitors. Materials Research Express, 2019, 6, 085606.	1.6	6
32	Silicaâ€Assisted Fabrication of Nâ€doped Porous Carbon for Efficient Electrocatalytic Nitrogen Fixation. ChemCatChem, 2020, 12, 3453-3458.	3.7	5
33	From 1D to 2D: dopamine constructed 2D NiCo-hydroxide nanosheets/graphene composites for high-performance supercapacitors. Sustainable Energy and Fuels, 2021, 5, 2373-2381.	4.9	5
34	Graphene: Sulfonated Graphene as Cationâ€Selective Coating: A New Strategy for Highâ€Performance Membrane Capacitive Deionization (Adv. Mater. Interfaces 16/2015). Advanced Materials Interfaces, 2015, 2, .	3.7	0