

Shiyou Guan

List of Publications by Year in descending order

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41
papers

5,597
citations

279798

23
h-index

289244

40
g-index

41
all docs

41
docs citations

41
times ranked

5378
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel Mesoporous Materials with a Uniform Distribution of Organic Groups and Inorganic Oxide in Their Frameworks. <i>Journal of the American Chemical Society</i> , 1999, 121, 9611-9614.	13.7	1,641
2	An ordered mesoporous organosilica hybrid material with a crystal-like wall structure. <i>Nature</i> , 2002, 416, 304-307.	27.8	1,305
3	Cubic Hybrid Organic-Inorganic Mesoporous Crystal with a Decaoctahedral Shape. <i>Journal of the American Chemical Society</i> , 2000, 122, 5660-5661.	13.7	372
4	Nitrogen-doped porous carbons through KOH activation with superior performance in supercapacitors. <i>Carbon</i> , 2014, 68, 185-194.	10.3	341
5	V ₂ O ₅ ·0.6H ₂ O nanoribbons as cathode material for asymmetric supercapacitor in K ₂ SO ₄ solution. <i>Electrochemistry Communications</i> , 2009, 11, 1325-1328.	4.7	275
6	Novel Templating Synthesis of Necklace-Shaped Mono- and Bimetallic Nanowires in Hybrid Organic-Inorganic Mesoporous Material. <i>Journal of the American Chemical Society</i> , 2001, 123, 3373-3374.	13.7	211
7	Graphene/Carbon-Coated Si Nanoparticle Hybrids as High-Performance Anode Materials for Li-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 3449-3455.	8.0	171
8	Boron and nitrogen co-doped porous carbon with a high concentration of boron and its superior capacitive behavior. <i>Carbon</i> , 2017, 113, 266-273.	10.3	147
9	Rich nitrogen-doped ordered mesoporous phenolic resin-based carbon for supercapacitors. <i>Electrochimica Acta</i> , 2014, 148, 187-194.	5.2	106
10	Adsorption and Thermogravimetric Characterization of Mesoporous Materials with Uniform Organic-Inorganic Frameworks. <i>Journal of Physical Chemistry B</i> , 2001, 105, 681-689.	2.6	99
11	Nitrogen-doped hierarchical porous carbon microsphere through KOH activation for supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2015, 452, 54-61.	9.4	87
12	2D graphitic-C ₃ N ₄ hybridized with 1D flux-grown Na-modified K ₂ Ti ₆ O ₁₃ nanobelts for enhanced simulated sunlight and visible-light photocatalytic performance. <i>Catalysis Science and Technology</i> , 2017, 7, 4064-4078.	4.1	86
13	Highly ordered mesoporous phenol-formaldehyde carbon as supercapacitor electrode material. <i>Journal of Power Sources</i> , 2013, 231, 197-202.	7.8	73
14	Effect of Fluoroethylene Carbonate Additive on Low Temperature Performance of Li-Ion Batteries. <i>Electrochemical and Solid-State Letters</i> , 2012, 15, A77.	2.2	66
15	Sol-gel process-derived rich nitrogen-doped porous carbon through KOH activation for supercapacitors. <i>Electrochimica Acta</i> , 2015, 158, 229-236.	5.2	64
16	Synthesis of microspherical polyaniline/graphene composites and their application in supercapacitors. <i>Electrochimica Acta</i> , 2016, 222, 12-19.	5.2	58
17	Synthesis of honeycomb MnO ₂ nanospheres/carbon nanoparticles/graphene composites as electrode materials for supercapacitors. <i>Applied Surface Science</i> , 2015, 357, 1024-1030.	6.1	57
18	Facile synthesis of novel Si nanoparticles-graphene composites as high-performance anode materials for Li-ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 11394.	2.8	54

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19	Molten salt assisted in-situ synthesis of TiO ₂ /g-C ₃ N ₄ composites with enhanced visible-light-driven photocatalytic activity and adsorption ability. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 362, 1-13.	3.9	51
20	A simple CaCO ₃ -assisted template carbonization method for producing nitrogen doped porous carbons as electrode materials for supercapacitors. <i>Electrochimica Acta</i> , 2016, 188, 757-766.	5.2	48
21	Sponge-like reduced graphene oxide/silicon/carbon nanotube composites for lithium ion batteries. <i>Applied Surface Science</i> , 2018, 436, 345-353.	6.1	45
22	Phenol-formaldehyde carbon with ordered/disordered bimodal mesoporous structure as high-performance electrode materials for supercapacitors. <i>Journal of Power Sources</i> , 2013, 241, 6-11.	7.8	26
23	A Novel High-Capacity Anode Material Derived from Aromatic Imides for Lithium-Ion Batteries. <i>Small</i> , 2018, 14, e1704094.	10.0	26
24	Hierarchical Activated Mesoporous Phenolic-Resin-Based Carbons for Supercapacitors. <i>Chemistry - an Asian Journal</i> , 2014, 9, 2789-2797.	3.3	22
25	Nitrogen-doped porous carbon materials derived from ionic liquids as electrode for supercapacitor. <i>Inorganic Chemistry Communication</i> , 2020, 115, 107856.	3.9	22
26	Solid polymer electrolytes based on the composite of PEO-LiFSI and organic ionic plastic crystal. <i>Chemical Physics Letters</i> , 2020, 747, 137335.	2.6	20
27	Facile synthesis of N/P co-doped carbons with tailored hierarchically porous structures for supercapacitor applications. <i>RSC Advances</i> , 2016, 6, 9772-9778.	3.6	19
28	Combining Organic Plastic Salts with a Bicontinuous Electrospun PVDF-HFP/Li ⁺ ₇ La ³⁺ ₃ Zr ²⁺ ₂ O ₁₂ Membrane: LiF-Rich Solid-Electrolyte Interphase Enabling Stable Solid-State Lithium Metal Batteries. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 18922-18934.	8.0	15
29	Synthesis and capacitive performance of two-dimensional sandwich-like graphene/nitrogen-doped carbon nanoparticle composites with tunable textural parameters and nitrogen content. <i>New Journal of Chemistry</i> , 2013, 37, 4148.	2.8	12
30	Construction of novel ZnTiO ₃ /g-C ₃ N ₄ heterostructures with enhanced visible light photocatalytic activity for dye wastewater treatment. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 6322-6334.	2.2	12
31	Organic ionic plastic crystal enhanced interface compatibility of PEO-based solid polymer electrolytes for lithium-metal batteries. <i>Solid State Ionics</i> , 2021, 373, 115806.	2.7	11
32	Synthesis of high-quality graphene with enhanced electrochemical properties by two-step reduction method. <i>Ceramics International</i> , 2019, 45, 23954-23965.	4.8	10
33	Homology and isomerism effect of aromatic imides as organic anode materials of lithium-ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2019, 848, 113289.	3.8	9
34	Alternative Layered-Structure SiCu Composite Anodes for High-Capacity Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2022, 5, 740-749.	5.1	9
35	Hierarchically porous carbon derived from an aqueous curable composition for supercapacitors. <i>Electrochimica Acta</i> , 2015, 168, 300-307.	5.2	7
36	Eco-friendly preparation of large-sized graphene via short-circuit discharge of lithium primary battery. <i>Journal of Colloid and Interface Science</i> , 2018, 512, 489-496.	9.4	7

#	ARTICLE	IF	CITATIONS
37	Nitrogen-Doped Carbon-Encapsulated Ordered Mesoporous SiO _x as Anode for High-Performance Lithium-Ion Batteries. Chemistry - an Asian Journal, 2022, 17, .	3.3	6
38	Constructing the Single-Phase Nanotubes with Uniform Dispersion of SiO _x and Carbon as Stable Anodes for Lithium-Ion Batteries. Chemistry - an Asian Journal, 2022, 17, e202200191.	3.3	5
39	Investigation on the Carbonyl Redox of Polyimide Based on Bridged Dianhydride as Electrode in Lithium-Ion Battery. Journal of the Electrochemical Society, 2020, 167, 110525.	2.9	1
40	Carbon Uniformly Distributed SiO _x /C Composite with Excellent Structure Stability for High Performance Lithium-Ion Batteries. Chemistry - an Asian Journal, 2022, , e202200202.	3.3	1
41	High-Quality N-Doped Graphene with Controllable Nitrogen Bonding Configurations Derived from Ionic Liquids. Chemistry - an Asian Journal, 0, , .	3.3	0