

Xiangfen Jiang

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

4,655
citations

186265

28
h-index

149698

56
g-index

60
all docs

60
docs citations

60
times ranked

7927
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-dimensional strutted graphene grown by substrate-free sugar blowing for high-power-density supercapacitors. <i>Nature Communications</i> , 2013, 4, 2905.	12.8	606
2	Highly Water-Soluble, Porous, and Biocompatible Boron Nitrides for Anticancer Drug Delivery. <i>ACS Nano</i> , 2014, 8, 6123-6130.	14.6	374
3	Spontaneous Weaving of Graphitic Carbon Networks Synthesized by Pyrolysis of ZIF-67 Crystals. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8435-8440.	13.8	362
4	Engineering sulfur vacancies and impurities in NiCo ₂ S ₄ nanostructures toward optimal supercapacitive performance. <i>Nano Energy</i> , 2016, 26, 313-323.	16.0	345
5	Hollow carbon nanobubbles: monocrystalline MOF nanobubbles and their pyrolysis. <i>Chemical Science</i> , 2017, 8, 3538-3546.	7.4	329
6	Recent Progress on Fabrications and Applications of Boron Nitride Nanomaterials: A Review. <i>Journal of Materials Science and Technology</i> , 2015, 31, 589-598.	10.7	282
7	Perfectly ordered mesoporous iron-nitrogen doped carbon as highly efficient catalyst for oxygen reduction reaction in both alkaline and acidic electrolytes. <i>Nano Energy</i> , 2017, 36, 286-294.	16.0	183
8	Monolithic electrode integrated of ultrathin NiFeP on 3D strutted graphene for bifunctionally efficient overall water splitting. <i>Nano Energy</i> , 2019, 58, 870-876.	16.0	166
9	Biomass-Directed Synthesis of 20 g High-Quality Boron Nitride Nanosheets for Thermoconductive Polymeric Composites. <i>ACS Nano</i> , 2014, 8, 9081-9088.	14.6	145
10	Template-free synthesis of boron nitride foam-like porous monoliths and their high-end applications in water purification. <i>Journal of Materials Chemistry A</i> , 2016, 4, 1469-1478.	10.3	133
11	Unusual Antibacterial Property of Mesoporous Titania Films: Drastic Improvement by Controlling Surface Area and Crystallinity. <i>Chemistry - an Asian Journal</i> , 2010, 5, 1978-1983.	3.3	116
12	An oxygen cathode with stable full discharge-charge capability based on 2D conducting oxide. <i>Energy and Environmental Science</i> , 2015, 8, 1992-1997.	30.8	113
13	New trend on mesoporous films: precise controls of one-dimensional (1D) mesochannels toward innovative applications. <i>Journal of Materials Chemistry</i> , 2011, 21, 8934.	6.7	112
14	CoO-modified Co ₄ N as a heterostructured electrocatalyst for highly efficient overall water splitting in neutral media. <i>Journal of Materials Chemistry A</i> , 2018, 6, 24767-24772.	10.3	105
15	Design of BN porous sheets with richly exposed (002) plane edges and their application as TiO ₂ visible light sensitizer. <i>Nano Energy</i> , 2015, 16, 19-27.	16.0	99
16	High-throughput fabrication of strutted graphene by ammonium-assisted chemical blowing for high-performance supercapacitors. <i>Nano Energy</i> , 2015, 16, 81-90.	16.0	83
17	Biomass-Derived Carbon Paper to Sandwich Magnetite Anode for Long-Life Li-Ion Battery. <i>ACS Nano</i> , 2019, 13, 11901-11911.	14.6	82
18	Supercapacitive energy storage performance of molybdenum disulfide nanosheets wrapped with microporous carbons. <i>Journal of Materials Chemistry A</i> , 2015, 3, 3097-3102.	10.3	70

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19	Aluminum matrix composites reinforced with multi-walled boron nitride nanotubes fabricated by a high-pressure torsion technique. <i>Materials and Design</i> , 2015, 88, 451-460.	7.0	67
20	Thermal conductive composites reinforced via advanced boron nitride nanomaterials. <i>Composites Communications</i> , 2018, 10, 103-109.	6.3	64
21	Boron nitride nanotube-enhanced osteogenic differentiation of mesenchymal stem cells. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2016, 104, 323-329.	3.4	61
22	Pollutant capturing SERS substrate: porous boron nitride microfibers with uniform silver nanoparticle decoration. <i>Nanoscale</i> , 2015, 7, 18992-18997.	5.6	56
23	A Mesoporous γ -Alumina Film with Vertical Mesoporosity: The Unusual Conversion from a γ -Alumina Mesostructure to Vertically Oriented γ -Alumina Nanowires. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7410-7413.	13.8	49
24	Porous monoliths of 3D graphene for electric double-layer supercapacitors. , 2021, 3, 193-224.		46
25	Synthesis of Continuous Mesoporous Alumina Films with Large-Sized Cage-Type Mesopores by Using Diblock Copolymers. <i>Chemistry - an Asian Journal</i> , 2012, 7, 1713-1718.	3.3	43
26	Paper-Derived Flexible 3D Interconnected Carbon Microfiber Networks with Controllable Pore Sizes for Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 37046-37056.	8.0	38
27	Synthesis of highly ordered mesoporous alumina thin films and their framework crystallization to γ -alumina phase. <i>Dalton Transactions</i> , 2011, 40, 10851.	3.3	37
28	Spontaneous Weaving of Graphitic Carbon Networks Synthesized by Pyrolysis of ZIF-67 Crystals. <i>Angewandte Chemie</i> , 2017, 129, 8555-8560.	2.0	33
29	Formation of secondary Moiré patterns for characterization of nanoporous alumina structures in multiple domains with different orientations. <i>Nanoscale</i> , 2013, 5, 2285.	5.6	30
30	Hybridization of Photoactive Titania Nanoparticles with Mesoporous Silica Nanoparticles and Investigation of Their Photocatalytic Activity. <i>Bulletin of the Chemical Society of Japan</i> , 2011, 84, 812-817.	3.2	29
31	Curving effects of concave dodecahedral nanocarbons enable enhanced Li-ion storage. <i>Journal of Materials Chemistry A</i> , 2018, 6, 14894-14902.	10.3	29
32	Coordination Polymer Nanoglue: Robust Adhesion Based on Collective Lamellar Stacking of Nanoplates. <i>ACS Nano</i> , 2017, 11, 3662-3670.	14.6	27
33	Flexible conductive polymer composite materials based on strutted graphene foam. <i>Composites Communications</i> , 2021, 25, 100757.	6.3	27
34	Mesoporous SiO_2 and Nb_2O_5 thin films with large spherical mesopores through self-assembly of diblock copolymers: unusual conversion to cuboidal mesopores by Nb_2O_5 crystal growth. <i>CrystEngComm</i> , 2011, 13, 40-43.	2.6	25
35	Preparation of Ordered Mesoporous Alumina-Doped Titania Films with High Thermal Stability and Their Application to High-Speed Passive-Matrix Electrochromic Displays. <i>Chemistry - A European Journal</i> , 2013, 19, 10958-10964.	3.3	22
36	High-performance Pt catalysts supported on hierarchical nitrogen-doped carbon nanocages for methanol electrooxidation. <i>Chinese Journal of Catalysis</i> , 2016, 37, 1149-1155.	14.0	22

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37	Metal-Organic Powder Thermochemical Solid-Vapor Architectonics toward Gradient Hybrid Monolith with Combined Structure-Function Features. <i>Matter</i> , 2020, 3, 879-891.	10.0	22
38	Electrochemical Synthesis of Transparent, Amorphous, C ₆₀ -Rich, Photoactive, and Low-Doped Film with an Interconnected Structure. <i>Small</i> , 2013, 9, 2064-2068.	10.0	21
39	Cerium-doped mesoporous TiO ₂ thin films: Controlled crystallization of anatase with retention of highly ordered mesostructure. <i>Microporous and Mesoporous Materials</i> , 2011, 139, 38-44.	4.4	20
40	Improved Inactivation Effect of Bacteria: Fabrication of Mesoporous Anatase Films with Fine Ag Nanoparticles Prepared by Coaxial Vacuum Arc Deposition. <i>Chemistry Letters</i> , 2011, 40, 420-422.	1.3	19
41	Vertically-oriented conjugated polymer arrays in mesoporous alumina via simple drop-casting and appearance of anisotropic photoluminescence. <i>Chemical Communications</i> , 2012, 48, 549-551.	4.1	16
42	Controlled Synthesis of Well-Ordered Mesoporous Titania Films with Large Mesopores Templated by Spherical PS-b-PEO Micelles. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 3286-3291.	2.0	16
43	Preparation and Hydrogen Sorption Performances of BCNO Porous Microbelts with Ultra-Narrow and Tunable Pore Widths. <i>Chemistry - an Asian Journal</i> , 2013, 8, 2936-2939.	3.3	14
44	Chemical Preparation of Ferroelectric Mesoporous Barium Titanate Thin Films: Drastic Enhancement of Curie Temperature Induced by Mesopore-Derived Strain. <i>Chemistry - A European Journal</i> , 2014, 20, 11283-11286.	3.3	14
45	Synthesis of Continuous Mesoporous Ga-Doped Titania Films with Anatase Crystallized Framework. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 6926-6933.	0.9	10
46	Spot Moiré Fringes: Determination of Domain Boundaries and Structural Parameters in Ordered Nanoporous Structures. <i>Chemistry - A European Journal</i> , 2014, 20, 2179-2183.	3.3	10
47	Few-layer graphitic shells networked by low temperature pyrolysis of zeolitic imidazolate frameworks. <i>Materials Chemistry Frontiers</i> , 2018, 2, 520-529.	5.9	9
48	Interfacial thermal conductance enhancement of BN/PVA composites via plasma activations of fillers. <i>Composites Communications</i> , 2021, 28, 100963.	6.3	9
49	Novel homogeneous Salen Mn(III) catalysts synthesized from dialdehyde or diketone with o-aminophenol for catalyzing epoxidation of alkenes. <i>Catalysis Letters</i> , 2007, 113, 155-159.	2.6	8
50	Porous Monolithic Electrode of Ni ₃ FeN on 3D Graphene for Efficient Oxygen Evolution. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 5175-5181.	0.9	8
51	Porous monolith of few-layered boron nitride for effective water cleanup. <i>Journal of Materials Chemistry A</i> , 2022, 10, 846-854.	10.3	8
52	Gold Nanoparticles Supported on Mesoporous Titania Thin Films with High Loading as a CO Oxidation Catalyst. <i>Chemistry - an Asian Journal</i> , 2017, 12, 877-881.	3.3	7
53	Nitrogen and phosphorus co-doped carbon for improving capacity and rate performances of potassium ion batteries. <i>FlatChem</i> , 2022, , 100398.	5.6	7
54	Synthesis of Thin Titania Photoanodes with Large Mesopores for Electricity-generating Windows. <i>Chemistry Letters</i> , 2015, 44, 656-658.	1.3	6

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55	Nanoparticle-based screen printing of copper zinc tin sulfide thin film as photocathode for quantum dot sensitized solar cell. <i>Materials Letters</i> , 2015, 158, 198-201.	2.6	6
56	Synthesis of a Large-Sized Mesoporous Phosphosilicate Thin Film through Evaporation-Induced Polymeric Micelle Assembly. <i>Chemistry - an Asian Journal</i> , 2015, 10, 183-187.	3.3	5
57	Back Cover Image, Volume 3, Number 2, June 2021. , 2021, 3, ii.		1
58	Metal-Organic Powder Thermochemical Solid-Vapor Architectonics Towards Gradient Hybrid Monolith with Combined Structure-Function Features. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0