Guangzhi Yang

List of Publications by Year
in descending order

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58	1,322	393982 19	360668 35
papers	citations	h-index	g-index

58	58	58	2010
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Preparation and Electrochemical Performance of Three-Dimensional Vertically Aligned Graphene by Unidirectional Freezing Method. Molecules, 2022, 27, 376.	1.7	7
2	Highly Thermal Conductive Graphite Films Derived from the Graphitization of Chemically Imidized Polyimide Films. Nanomaterials, 2022, 12, 367.	1.9	3
3	Aqueous Organic Zinc-Ion Hybrid Supercapacitors Prepared by 3D Vertically Aligned Graphene-Polydopamine Composite Electrode. Nanomaterials, 2022, 12, 386.	1.9	10
4	Direct Ink Writing of Moldable Electrochemical Energy Storage Devices: Ongoing Progress, Challenges, and Prospects. Advanced Engineering Materials, 2021, 23, 2100068.	1.6	26
5	Recent progress on the preparation of three-dimensional vertically aligned graphene and its applications insupercapacitors. Chinese Science Bulletin, 2021, 66, 3617-3630.	0.4	1
6	Bifunctional Fluorinated Separator Enabling Polysulfide Trapping and Li Deposition for Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2021, 13, 11920-11929.	4.0	20
7	Preparation and Electrical Properties of Polyacrylonitrile Based Porous Carbon by Different Activation Methods. Molecules, 2021, 26, 3499.	1.7	1
8	Highly sensitive determination of cadmium and lead in whole blood by electrothermal vaporization-atmospheric pressure glow discharge atomic emission spectrometry. Analytica Chimica Acta, 2021, 1162, 338495.	2.6	22
9	Rational construction of well-defined hollow double shell SnO2/mesoporous carbon spheres heterostructure for supercapacitors. Journal of Alloys and Compounds, 2021, 873, 159810.	2.8	9
10	Preparation of Nitrogen-Doped Cellulose-Based Porous Carbon and Its Carbon Dioxide Adsorption Properties. ACS Omega, 2021, 6, 24814-24825.	1.6	11
11	A Simple Method of Evaluating the Thermal Properties of Metallurgical Cokes under High Temperature. Materials, 2021, 14, 5767.	1.3	0
12	Enhanced corrosion resistance and weathering resistance of waterborne epoxy coatings with polyetheramine-functionalized graphene oxide. Journal of Coatings Technology Research, 2020, 17, 171-180.	1.2	16
13	Armoring LiNi_{1/3}Co_{1/3}Mn_{1/3}O₂ Cathode with Reliable Fluorinated Organicâ€“Inorganic Hybrid Interphase Layer toward Durable High Rate Battery. Advanced Functional Materials, 2020, 30, 2000396.	7.8	74
14	Dispersion and parallel assembly of sulfonated graphene in waterborne epoxy anticorrosion coatings. Journal of Materials Chemistry A, 2019, 7, 17937-17946.	5.2	50
15	Encapsulation of linseed oil in graphene oxide shells for preparation of self-healing composite coatings. Progress in Organic Coatings, 2019, 129, 285-291.	1.9	45
16	Coke texture, reactivity and tumbler strength after reaction under simulated blast furnace conditions. Fuel, 2019, 251, 218-223.	3.4	17
17	Coaxial electrospun fibres with graphene oxide/PAN shells for self-healing waterborne polyurethane coatings. Progress in Organic Coatings, 2019, 131, 227-231.	1.9	31
18	Preparation and CO2 adsorption properties of porous carbon by hydrothermal carbonization of tree leaves. Journal of Materials Science and Technology, 2019, 35, 875-884.	5.6	49

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19	An index of fluidity-temperature area for evaluating cohesiveness of coking coal by Gieseler fluidity characterization. Fuel Processing Technology, 2018, 177, 1-5.	3.7	5
20	Functionalized graphene/polymer composite coatings for autonomous early-warning of steel corrosion. Composites Communications, 2018, 9, 6-10.	3.3	41
21	Zwitterionic graphene oxide modified with two silane molecules for multiple applications. Chemical Physics Letters, 2018, 706, 543-547.	1.2	5
22	Preparation and CO₂ adsorption properties of porous carbon from camphor leaves by hydrothermal carbonization and sequential potassium hydroxide activation. RSC Advances, 2017, 7, 4152-4160.	1.7	48
23	Nanosized sustained-release drug depots fabricated using modified tri-axial electrospinning. Acta Biomaterialia, 2017, 53, 233-241.	4.1	110
24	Influence of Working Temperature on The Formation of Electrospun Polymer Nanofibers. Nanoscale Research Letters, 2017, 12, 55.	3.1	81
25	Epitaxial Growth of Aligned and Continuous Carbon Nanofibers from Carbon Nanotubes. ACS Nano, 2017, 11, 1257-1263.	7.3	23
26	Preparation and dispersity of carbon nanospheres by carbonizing polyacrylonitrile microspheres. RSC Advances, 2017, 7, 16341-16347.	1.7	7
27	Three-dimensional beehive-like hierarchical porous polyacrylonitrile-based carbons as a high performance supercapacitor electrodes. Journal of Power Sources, 2016, 315, 209-217.	4.0	63
28	Facile self-templating preparation of polyacrylonitrile-derived hierarchical porous carbon nanospheres for high-performance supercapacitors. RSC Advances, 2016, 6, 43748-43754.	1.7	14
29	Wettability of natural microcrystalline graphite filler with pitch in isotropic graphite preparation. Fuel, 2016, 180, 743-748.	3.4	16
30	Homogenous and highly isotropic graphite produced from mesocarbon microbeads. Carbon, 2015, 94, 18-26.	5.4	31
31	Electrocatalytic Performance of Carbon Nanotubes with Different Structure Parameters toward the Oxygen Reduction Reaction. ECS Electrochemistry Letters, 2015, 4, H19-H23.	1.9	2
32	Fabrication of ordered mesoporous carbons anchored with MnO nanoparticles through dual-templating approach for supercapacitors. Ceramics International, 2015, 41, 9980-9987.	2.3	11
33	Advantages of natural microcrystalline graphite filler over petroleum coke in isotropic graphite preparation. Carbon, 2015, 90, 197-206.	5.4	50
34	One step synthesis of ordered mesoporous carbons with two-dimensional mesostructure by soft templating method using mixed triblock copolymers. Materials Research Innovations, 2014, 18, 108-111.	1.0	4
35	Interface enhancement of carbon nanotube/mesocarbon microbead isotropic composites. Composites Part A: Applied Science and Manufacturing, 2014, 56, 44-50.	3.8	10
36	Self-catalyzed synthesis of mesoporous carbons with tunable pore size and structure by soft-templating method. Journal of Sol-Gel Science and Technology, 2014, 69, 47-51.	1.1	2

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37	Direct fabrication of ordered mesoporous carbons with super-micropore/small mesopore using mixed triblock copolymers. Journal of Colloid and Interface Science, 2014, 413, 154-158.	5.0	3
38	Preparation of ordered mesoporous carbons with an intergrown p6mm and cubic Fd3m pore structure using a copolymer as a template. Journal of Colloid and Interface Science, 2013, 401, 161-163.	5.0	4
39	Carbon foams from polyacrylonitrile-borneol films prepared using coaxial electrohydrodynamic atomization. Carbon, 2013, 53, 231-236.	5.4	17
40	Preparation of nanoporous carbons with hierarchical pore structure for CO2 capture. New Carbon Materials, 2013, 28, 55-60.	2.9	12
41	Polyethylenimine loaded nanoporous carbon with ultra-large pore volume for CO2 capture. Applied Surface Science, 2013, 277, 47-52.	3.1	33
42	The use of asphalt emulsions as a binder for the preparation of polycrystalline graphite. Carbon, 2013, 58, 238-241.	5.4	26
43	MnO nanoparticles with textured porosity supported on mesoporous carbons. Ceramics International, 2013, 39, 7773-7778.	2.3	10
44	Catalyst-free synthesis of multi-walled carbon nanotubes from carbon spheres and its implications for the formation mechanism. Carbon, 2013, 53, 137-144.	5.4	12
45	Ammonia solution strengthened three-dimensional macro-porous graphene aerogel. Nanoscale, 2013, 5, 5462.	2.8	193
46	Synthesis and Electrochemical Performance of SnO₂/Graphene Anode Material for Lithium Ion Batteries. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2013, 28, 515-520.	0.6	4
47	Raman Study of the Relationship between Microstructure and Physical Properties of Isotropic Graphite. Advanced Materials Research, 2012, 487, 860-863.	0.3	5
48	The comparison of macroporous ceramics fabricated through the protein direct foaming and sponge replica methods. Journal of Porous Materials, 2012, 19, 761-766.	1.3	16
49	Synthesis of Graphene with Microwave Irradiation in Liquid Phase. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2012, 27, 769-774.	0.6	7
50	Preparation of mesoporous carbon microsphere/activated carbon composite for electric double-layer capacitors. New Carbon Materials, 2011, 26, 237-240.	2.9	9
51	Synthesis of carbon nanofiber/carbon-foam composite for catalyst support in gas-phase catalytic reactions. New Carbon Materials, 2011, 26, 341-346.	2.9	10
52	Thermal Properties of Poly(vinyl chloride-co-vinyl acetate-co-2-hydroxypropyl acrylate) (PVVH) Polymer and Its Application in ZnO Based Nanogenerators. Chinese Physics Letters, 2011, 28, 016501.	1.3	10
53	Effect Mechanisms of Carbon Nanotubes on the Supercritical Foaming Behaviors and Mechanical Performance of Carbon Foam. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2011, 26, 1020-1024.	0.6	0
54	Emulsifierâ€free emulsion polymerization of acrylonitrile in the presence of poly(methyl methacrylate) seed particles: Influence of the addition mode on the surface morphology. Journal of Applied Polymer Science, 2009, 112, 410-415.	1.3	11

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55	Hollow carbon nanospheres prepared by carbonizing polymethylmethacrylate/polyacrylonitrile core/shell polymer particles. New Carbon Materials, 2008, 23, 205-208.	2.9	24
56	Synthesis and Characterization of Phenol-Formaldehyde Resin Coated Graphitized Needle Coke. Advanced Materials Research, 0, 347-353, 3365-3369.	0.3	0
57	Synthesis and Characterization of Polyacrylonitrile Microspheres by Soapless Emulsion Polymerization. Advanced Materials Research, 0, 311-313, 571-575.	0.3	0
58	Preparation of carbon-coated MnCO3@MnO2 hierarchical hollow nanostructure and their application in supercapacitors. Journal of Materials Science: Materials in Electronics, 0, , 1.	1.1	1