

# Guangzhi Yang

## List of Publications by Year in descending order

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58  
papers

1,322  
citations

394421

19  
h-index

361022

35  
g-index

58  
all docs

58  
docs citations

58  
times ranked

2010  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ammonia solution strengthened three-dimensional macro-porous graphene aerogel. <i>Nanoscale</i> , 2013, 5, 5462.	5.6	193
2	Nanosized sustained-release drug depots fabricated using modified tri-axial electrospinning. <i>Acta Biomaterialia</i> , 2017, 53, 233-241.	8.3	110
3	Influence of Working Temperature on The Formation of Electrospun Polymer Nanofibers. <i>Nanoscale Research Letters</i> , 2017, 12, 55.	5.7	81
4	Armoring $\text{LiNi}_{1/3}\text{Co}_{1/3}\text{Mn}_{1/3}\text{O}_2$ Cathode with Reliable Fluorinated Organic-Inorganic Hybrid Interphase Layer toward Durable High Rate Battery. <i>Advanced Functional Materials</i> , 2020, 30, 2000396.	14.9	74
5	Three-dimensional beehive-like hierarchical porous polyacrylonitrile-based carbons as a high performance supercapacitor electrodes. <i>Journal of Power Sources</i> , 2016, 315, 209-217.	7.8	63
6	Advantages of natural microcrystalline graphite filler over petroleum coke in isotropic graphite preparation. <i>Carbon</i> , 2015, 90, 197-206.	10.3	50
7	Dispersion and parallel assembly of sulfonated graphene in waterborne epoxy anticorrosion coatings. <i>Journal of Materials Chemistry A</i> , 2019, 7, 17937-17946.	10.3	50
8	Preparation and CO <sub>2</sub> adsorption properties of porous carbon by hydrothermal carbonization of tree leaves. <i>Journal of Materials Science and Technology</i> , 2019, 35, 875-884.	10.7	49
9	Preparation and CO <sub>2</sub> adsorption properties of porous carbon from camphor leaves by hydrothermal carbonization and sequential potassium hydroxide activation. <i>RSC Advances</i> , 2017, 7, 4152-4160.	3.6	48
10	Encapsulation of linseed oil in graphene oxide shells for preparation of self-healing composite coatings. <i>Progress in Organic Coatings</i> , 2019, 129, 285-291.	3.9	45
11	Functionalized graphene/polymer composite coatings for autonomous early-warning of steel corrosion. <i>Composites Communications</i> , 2018, 9, 6-10.	6.3	41
12	Polyethylenimine loaded nanoporous carbon with ultra-large pore volume for CO <sub>2</sub> capture. <i>Applied Surface Science</i> , 2013, 277, 47-52.	6.1	33
13	Homogenous and highly isotropic graphite produced from mesocarbon microbeads. <i>Carbon</i> , 2015, 94, 18-26.	10.3	31
14	Coaxial electrospun fibres with graphene oxide/PAN shells for self-healing waterborne polyurethane coatings. <i>Progress in Organic Coatings</i> , 2019, 131, 227-231.	3.9	31
15	The use of asphalt emulsions as a binder for the preparation of polycrystalline graphite. <i>Carbon</i> , 2013, 58, 238-241.	10.3	26
16	Direct Ink Writing of Moldable Electrochemical Energy Storage Devices: Ongoing Progress, Challenges, and Prospects. <i>Advanced Engineering Materials</i> , 2021, 23, 2100068.	3.5	26
17	Hollow carbon nanospheres prepared by carbonizing polymethylmethacrylate/polyacrylonitrile core/shell polymer particles. <i>New Carbon Materials</i> , 2008, 23, 205-208.	6.1	24
18	Epitaxial Growth of Aligned and Continuous Carbon Nanofibers from Carbon Nanotubes. <i>ACS Nano</i> , 2017, 11, 1257-1263.	14.6	23

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19	Highly sensitive determination of cadmium and lead in whole blood by electrothermal vaporization-atmospheric pressure glow discharge atomic emission spectrometry. <i>Analytica Chimica Acta</i> , 2021, 1162, 338495.	5.4	22
20	Bifunctional Fluorinated Separator Enabling Polysulfide Trapping and Li Deposition for Lithium-Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 11920-11929.	8.0	20
21	Carbon foams from polyacrylonitrile-borneol films prepared using coaxial electrohydrodynamic atomization. <i>Carbon</i> , 2013, 53, 231-236.	10.3	17
22	Coke texture, reactivity and tumbler strength after reaction under simulated blast furnace conditions. <i>Fuel</i> , 2019, 251, 218-223.	6.4	17
23	The comparison of macroporous ceramics fabricated through the protein direct foaming and sponge replica methods. <i>Journal of Porous Materials</i> , 2012, 19, 761-766.	2.6	16
24	Wettability of natural microcrystalline graphite filler with pitch in isotropic graphite preparation. <i>Fuel</i> , 2016, 180, 743-748.	6.4	16
25	Enhanced corrosion resistance and weathering resistance of waterborne epoxy coatings with polyetheramine-functionalized graphene oxide. <i>Journal of Coatings Technology Research</i> , 2020, 17, 171-180.	2.5	16
26	Facile self-templating preparation of polyacrylonitrile-derived hierarchical porous carbon nanospheres for high-performance supercapacitors. <i>RSC Advances</i> , 2016, 6, 43748-43754.	3.6	14
27	Preparation of nanoporous carbons with hierarchical pore structure for CO <sub>2</sub> capture. <i>New Carbon Materials</i> , 2013, 28, 55-60.	6.1	12
28	Catalyst-free synthesis of multi-walled carbon nanotubes from carbon spheres and its implications for the formation mechanism. <i>Carbon</i> , 2013, 53, 137-144.	10.3	12
29	Emulsifier-free emulsion polymerization of acrylonitrile in the presence of poly(methyl methacrylate) seed particles: Influence of the addition mode on the surface morphology. <i>Journal of Applied Polymer Science</i> , 2009, 112, 410-415.	2.6	11
30	Fabrication of ordered mesoporous carbons anchored with MnO nanoparticles through dual-templating approach for supercapacitors. <i>Ceramics International</i> , 2015, 41, 9980-9987.	4.8	11
31	Preparation of Nitrogen-Doped Cellulose-Based Porous Carbon and Its Carbon Dioxide Adsorption Properties. <i>ACS Omega</i> , 2021, 6, 24814-24825.	3.5	11
32	Synthesis of carbon nanofiber/carbon-foam composite for catalyst support in gas-phase catalytic reactions. <i>New Carbon Materials</i> , 2011, 26, 341-346.	6.1	10
33	Thermal Properties of Poly(vinyl chloride-co-vinyl acetate-co-2-hydroxypropyl acrylate) (PVVH) Polymer and Its Application in ZnO Based Nanogenerators. <i>Chinese Physics Letters</i> , 2011, 28, 016501.	3.3	10
34	MnO nanoparticles with textured porosity supported on mesoporous carbons. <i>Ceramics International</i> , 2013, 39, 7773-7778.	4.8	10
35	Interface enhancement of carbon nanotube/mesocarbon microbead isotropic composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2014, 56, 44-50.	7.6	10
36	Aqueous Organic Zinc-Ion Hybrid Supercapacitors Prepared by 3D Vertically Aligned Graphene-Polydopamine Composite Electrode. <i>Nanomaterials</i> , 2022, 12, 386.	4.1	10

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37	Preparation of mesoporous carbon microsphere/activated carbon composite for electric double-layer capacitors. <i>New Carbon Materials</i> , 2011, 26, 237-240.	6.1	9
38	Rational construction of well-defined hollow double shell SnO <sub>2</sub> /mesoporous carbon spheres heterostructure for supercapacitors. <i>Journal of Alloys and Compounds</i> , 2021, 873, 159810.	5.5	9
39	Preparation and dispersity of carbon nanospheres by carbonizing polyacrylonitrile microspheres. <i>RSC Advances</i> , 2017, 7, 16341-16347.	3.6	7
40	Synthesis of Graphene with Microwave Irradiation in Liquid Phase. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , 2012, 27, 769-774.	1.3	7
41	Preparation and Electrochemical Performance of Three-Dimensional Vertically Aligned Graphene by Unidirectional Freezing Method. <i>Molecules</i> , 2022, 27, 376.	3.8	7
42	Raman Study of the Relationship between Microstructure and Physical Properties of Isotropic Graphite. <i>Advanced Materials Research</i> , 2012, 487, 860-863.	0.3	5
43	An index of fluidity-temperature area for evaluating cohesiveness of coking coal by Gieseler fluidity characterization. <i>Fuel Processing Technology</i> , 2018, 177, 1-5.	7.2	5
44	Zwitterionic graphene oxide modified with two silane molecules for multiple applications. <i>Chemical Physics Letters</i> , 2018, 706, 543-547.	2.6	5
45	Preparation of ordered mesoporous carbons with an intergrown p6mm and cubic Fd3m pore structure using a copolymer as a template. <i>Journal of Colloid and Interface Science</i> , 2013, 401, 161-163.	9.4	4
46	One step synthesis of ordered mesoporous carbons with two-dimensional mesostructure by soft templating method using mixed triblock copolymers. <i>Materials Research Innovations</i> , 2014, 18, 108-111.	2.3	4
47	Synthesis and Electrochemical Performance of SnO <sub>2</sub> /Graphene Anode Material for Lithium Ion Batteries. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , 2013, 28, 515-520.	1.3	4
48	Direct fabrication of ordered mesoporous carbons with super-micropore/small mesopore using mixed triblock copolymers. <i>Journal of Colloid and Interface Science</i> , 2014, 413, 154-158.	9.4	3
49	Highly Thermal Conductive Graphite Films Derived from the Graphitization of Chemically Imidized Polyimide Films. <i>Nanomaterials</i> , 2022, 12, 367.	4.1	3
50	Self-catalyzed synthesis of mesoporous carbons with tunable pore size and structure by soft-templating method. <i>Journal of Sol-Gel Science and Technology</i> , 2014, 69, 47-51.	2.4	2
51	Electrocatalytic Performance of Carbon Nanotubes with Different Structure Parameters toward the Oxygen Reduction Reaction. <i>ECS Electrochemistry Letters</i> , 2015, 4, H19-H23.	1.9	2
52	Recent progress on the preparation of three-dimensional vertically aligned graphene and its applications insupercapacitors. <i>Chinese Science Bulletin</i> , 2021, 66, 3617-3630.	0.7	1
53	Preparation and Electrical Properties of Polyacrylonitrile Based Porous Carbon by Different Activation Methods. <i>Molecules</i> , 2021, 26, 3499.	3.8	1
54	Preparation of carbon-coated MnCO <sub>3</sub> @MnO <sub>2</sub> hierarchical hollow nanostructure and their application in supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 0, , 1.	2.2	1

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55	Synthesis and Characterization of Phenol-Formaldehyde Resin Coated Graphitized Needle Coke. <i>Advanced Materials Research</i> , 0, 347-353, 3365-3369.	0.3	0
56	Synthesis and Characterization of Polyacrylonitrile Microspheres by Soapless Emulsion Polymerization. <i>Advanced Materials Research</i> , 0, 311-313, 571-575.	0.3	0
57	A Simple Method of Evaluating the Thermal Properties of Metallurgical Cokes under High Temperature. <i>Materials</i> , 2021, 14, 5767.	2.9	0
58	Effect Mechanisms of Carbon Nanotubes on the Supercritical Foaming Behaviors and Mechanical Performance of Carbon Foam. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , 2011, 26, 1020-1024.	1.3	0