

Wenming Qiao

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

4,083
citations

159585

30
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114465

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citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoarchitected MnO ₂ Confined to Mesoporous Carbon Microspheres as Bifunctional Electrodes for High-Performance Supercapacitors and Lithium-Ion Capacitors. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 1748-1760.	3.7	7
2	A simple route to constructing rGO wrapped Fe ₂ O ₃ cubes as a high-performance anode material for lithium-ion batteries. <i>Ionics</i> , 2022, 28, 3165-3176.	2.4	1
3	Facile Fabrication of Fe ₂ O ₃ -Decorated Carbon Matrixes with a Multidimensional Structure as Anodes for Lithium-Ion Batteries. <i>Energy & Fuels</i> , 2021, 35, 816-826.	5.1	14
4	Insight into the mechanism of boron-doping of carbon aerogel for enhancing the activity of low-temperature selective catalytic reduction of NO with NH ₃ . <i>Catalysis Science and Technology</i> , 2021, 11, 2057-2072.	4.1	9
5	Promotion of Phosphorus on Carbon Supports for MnO _x ~CeO ₂ Catalysts in Low-Temperature NH ₃ ~SCR with Enhanced SO ₂ Resistance. <i>ChemistrySelect</i> , 2021, 6, 3642-3655.	1.5	5
6	Low-Temperature Selective Catalytic Reduction of NO _x with NH ₃ over Mn~Ce Composites Synthesized by Polymer-Assisted Deposition. <i>ACS Omega</i> , 2021, 6, 12801-12812.	3.5	15
7	Ammonia-Free Selective Catalytic Reduction of NO at Low Temperature on Melamine Impregnated MnO _x ~CeO ₂ /Carbon Aerogels. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 13233-13242.	3.7	5
8	Oxygen vacancies enhance the lithium ion intercalation pseudocapacitive properties of orthorhombic niobium pentoxide. <i>Journal of Colloid and Interface Science</i> , 2020, 562, 193-203.	9.4	46
9	Insights into the promotion role of phosphorus doping on carbon as a metal-free catalyst for low-temperature selective catalytic reduction of NO with NH ₃ . <i>RSC Advances</i> , 2020, 10, 12908-12919.	3.6	18
10	Catalytic Graphitization of Anthracite as an Anode for Lithium-Ion Batteries. <i>Energy & Fuels</i> , 2020, 34, 8911-8918.	5.1	30
11	Preparation of Mesoporous Mn~Ce~Ti~O Aerogels by a One-Pot Sol~Gel Method for Selective Catalytic Reduction of NO with NH ₃ . <i>Materials</i> , 2020, 13, 475.	2.9	11
12	Construction of mesoporous carbon microsphere/polyaniline composites as high performance pseudocapacitive electrodes. <i>Journal of Colloid and Interface Science</i> , 2020, 573, 45-54.	9.4	8
13	Fabrication of hierarchical carbon nanosheet-based networks for physical and chemical adsorption of CO ₂ . <i>Journal of Colloid and Interface Science</i> , 2019, 534, 72-80.	9.4	34
14	Controllable synthesis of mesoporous carbon microspheres with renewable water glass as a template for lithium-sulfur batteries. <i>Journal of Colloid and Interface Science</i> , 2019, 554, 103-112.	9.4	4
15	Sulfur film sandwiched between few-layered MoS ₂ electrocatalysts and conductive reduced graphene oxide as a robust cathode for advanced lithium~sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 5899-5909.	10.3	95
16	Three-dimensional Mn~Cu~Ce ternary mixed oxide networks prepared by polymer-assisted deposition for HCHO catalytic oxidation. <i>Catalysis Science and Technology</i> , 2018, 8, 2740-2749.	4.1	29
17	Low-Temperature Selective Catalytic Reduction of NO _x with Urea Supported on Carbon Xerogels. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 6842-6852.	3.7	9
18	Nanocrystalline celluloses-assisted preparation of hierarchical carbon monoliths for hexavalent chromium removal. <i>Journal of Colloid and Interface Science</i> , 2018, 510, 77-85.	9.4	22

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19	Controllable Synthesis of Highly Graphitizable Pitches from 1-Methylnaphthalene via Closed-System Dehydrobromination. <i>Energy & Fuels</i> , 2018, 32, 11055-11066.	5.1	7
20	Flexible Pt-Promoted Graphene Aerogel Monolith: Versatile Catalyst for Room-Temperature Removal of Carbon Monoxide, Formaldehyde, and Ethylene. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 14544-14550.	3.7	11
21	Carbon Nanotube@Microporous Carbon Core-Shell Nanowires for NO Oxidation: The Multiple Roles of Micropore Structure. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 12061-12070.	3.7	10
22	Free-standing carbon nanofiber fabrics for high performance flexible supercapacitor. <i>Journal of Colloid and Interface Science</i> , 2018, 531, 513-522.	9.4	45
23	Dimensional control of tubular-type carbon nanofibers via pyrolytic carbon coating. <i>Journal of Materials Science</i> , 2017, 52, 5165-5178.	3.7	2
24	Metal chloride-assisted synthesis of hierarchical porous carbons for high-rate-performance supercapacitor. <i>RSC Advances</i> , 2017, 7, 26650-26657.	3.6	4
25	Highly efficient removal of bulky tannic acid by millimeter-sized nitrogen-doped mesoporous carbon beads. <i>AIChE Journal</i> , 2017, 63, 3016-3025.	3.6	19
26	A General Silica-Templating Synthesis of Alkaline Mesoporous Carbon Catalysts for Highly Efficient H_2/S Oxidation at Room Temperature. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 2477-2484.	8.0	32
27	Shape-Customizable Macro/Microporous Carbon Monoliths for Structure-Functionality CO_2 Adsorption and Novel Electrical Regeneration. <i>Advanced Materials Technologies</i> , 2017, 2, 1700088.	5.8	9
28	Template-free synthesis of nitrogen-doped hierarchical porous carbons for CO_2 adsorption and supercapacitor electrodes. <i>Journal of Colloid and Interface Science</i> , 2017, 488, 207-217.	9.4	62
29	Flexible Ru/Graphene Aerogel with Switchable Surface Chemistry: Highly Efficient Catalyst for Room-Temperature CO Oxidation. <i>Advanced Materials Interfaces</i> , 2016, 3, 1500711.	3.7	16
30	Macroscopic and Mechanically Robust Hollow Carbon Spheres with Superior Oil Adsorption and Light-Heat Evaporation Properties. <i>Advanced Functional Materials</i> , 2016, 26, 5368-5375.	14.9	108
31	Synthesis and Charge Storage Properties of Hierarchical Niobium Pentoxide/Carbon/Niobium Carbide (MXene) Hybrid Materials. <i>Chemistry of Materials</i> , 2016, 28, 3937-3943.	6.7	210
32	Design of a dual-bed catalyst system with microporous carbons and urea-supported mesoporous carbons for highly effective removal of NO_x at room temperature. <i>RSC Advances</i> , 2016, 6, 27272-27281.	3.6	6
33	Catalytic Graphitization of Coal-Based Carbon Materials with Light Rare Earth Elements. <i>Langmuir</i> , 2016, 32, 8583-8592.	3.5	35
34	Kinetically-enhanced polysulfide redox reactions by Nb_2O_5 nanocrystals for high-rate lithium-sulfur battery. <i>Energy and Environmental Science</i> , 2016, 9, 3230-3239.	30.8	328
35	Nanoarchitected Nb_2O_5 hollow, $Nb_2O_5@carbon$ and $NbO_2@carbon$ Core-Shell Microspheres for Ultrahigh-Rate Intercalation Pseudocapacitors. <i>Scientific Reports</i> , 2016, 6, 21177.	3.3	123
36	Fabrication of monolithic carbon nanofiber/carbon composites. <i>RSC Advances</i> , 2016, 6, 6443-6450.	3.6	5

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37	Highly effective utilization of ethylene tar for mesophase development via a molecular fractionation process. RSC Advances, 2016, 6, 796-804.	3.6	10
38	Organic Amine-Mediated Synthesis of Polymer and Carbon Microspheres: Mechanism Insight and Energy-Related Applications. ACS Applied Materials & Interfaces, 2016, 8, 4851-4861.	8.0	29
39	Effective removal of hexavalent chromium from aqueous solutions by adsorption on mesoporous carbon microspheres. Journal of Colloid and Interface Science, 2016, 462, 200-207.	9.4	131
40	Application of polyethylenimine-impregnated solid adsorbents for direct capture of low-concentration CO ₂ . AIChE Journal, 2015, 61, 972-980.	3.6	73
41	Synthesis and characterization of high-softening-point methylene-bridged pitches by visible light irradiation assisted free-radical bromination. Carbon, 2015, 95, 780-788.	10.3	34
42	Rational Design of High-Surface-Area Carbon Nanotube/Microporous Carbon Core-Shell Nanocomposites for Supercapacitor Electrodes. ACS Applied Materials & Interfaces, 2015, 7, 4817-4825.	8.0	62
43	Effect of SO ₂ on Activated Carbon Honeycomb Supported CeO ₂ -MnO _x Catalyst for NO Removal at Low Temperature. Industrial & Engineering Chemistry Research, 2015, 54, 2274-2278.	3.7	76
44	Direct Capture of Low-Concentration CO ₂ on Mesoporous Carbon-Supported Solid Amine Adsorbents at Ambient Temperature. Industrial & Engineering Chemistry Research, 2015, 54, 5319-5327.	3.7	113
45	Free-Standing Ti-Nb ₂ O ₅ /Graphene Composite Papers with Ultrahigh Gravimetric/Volumetric Capacitance for Li-Ion Intercalation Pseudocapacitor. ACS Nano, 2015, 9, 11200-11208.	14.6	349
46	Flexible carbon nanofiber sponges for highly efficient and recyclable oil absorption. RSC Advances, 2015, 5, 70025-70031.	3.6	33
47	Catalytic effect of praseodymium oxide additive on the microstructure and electrical property of graphite anode. Carbon, 2015, 95, 940-948.	10.3	16
48	Controllable Nitrogen Doping of High-Surface-Area Microporous Carbons Synthesized from an Organic-Inorganic Sol-Gel Approach for Li-S Cathodes. ACS Applied Materials & Interfaces, 2015, 7, 21188-21197.	8.0	28
49	Scalable preparation of nitrogen-enriched carbon microspheres for efficient CO ₂ capture. RSC Advances, 2014, 4, 61456-61464.	3.6	19
50	Large-scale synthesis of mesoporous carbon microspheres with controllable structure and nitrogen doping using a spray drying method. RSC Advances, 2014, 4, 62662-62665.	3.6	20
51	Controllable synthesis of hierarchical mesoporous/microporous nitrogen-rich polymer networks for CO ₂ and Cr(VI) ion adsorption. RSC Advances, 2014, 4, 16224-16232.	3.6	30
52	High-power and high-energy asymmetric supercapacitors based on Li ⁺ -intercalation into a Ti-Nb ₂ O ₅ /graphene pseudocapacitive electrode. Journal of Materials Chemistry A, 2014, 2, 17962-17970.	10.3	153
53	Effect of graphitic structure on electrochemical ion intercalation into positive and negative electrodes. Journal of Solid State Electrochemistry, 2014, 18, 2673-2682.	2.5	17
54	A high-rate lithium-sulfur battery assisted by nitrogen-enriched mesoporous carbons decorated with ultrafine La ₂ O ₃ nanoparticles. Journal of Materials Chemistry A, 2013, 1, 13283.	10.3	189

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55	Nitrogen-Rich Mesoporous Carbons: Highly Efficient, Regenerable Metal-Free Catalysts for Low-Temperature Oxidation of H ₂ S. ACS Catalysis, 2013, 3, 862-870.	11.2	150
56	Nitrogen Doping Effects on the Physical and Chemical Properties of Mesoporous Carbons. Journal of Physical Chemistry C, 2013, 117, 8318-8328.	3.1	237
57	High Efficiency Immobilization of Sulfur on Nitrogen-Enriched Mesoporous Carbons for Li ⁺ S Batteries. ACS Applied Materials & Interfaces, 2013, 5, 5630-5638.	8.0	305
58	MnO ₂ /CeO ₂ /Activated Carbon Honeycomb Catalyst for Selective Catalytic Reduction of NO with NH ₃ at Low Temperatures. Industrial & Engineering Chemistry Research, 2012, 51, 11667-11673.	3.7	92
59	Significantly enhanced rate capability in supercapacitors using carbide-derived carbons electrode with superior microstructure. Journal of Solid State Electrochemistry, 2012, 16, 1263-1270.	2.5	9
60	Structural features of polyacrylonitrile-based carbon fibers. Journal of Materials Science, 2012, 47, 919-928.	3.7	54
61	Meso-channel Development in Graphitic Carbon Nanofibers with Various Structures. Chemistry of Materials, 2011, 23, 4141-4148.	6.7	14
62	Kinetics and Mechanism Study of Low-Temperature Selective Catalytic Reduction of NO with Urea Supported on Pitch-Based Spherical Activated Carbon. Industrial & Engineering Chemistry Research, 2011, 50, 6017-6027.	3.7	18
63	Hard-templating synthesis of mesoporous carbon spheres with controlled particle size and mesoporous structure for enzyme immobilization. Materials Chemistry and Physics, 2011, 129, 1035-1041.	4.0	33
64	Effect of oxygen-containing functional groups on the impedance behavior of activated carbon-based electric double-layer capacitors. Journal of Solid State Electrochemistry, 2011, 15, 413-419.	2.5	47
65	Low-Temperature Selective Catalytic Reduction of NO with Urea Supported on Pitch-Based Spherical Activated Carbon. Industrial & Engineering Chemistry Research, 2010, 49, 6317-6322.	3.7	8
66	Ion Transport Behavior in Triblock Copolymer-Templated Ordered Mesoporous Carbons with Different Pore Symmetries. Journal of Physical Chemistry C, 2010, 114, 18745-18751.	3.1	53
67	Role of Pore Structure of Activated Carbon Fibers in the Catalytic Oxidation of H ₂ S. Industrial & Engineering Chemistry Research, 2010, 49, 3152-3159.	3.7	75
68	A model to predict property of additives modified carbon material high temperature binder with RBF neural networks. , 2008, , .		0
69	Removal of formaldehyde at low concentration using various activated carbon fibers. Journal of Applied Polymer Science, 2007, 106, 2151-2157.	2.6	92
70	KOH Activation of Needle Coke to Develop Activated Carbons for High-Performance EDLC. Energy & Fuels, 2006, 20, 1680-1684.	5.1	120