

Dong Gu

List of Publications by Year in Descending Order

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Version: 2024-04-20

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

78
papers

9,753
citations

39
h-index

81
g-index

81
ext. papers

10,380
ext. citations

11.1
avg, IF

5.96
L-index

#	Paper	IF	Citations
78	Recent progress of mesoporous carbons applied in electrochemical catalysis. <i>New Carbon Materials</i> , 2022 , 37, 152-179	4.4	2
77	Versatile Preparation of Mesoporous Single-Layered Transition-Metal Sulfide/Carbon Composites for Enhanced Sodium Storage. <i>Advanced Materials</i> , 2021 , e2104427	24	11
76	Highly Ordered Mesoporous Cobalt Oxide as Heterogeneous Catalyst for Aerobic Oxidative Aromatization of N-Heterocycles. <i>ChemCatChem</i> , 2021 , 13, 3679-3686	5.2	1
75	Catalytic decomposition of methane to produce hydrogen: A review. <i>Journal of Energy Chemistry</i> , 2021 , 58, 415-430	12	35
74	Controllable conversion of rice husks to Si/C and SiC/C composites in molten salts. <i>Journal of Energy Chemistry</i> , 2021 , 55, 102-107	12	21
73	In Situ Synthesis of CuN /Mesoporous N-Doped Carbon for Selective Oxidative Crosscoupling of Terminal Alkynes under Mild Conditions.. <i>Small</i> , 2021 , e2105178	11	2
72	Template-Free Electrochemical Formation of Silicon Nanotubes from Silica. <i>Advanced Science</i> , 2020 , 7, 2001492	13.6	25
71	Thermoelectrochemical formation of Fe/Fe ₃ C@hollow N-doped carbon in molten salts for enhanced catalysis. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 4800-4806	13	24
70	Interfacial confinement of Ni-V ₂ O ₃ in molten salts for enhanced electrocatalytic hydrogen evolution. <i>Journal of Energy Chemistry</i> , 2020 , 50, 280-285	12	25
69	Recent progress on functional mesoporous materials as catalysts in organic synthesis. <i>Emergent Materials</i> , 2020 , 3, 247-266	3.5	11
68	One-step molten-salt synthesis of anatase/rutile bi-phase TiO ₂ @MoS ₂ hierarchical photocatalysts for enhanced solar-driven hydrogen generation. <i>Applied Surface Science</i> , 2020 , 507, 145072	6.7	19
67	Effects of K and Mn promoters over Fe ₂ O ₃ on Fischer-Tropsch synthesis. <i>Journal of Energy Chemistry</i> , 2020 , 47, 118-127	12	7
66	Nickel based oxide film formed in molten salts for efficient electrocatalytic oxygen evolution. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 10514-10522	13	29
65	High surface area black TiO ₂ templated from ordered mesoporous carbon for solar driven hydrogen evolution. <i>Microporous and Mesoporous Materials</i> , 2018 , 268, 162-169	5.3	14
64	Influence of preparation method and doping of zirconium oxide onto the material characteristics and catalytic activity for the H ₂ O reaction in nickel on zirconium oxide catalysts. <i>Journal of Catalysis</i> , 2018 , 365, 367-375	7.3	22
63	Ruthenium Supported on High-Surface-Area Zirconia as an Efficient Catalyst for the Base-Free Oxidation of 5-Hydroxymethylfurfural to 2,5-Furandicarboxylic Acid. <i>ChemSusChem</i> , 2018 , 11, 2083-2090	8.3	37
62	Tracking the Active Catalyst for Iron-Based Ammonia Decomposition by In Situ Synchrotron Diffraction Studies. <i>ChemCatChem</i> , 2018 , 10, 4465-4472	5.2	7

61	Bio-oil upgrading via vapor-phase ketonization over nanostructured FeOx and MnOx: catalytic performance and mechanistic insight. <i>Biomass Conversion and Biorefinery</i> , 2017 , 7, 319-329	2.3	13
60	Avoiding Self-Poisoning: A Key Feature for the High Activity of Au/Mg(OH) Catalysts in Continuous Low-Temperature CO Oxidation. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 9597-9602	16.4	26
59	Surface-Casting Synthesis of Mesoporous Zirconia with a CMK-5-Like Structure and High Surface Area. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 11222-11225	16.4	33
58	Surface-Casting Synthesis of Mesoporous Zirconia with a CMK-5-Like Structure and High Surface Area. <i>Angewandte Chemie</i> , 2017 , 129, 11374-11377	3.6	8
57	Nitrogen-Doped Ordered Mesoporous Carbon Supported Bimetallic PtCo Nanoparticles for Upgrading of Biophenolics. <i>Angewandte Chemie</i> , 2016 , 128, 8996-9001	3.6	13
56	Gold on Different Manganese Oxides: Ultra-Low-Temperature CO Oxidation over Colloidal Gold Supported on Bulk-MnO ₂ Nanomaterials. <i>Journal of the American Chemical Society</i> , 2016 , 138, 9572-80	16.4	73
55	Nitrogen-Doped Ordered Mesoporous Carbon Supported Bimetallic PtCo Nanoparticles for Upgrading of Biophenolics. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 8850-5	16.4	124
54	Co ₃ O ₄ Nanoparticles Supported on Mesoporous Carbon for Selective Transfer Hydrogenation of α -Unsaturated Aldehydes. <i>Angewandte Chemie</i> , 2016 , 128, 11267-11271	3.6	25
53	Co ₃ O ₄ Nanoparticles Supported on Mesoporous Carbon for Selective Transfer Hydrogenation of α -Unsaturated Aldehydes. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 11101-5	16.4	78
52	In Situ X-ray Diffraction Study of CoAl Nanocomposites as Catalysts for Ammonia Decomposition. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 17102-17110	3.8	20
51	Controllable Synthesis of Mesoporous Peapod-like Co ₃ O ₄ @Carbon Nanotube Arrays for High-Performance Lithium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 7060-4	16.4	318
50	Highly Ordered Mesoporous Cobalt-Containing Oxides: Structure, Catalytic Properties, and Active Sites in Oxidation of Carbon Monoxide. <i>Journal of the American Chemical Society</i> , 2015 , 137, 11407-18	16.4	175
49	Controllable Synthesis of Mesoporous Peapod-like Co ₃ O ₄ @Carbon Nanotube Arrays for High-Performance Lithium-Ion Batteries. <i>Angewandte Chemie</i> , 2015 , 127, 7166-7170	3.6	39
48	Effect of reduction-oxidation treatment on structure and catalytic properties of ordered mesoporous CuMgAl composite oxides. <i>Science Bulletin</i> , 2015 , 60, 1108-1113	10.6	7
47	Uniform 2 nm gold nanoparticles supported on iron oxides as active catalysts for CO oxidation reaction: structure-activity relationship. <i>Nanoscale</i> , 2015 , 7, 4920-8	7.7	47
46	Large pore mesostructured cellular silica foam coated magnetic oxide composites with multilamellar vesicle shells for adsorption. <i>Chemical Communications</i> , 2014 , 50, 713-5	5.8	39
45	Ordered mesoporous CuTeO catalysts for CO preferential oxidation in H ₂ -rich gases: Influence of copper content and pretreatment conditions. <i>Applied Catalysis B: Environmental</i> , 2014 , 152-153, 11-18	21.8	58
44	Synthesis of non-siliceous mesoporous oxides. <i>Chemical Society Reviews</i> , 2014 , 43, 313-44	58.5	445

43	Two-dimensional mesoporous carbon nanosheets and their derived graphene nanosheets: synthesis and efficient lithium ion storage. <i>Journal of the American Chemical Society</i> , 2013 , 135, 1524-30	16.4	514
42	Direct imaging of the layer-by-layer growth and rod-unit repairing defects of mesoporous silica SBA-15 by cryo-SEM. <i>Journal of Materials Chemistry</i> , 2011 , 21, 17371		16
41	Hydrothermal etching assisted crystallization: a facile route to functional yolk-shell titanate microspheres with ultrathin nanosheets-assembled double shells. <i>Journal of the American Chemical Society</i> , 2011 , 133, 15830-3	16.4	268
40	Hierarchically Ordered Macro-/Mesoporous Silica Monolith: Tuning Macropore Entrance Size for Size-Selective Adsorption of Proteins. <i>Chemistry of Materials</i> , 2011 , 23, 2176-2184	9.6	186
39	Synthesis of monodispersed ultrafine Bi ₂ S ₃ nanocrystals. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 9382-9386	5.7	16
38	Ligand-Assisted Assembly Approach to Synthesize Large-Pore Ordered Mesoporous Titania with Thermally Stable and Crystalline Framework. <i>Advanced Energy Materials</i> , 2011 , 1, 241-248	21.8	123
37	A Self-Template Strategy for the Synthesis of Mesoporous Carbon Nanofibers as Advanced Supercapacitor Electrodes. <i>Advanced Energy Materials</i> , 2011 , 1, 382-386	21.8	327
36	Microwave absorption enhancement and electron microscopy characterization of BaTiO ₃ nano-torus. <i>Nanoscale</i> , 2011 , 3, 3860-7	7.7	102
35	Advanced electron microscopy characterization for pore structure of mesoporous materials; a study of FDU-16 and FDU-18. <i>Journal of Materials Chemistry</i> , 2011 , 21, 13664		8
34	Dual-template synthesis of magnetically-separable hierarchically-ordered porous carbons by catalytic graphitization. <i>Carbon</i> , 2011 , 49, 3055-3064	10.4	81
33	High-resolution electron microscopy study of mesoporous dichalcogenides and their hydrogen storage properties. <i>Nanotechnology</i> , 2011 , 22, 075702	3.4	4
32	Growth of Single-Crystal Mesoporous Carbons with Im ₃ m Symmetry. <i>Chemistry of Materials</i> , 2010 , 22, 4828-4833	9.6	66
31	An unusual example of morphology controlled periodic mesoporous organosilica single crystals. <i>Journal of Materials Chemistry</i> , 2010 , 20, 6460		20
30	Direct Synthesis of Controllable Microstructures of Thermally Stable and Ordered Mesoporous Crystalline Titanium Oxides and Carbide/Carbon Composites. <i>Chemistry of Materials</i> , 2010 , 22, 1760-1767	9.6	68
29	Robust conductive mesoporous carbon/silica composite films with highly ordered and oriented orthorhombic structures from triblock-copolymer template co-assembly. <i>Journal of Materials Chemistry</i> , 2010 , 20, 1691		55
28	Controlled Synthesis and Functionalization of Ordered Large-Pore Mesoporous Carbons. <i>Advanced Functional Materials</i> , 2010 , 20, 3658-3665	15.6	117
27	An aqueous emulsion route to synthesize mesoporous carbon vesicles and their nanocomposites. <i>Advanced Materials</i> , 2010 , 22, 833-7	24	103
26	Cadmium imidazolate frameworks with polymorphism, high thermal stability, and a large surface area. <i>Chemistry - A European Journal</i> , 2010 , 16, 1137-41	4.8	132

25	A Low-Concentration Hydrothermal Synthesis of Biocompatible Ordered Mesoporous Carbon Nanospheres with Tunable and Uniform Size. <i>Angewandte Chemie</i> , 2010 , 122, 8159-8163	3.6	81
24	A low-concentration hydrothermal synthesis of biocompatible ordered mesoporous carbon nanospheres with tunable and uniform size. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 7987-9164	16.4	543
23	Direct triblock-copolymer-templating synthesis of ordered nitrogen-containing mesoporous polymers. <i>Journal of Colloid and Interface Science</i> , 2010 , 342, 579-85	9.3	79
22	Magnetic 3-D ordered macroporous silica templated from binary colloidal crystals and its application for effective removal of microcystin. <i>Microporous and Mesoporous Materials</i> , 2010 , 130, 26-35	5.3	32
21	Synthesis of Ordered Mesoporous Carbon Materials with Semi-Graphitized Walls via Direct In-situ Silica-Confined Thermal Decomposition of CH ₄ and Their Hydrogen Storage Properties. <i>Topics in Catalysis</i> , 2009 , 52, 12-26	2.3	33
20	Silica-templated synthesis of ordered mesoporous tungsten carbide/graphitic carbon composites with nanocrystalline walls and high surface areas via a temperature-programmed carburization route. <i>Small</i> , 2009 , 5, 2738-49	11	69
19	Design of Amphiphilic ABC Triblock Copolymer for Templating Synthesis of Large-Pore Ordered Mesoporous Carbons with Tunable Pore Wall Thickness. <i>Chemistry of Materials</i> , 2009 , 21, 3996-4005	9.6	93
18	Synthesis and microwave absorption of uniform hematite nanoparticles and their core-shell mesoporous silica nanocomposites. <i>Journal of Materials Chemistry</i> , 2009 , 19, 6706		163
17	A novel approach to the construction of 3-D ordered macrostructures with polyhedral particles. <i>Journal of Materials Chemistry</i> , 2008 , 18, 408-415		17
16	One-step hydrothermal synthesis of ordered mesostructured carbonaceous monoliths with hierarchical porosities. <i>Chemical Communications</i> , 2008 , 2641-3	5.8	167
15	Ultra-Large-Pore Mesoporous Carbons Templated from Poly(ethylene oxide)-b-Polystyrene Diblock Copolymer by Adding Polystyrene Homopolymer as a Pore Expander. <i>Chemistry of Materials</i> , 2008 , 20, 7281-7286	9.6	108
14	Thick wall mesoporous carbons with a large pore structure templated from a weakly hydrophobic PEOBMA diblock copolymer. <i>Journal of Materials Chemistry</i> , 2008 , 18, 91-97		89
13	A "teardown" method to create large mesotunnels on the pore walls of ordered mesoporous silica. <i>Journal of Colloid and Interface Science</i> , 2008 , 328, 338-43	9.3	7
12	Mesoporous carbon single-crystals from organic-organic self-assembly. <i>Journal of the American Chemical Society</i> , 2007 , 129, 7746-7	16.4	101
11	Formation of mesoporous carbon with a face-centered-cubic Fd $\bar{3}m$ structure and bimodal architectural pores from the reverse amphiphilic triblock copolymer PPO-PEO-PPO. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 1089-93	16.4	112
10	Formation of Mesoporous Carbon With a Face-Centered-Cubic Fd $\bar{3}m$ Structure and Bimodal Architectural Pores From the Reverse Amphiphilic Triblock Copolymer PPO-PEO-PPO. <i>Angewandte Chemie</i> , 2007 , 119, 1107-1111	3.6	18
9	Ordered mesoporous silicas and carbons with large accessible pores templated from amphiphilic diblock copolymer poly(ethylene oxide)-b-polystyrene. <i>Journal of the American Chemical Society</i> , 2007 , 129, 1690-7	16.4	354
8	Ordered mesoporous polymers and polymer-silica anocomposites. <i>Studies in Surface Science and Catalysis</i> , 2007 , 170, 1721-1733	1.8	1

7	Triconstituent co-assembly to ordered mesostructured polymer-silica and carbon-silica nanocomposites and large-pore mesoporous carbons with high surface areas. <i>Journal of the American Chemical Society</i> , 2006 , 128, 11652-62	16.4	539
6	An Aqueous Cooperative Assembly Route To Synthesize Ordered Mesoporous Carbons with Controlled Structures and Morphology. <i>Chemistry of Materials</i> , 2006 , 18, 5279-5288	9.6	226
5	A Family of Highly Ordered Mesoporous Polymer Resin and Carbon Structures from Organic/Organic Self-Assembly. <i>Chemistry of Materials</i> , 2006 , 18, 4447-4464	9.6	931
4	A facile aqueous route to synthesize highly ordered mesoporous polymers and carbon frameworks with Ia3d bicontinuous cubic structure. <i>Journal of the American Chemical Society</i> , 2005 , 127, 13508-9	16.4	558
3	Ordered mesoporous polymers and homologous carbon frameworks: amphiphilic surfactant templating and direct transformation. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 7053-9	16.4	1130
2	Ordered Mesoporous Polymers and Homologous Carbon Frameworks: Amphiphilic Surfactant Templating and Direct Transformation. <i>Angewandte Chemie</i> , 2005 , 117, 7215-7221	3.6	262
1	Ag ₂₄ Au cluster decorated mesoporous Co ₃ O ₄ for highly selective and efficient photothermal CO ₂ hydrogenation. <i>Nano Research</i> , 1	10	1