

# Dong Gu

## List of Publications by Citations

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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	Ordered mesoporous polymers and homologous carbon frameworks: amphiphilic surfactant templating and direct transformation. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 7053-9	16.4	1130
77	A Family of Highly Ordered Mesoporous Polymer Resin and Carbon Structures from Organic/Organic Self-Assembly. <i>Chemistry of Materials</i> , <b>2006</b> , 18, 4447-4464	9.6	931
76	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> , <b>2005</b> , 127, 13508-9	16.4	558
75	A low-concentration hydrothermal synthesis of biocompatible ordered mesoporous carbon nanospheres with tunable and uniform size. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 7987-91	16.4	543
74	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> , <b>2006</b> , 128, 11652-62	16.4	539
73	Two-dimensional mesoporous carbon nanosheets and their derived graphene nanosheets: synthesis and efficient lithium ion storage. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 1524-30	16.4	514
72	Synthesis of non-siliceous mesoporous oxides. <i>Chemical Society Reviews</i> , <b>2014</b> , 43, 313-44	58.5	445
71	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> , <b>2007</b> , 129, 1690-7	16.4	354
70	A Self-Template Strategy for the Synthesis of Mesoporous Carbon Nanofibers as Advanced Supercapacitor Electrodes. <i>Advanced Energy Materials</i> , <b>2011</b> , 1, 382-386	21.8	327
69	Controllable Synthesis of Mesoporous Peapod-like Co <sub>3</sub> O <sub>4</sub> @Carbon Nanotube Arrays for High-Performance Lithium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 7060-4	16.4	318
68	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> , <b>2011</b> , 133, 15830-3	16.4	268
67	Ordered Mesoporous Polymers and Homologous Carbon Frameworks: Amphiphilic Surfactant Templating and Direct Transformation. <i>Angewandte Chemie</i> , <b>2005</b> , 117, 7215-7221	3.6	262
66	An Aqueous Cooperative Assembly Route To Synthesize Ordered Mesoporous Carbons with Controlled Structures and Morphology. <i>Chemistry of Materials</i> , <b>2006</b> , 18, 5279-5288	9.6	226
65	Hierarchically Ordered Macro-/Mesoporous Silica Monolith: Tuning Macropore Entrance Size for Size-Selective Adsorption of Proteins. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 2176-2184	9.6	186
64	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> , <b>2015</b> , 137, 11407-18	16.4	175
63	One-step hydrothermal synthesis of ordered mesostructured carbonaceous monoliths with hierarchical porosities. <i>Chemical Communications</i> , <b>2008</b> , 2641-3	5.8	167
62	Synthesis and microwave absorption of uniform hematite nanoparticles and their core-shell mesoporous silica nanocomposites. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 6706		163

61	Cadmium imidazolate frameworks with polymorphism, high thermal stability, and a large surface area. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 1137-41	4.8	132
60	Nitrogen-Doped Ordered Mesoporous Carbon Supported Bimetallic PtCo Nanoparticles for Upgrading of Biophenolics. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 8850-5	16.4	124
59	Ligand-Assisted Assembly Approach to Synthesize Large-Pore Ordered Mesoporous Titania with Thermally Stable and Crystalline Framework. <i>Advanced Energy Materials</i> , <b>2011</b> , 1, 241-248	21.8	123
58	Controlled Synthesis and Functionalization of Ordered Large-Pore Mesoporous Carbons. <i>Advanced Functional Materials</i> , <b>2010</b> , 20, 3658-3665	15.6	117
57	Formation of mesoporous carbon with a face-centered-cubic Fd3m structure and bimodal architectural pores from the reverse amphiphilic triblock copolymer PPO-PEO-PPO. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 1089-93	16.4	112
56	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> , <b>2008</b> , 20, 7281-7286	9.6	108
55	An aqueous emulsion route to synthesize mesoporous carbon vesicles and their nanocomposites. <i>Advanced Materials</i> , <b>2010</b> , 22, 833-7	24	103
54	Microwave absorption enhancement and electron microscopy characterization of BaTiO <sub>3</sub> nano-torus. <i>Nanoscale</i> , <b>2011</b> , 3, 3860-7	7.7	102
53	Mesoporous carbon single-crystals from organic-organic self-assembly. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 7746-7	16.4	101
52	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> , <b>2009</b> , 21, 3996-4005	9.6	93
51	Thick wall mesoporous carbons with a large pore structure templated from a weakly hydrophobic PEOBMA diblock copolymer. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 91-97		89
50	Dual-template synthesis of magnetically-separable hierarchically-ordered porous carbons by catalytic graphitization. <i>Carbon</i> , <b>2011</b> , 49, 3055-3064	10.4	81
49	A Low-Concentration Hydrothermal Synthesis of Biocompatible Ordered Mesoporous Carbon Nanospheres with Tunable and Uniform Size. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 8159-8163	3.6	81
48	Direct triblock-copolymer-templating synthesis of ordered nitrogen-containing mesoporous polymers. <i>Journal of Colloid and Interface Science</i> , <b>2010</b> , 342, 579-85	9.3	79
47	Co <sub>3</sub> O <sub>4</sub> Nanoparticles Supported on Mesoporous Carbon for Selective Transfer Hydrogenation of $\alpha$ -Unsaturated Aldehydes. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 11101-5	16.4	78
46	Gold on Different Manganese Oxides: Ultra-Low-Temperature CO Oxidation over Colloidal Gold Supported on Bulk-MnO <sub>2</sub> Nanomaterials. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 9572-80	16.4	73
45	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> , <b>2009</b> , 5, 2738-49	11	69
44	Direct Synthesis of Controllable Microstructures of Thermally Stable and Ordered Mesoporous Crystalline Titanium Oxides and Carbide/Carbon Composites. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 1760-1767	9.6	68

43	Growth of Single-Crystal Mesoporous Carbons with Im3 m Symmetry. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 4828-4833	9.6	66
42	Ordered mesoporous Cu <sub>2</sub> TeO <sub>4</sub> catalysts for CO preferential oxidation in H <sub>2</sub> -rich gases: Influence of copper content and pretreatment conditions. <i>Applied Catalysis B: Environmental</i> , <b>2014</b> , 152-153, 11-18	21.8	58
41	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> , <b>2010</b> , 20, 1691		55
40	Uniform 2 nm gold nanoparticles supported on iron oxides as active catalysts for CO oxidation reaction: structure-activity relationship. <i>Nanoscale</i> , <b>2015</b> , 7, 4920-8	7.7	47
39	Large pore mesostructured cellular silica foam coated magnetic oxide composites with multilamellar vesicle shells for adsorption. <i>Chemical Communications</i> , <b>2014</b> , 50, 713-5	5.8	39
38	Controllable Synthesis of Mesoporous Peapod-like Co <sub>3</sub> O <sub>4</sub> @Carbon Nanotube Arrays for High-Performance Lithium-Ion Batteries. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 7166-7170	3.6	39
37	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> , <b>2018</b> , 11, 2083-2090	8.3	37
36	Catalytic decomposition of methane to produce hydrogen: A review. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 58, 415-430	12	35
35	Surface-Casting Synthesis of Mesoporous Zirconia with a CMK-5-Like Structure and High Surface Area. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 11222-11225	16.4	33
34	Synthesis of Ordered Mesoporous Carbon Materials with Semi-Graphitized Walls via Direct In-situ Silica-Confined Thermal Decomposition of CH <sub>4</sub> and Their Hydrogen Storage Properties. <i>Topics in Catalysis</i> , <b>2009</b> , 52, 12-26	2.3	33
33	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> , <b>2010</b> , 130, 26-31	5.3	32
32	Nickel based oxide film formed in molten salts for efficient electrocatalytic oxygen evolution. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 10514-10522	13	29
31	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> , <b>2017</b> , 56, 9597-9602	16.4	26
30	Template-Free Electrochemical Formation of Silicon Nanotubes from Silica. <i>Advanced Science</i> , <b>2020</b> , 7, 2001492	13.6	25
29	Interfacial confinement of Ni-V <sub>2</sub> O <sub>3</sub> in molten salts for enhanced electrocatalytic hydrogen evolution. <i>Journal of Energy Chemistry</i> , <b>2020</b> , 50, 280-285	12	25
28	Co <sub>3</sub> O <sub>4</sub> Nanoparticles Supported on Mesoporous Carbon for Selective Transfer Hydrogenation of $\alpha$ -Unsaturated Aldehydes. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 11267-11271	3.6	25
27	Thermoelectrochemical formation of Fe/Fe <sub>3</sub> C@hollow N-doped carbon in molten salts for enhanced catalysis. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 4800-4806	13	24
26	Influence of preparation method and doping of zirconium oxide onto the material characteristics and catalytic activity for the HDO reaction in nickel on zirconium oxide catalysts. <i>Journal of Catalysis</i> , <b>2018</b> , 365, 367-375	7.3	22

25	Controllable conversion of rice husks to Si/C and SiC/C composites in molten salts. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 55, 102-107	12	21
24	In Situ X-ray Diffraction Study of Co <sub>3</sub> Al Nanocomposites as Catalysts for Ammonia Decomposition. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 17102-17110	3.8	20
23	An unusual example of morphology controlled periodic mesoporous organosilica single crystals. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 6460		20
22	One-step molten-salt synthesis of anatase/rutile bi-phase TiO <sub>2</sub> @MoS <sub>2</sub> hierarchical photocatalysts for enhanced solar-driven hydrogen generation. <i>Applied Surface Science</i> , <b>2020</b> , 507, 145072	6.7	19
21	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> , <b>2007</b> , 119, 1107-1111	3.6	18
20	A novel approach to the construction of 3-D ordered macrostructures with polyhedral particles. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 408-415		17
19	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> , <b>2011</b> , 21, 17371		16
18	Synthesis of monodispersed ultrafine Bi <sub>2</sub> S <sub>3</sub> nanocrystals. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 9382-9386	5.7	16
17	High surface area black TiO <sub>2</sub> templated from ordered mesoporous carbon for solar driven hydrogen evolution. <i>Microporous and Mesoporous Materials</i> , <b>2018</b> , 268, 162-169	5.3	14
16	Bio-oil upgrading via vapor-phase ketonization over nanostructured FeO <sub>x</sub> and MnO <sub>x</sub> : catalytic performance and mechanistic insight. <i>Biomass Conversion and Biorefinery</i> , <b>2017</b> , 7, 319-329	2.3	13
15	Nitrogen-Doped Ordered Mesoporous Carbon Supported Bimetallic PtCo Nanoparticles for Upgrading of Biophenolics. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 8996-9001	3.6	13
14	Recent progress on functional mesoporous materials as catalysts in organic synthesis. <i>Emergent Materials</i> , <b>2020</b> , 3, 247-266	3.5	11
13	Versatile Preparation of Mesoporous Single-Layered Transition-Metal Sulfide/Carbon Composites for Enhanced Sodium Storage. <i>Advanced Materials</i> , <b>2021</b> , e2104427	24	11
12	Surface-Casting Synthesis of Mesoporous Zirconia with a CMK-5-Like Structure and High Surface Area. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 11374-11377	3.6	8
11	Advanced electron microscopy characterization for pore structure of mesoporous materials; a study of FDU-16 and FDU-18. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 13664		8
10	Effect of reduction-oxidation treatment on structure and catalytic properties of ordered mesoporous Cu <sub>2</sub> MgAl composite oxides. <i>Science Bulletin</i> , <b>2015</b> , 60, 1108-1113	10.6	7
9	A "teardown" method to create large mesotunnels on the pore walls of ordered mesoporous silica. <i>Journal of Colloid and Interface Science</i> , <b>2008</b> , 328, 338-43	9.3	7
8	Effects of K and Mn promoters over Fe <sub>2</sub> O <sub>3</sub> on Fischer-Tropsch synthesis. <i>Journal of Energy Chemistry</i> , <b>2020</b> , 47, 118-127	12	7

7	Tracking the Active Catalyst for Iron-Based Ammonia Decomposition by In Situ Synchrotron Diffraction Studies. <i>ChemCatChem</i> , <b>2018</b> , 10, 4465-4472	5-2	7
6	High-resolution electron microscopy study of mesoporous dichalcogenides and their hydrogen storage properties. <i>Nanotechnology</i> , <b>2011</b> , 22, 075702	3-4	4
5	Recent progress of mesoporous carbons applied in electrochemical catalysis. <i>New Carbon Materials</i> , <b>2022</b> , 37, 152-179	4-4	2
4	In Situ Synthesis of CuN /Mesoporous N-Doped Carbon for Selective Oxidative Crosscoupling of Terminal Alkynes under Mild Conditions.. <i>Small</i> , <b>2021</b> , e2105178	11	2
3	Ordered mesoporous polymers and polymer-silica anocomposites. <i>Studies in Surface Science and Catalysis</i> , <b>2007</b> , 170, 1721-1733	1.8	1
2	Highly Ordered Mesoporous Cobalt Oxide as Heterogeneous Catalyst for Aerobic Oxidative Aromatization of N-Heterocycles. <i>ChemCatChem</i> , <b>2021</b> , 13, 3679-3686	5-2	1
1	Ag <sub>24</sub> Au cluster decorated mesoporous Co <sub>3</sub> O <sub>4</sub> for highly selective and efficient photothermal CO <sub>2</sub> hydrogenation. <i>Nano Research</i> ,1	10	1