Dongyuan Zhao

List of Publications by Year
in descending order

694 papers	101,629 citations	115 163 h-index	291 293 g-index
746 all docs	746 docs citations	746 times ranked	61120 citing authors

#	Article	IF	Citations
1	Nonionic Triblock and Star Diblock Copolymer and Oligomeric Surfactant Syntheses of Highly Ordered, Hydrothermally Stable, Mesoporous Silica Structures. Journal of the American Chemical Society, 1998, 120, 6024-6036.	13.7	6,320
2	Carbon Materials for Chemical Capacitive Energy Storage. Advanced Materials, 2011, 23, 4828-4850.	21.0	2,593
3	Generalized syntheses of large-pore mesoporous metal oxides with semicrystalline frameworks. Nature, 1998, 396, 152-155.	27.8	2,408
4	On the Controllable Soft-Templating Approach to Mesoporous Silicates. Chemical Reviews, 2007, 107, 2821-2860.	47.7	2,164
5	Superparamagnetic High-Magnetization Microspheres with an Fe₃O₄@SiO₂ Core and Perpendicularly Aligned Mesoporous SiO₂ Shell for Removal of Microcystins. Journal of the American Chemical Society, 2008, 130, 28-29.	13.7	1,588
6	Ordered Mesoporous Polymers and Homologous Carbon Frameworks: Amphiphilic Surfactant Templating and Direct Transformation. Angewandte Chemie - International Edition, 2005, 44, 7053-7059.	13.8	1,218
7	Block Copolymer Templating Syntheses of Mesoporous Metal Oxides with Large Ordering Lengths and Semicrystalline Framework. Chemistry of Materials, 1999, 11, 2813-2826.	6.7	1,111
8	Morphological Control of Highly Ordered Mesoporous Silica SBA-15. Chemistry of Materials, 2000, 12, 275-279.	6.7	1,069
9	Mesoporous materials for energy conversion and storage devices. Nature Reviews Materials, 2016, 1, .	48.7	1,031
10	A Family of Highly Ordered Mesoporous Polymer Resin and Carbon Structures from Organicâ^'Organic Self-Assembly. Chemistry of Materials, 2006, 18, 4447-4464.	6.7	1,005
11	Multifunctional Mesoporous Composite Microspheres with Well-Designed Nanostructure: A Highly Integrated Catalyst System. Journal of the American Chemical Society, 2010, 132, 8466-8473.	13.7	887
12	Ordered Mesoporous Black TiO₂ as Highly Efficient Hydrogen Evolution Photocatalyst. Journal of the American Chemical Society, 2014, 136, 9280-9283.	13.7	878
13	A Controllable Synthesis of Rich Nitrogenâ€Doped Ordered Mesoporous Carbon for CO₂ Capture and Supercapacitors. Advanced Functional Materials, 2013, 23, 2322-2328.	14.9	861
14	Highly Waterâ€Dispersible Biocompatible Magnetite Particles with Low Cytotoxicity Stabilized by Citrate Groups. Angewandte Chemie - International Edition, 2009, 48, 5875-5879.	13.8	856
15	General Oriented Formation of Carbon Nanotubes from Metalâ€"Organic Frameworks. Journal of the American Chemical Society, 2017, 139, 8212-8221.	13.7	777
16	Mesocellular Siliceous Foams with Uniformly Sized Cells and Windows. Journal of the American Chemical Society, 1999, 121, 254-255.	13.7	772
17	Extension of The StÃ¶ber Method to the Preparation of Monodisperse Resorcinolâ€"Formaldehyde Resin Polymer and Carbon Spheres. Angewandte Chemie - International Edition, 2011, 50, 5947-5951.	13.8	745
18	Molecule Self-Assembly Synthesis of Porous Few-Layer Carbon Nitride for Highly Efficient Photoredox Catalysis. Journal of the American Chemical Society, 2019, 141, 2508-2515.	13.7	685

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19	Doubleâ€Shelled CoMn₂O₄ Hollow Microcubes as Highâ€Capacity Anodes for Lithiumâ€Ion Batteries. Advanced Materials, 2012, 24, 745-748.	21.0	665
20	Biphase Stratification Approach to Three-Dimensional Dendritic Biodegradable Mesoporous Silica Nanospheres. Nano Letters, 2014, 14, 923-932.	9.1	639
21	Highly Ordered Mesoporous Bioactive Glasses with Superior In Vitro Bone-Forming Bioactivities. Angewandte Chemie - International Edition, 2004, 43, 5980-5984.	13.8	613
22	A Lowâ€Concentration Hydrothermal Synthesis of Biocompatible Ordered Mesoporous Carbon Nanospheres with Tunable and Uniform Size. Angewandte Chemie - International Edition, 2010, 49, 7987-7991.	13.8	608
23	Two-Dimensional Mesoporous Carbon Nanosheets and Their Derived Graphene Nanosheets: Synthesis and Efficient Lithium Ion Storage. Journal of the American Chemical Society, 2013, 135, 1524-1530.	13.7	591
24	A Facile Aqueous Route to Synthesize Highly Ordered Mesoporous Polymers and Carbon Frameworks withla3Ì„dBicontinuous Cubic Structure. Journal of the American Chemical Society, 2005, 127, 13508-13509.	13.7	588
25	Triconstituent Co-assembly to Ordered Mesostructured Polymerâˆ’Silica and Carbonâˆ’Silica Nanocomposites and Large-Pore Mesoporous Carbons with High Surface Areas. Journal of the American Chemical Society, 2006, 128, 11652-11662.	13.7	579
26	Ordered mesoporous materials as adsorbents. Chemical Communications, 2011, 47, 3332.	4.1	561
27	Strategies for developing transition metal phosphides as heterogeneous electrocatalysts for water splitting. Nano Today, 2017, 15, 26-55.	11.9	560
28	A facile soft-template synthesis of mesoporous polymeric and carbonaceous nanospheres. Nature Communications, 2013, 4, .	12.8	555
29	Lab on upconversion nanoparticles: optical properties and applications engineering via designed nanostructure. Chemical Society Reviews, 2015, 44, 1346-1378.	38.1	532
30	Intricate Hollow Structures: Controlled Synthesis and Applications in Energy Storage and Conversion. Advanced Materials, 2017, 29, 1602914.	21.0	523
31	Graphitic Carbon Conformal Coating of Mesoporous TiO₂ Hollow Spheres for High-Performance Lithium Ion Battery Anodes. Journal of the American Chemical Society, 2015, 137, 13161-13166.	13.7	518
32	Carbon Nanodots Featuring Efficient FRET for Realâ€Time Monitoring of Drug Delivery and Twoâ€Photon Imaging. Advanced Materials, 2013, 25, 6569-6574.	21.0	494
33	Highly Efficient Adsorption of Bulky Dye Molecules in Wastewater on Ordered Mesoporous Carbons. Chemistry of Materials, 2009, 21, 706-716.	6.7	493
34	Cubic Mesoporous Silica with Large Controllable Entrance Sizes and Advanced Adsorption Properties. Angewandte Chemie - International Edition, 2003, 42, 3146-3150.	13.8	487
35	Emerging trends in porous materials for CO₂capture and conversion. Chemical Society Reviews, 2020, 49, 4360-4404.	38.1	473
36	Fabrication of Ag@SiO₂@Y₂O₃:Er Nanostructures for Bioimaging: Tuning of the Upconversion Fluorescence with Silver Nanoparticles. Journal of the American Chemical Society, 2010, 132, 2850-2851.	13.7	463

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37	High-Performance Ionic Diode Membrane for Salinity Gradient Power Generation. Journal of the American Chemical Society, 2014, 136, 12265-12272.	13.7	462
38	Evaluating Pore Sizes in Mesoporous Materials:Â A Simplified Standard Adsorption Method and a Simplified Broekhoffâ˜de Boer Method. Langmuir, 1999, 15, 5403-5409.	3.5	456
39	Self-adjusted synthesis of ordered stable mesoporous minerals by acidâ€“base pairs. Nature Materials, 2003, 2, 159-163.	27.5	445
40	Simple and Green Synthesis of Nitrogenâ€Doped Photoluminescent Carbonaceous Nanospheres for Bioimaging. Angewandte Chemie - International Edition, 2013, 52, 8151-8155.	13.8	430
41	Supramolecular Aggregates as Templates: Ordered Mesoporous Polymers and Carbons. Chemistry of Materials, 2008, 20, 932-945.	6.7	415
42	A Perspective on Mesoporous TiO₂ Materials. Chemistry of Materials, 2014, 26, 287-298.	6.7	413
43	Hexagonal to Mesocellular Foam Phase Transition in Polymer-Templated Mesoporous Silicas. Langmuir, 2000, 16, 8291-8295.	3.5	404
44	A Versatile Kinetics-Controlled Coating Method To Construct Uniform Porous TiO₂ Shells for Multifunctional Coreâ€“Shell Structures. Journal of the American Chemical Society, 2012, 134, 11864-11867.	13.7	403
45	Large-pore ordered mesoporous materials templated from non-Pluronic amphiphilic block copolymers. Chemical Society Reviews, 2013, 42, 4054-4070.	38.1	403
46	Alumination and Ion Exchange of Mesoporous SBA-15 Molecular Sieves. Chemistry of Materials, 1999, 11, 1621-1627.	6.7	393
47	Controlled Sn-Doping in TiO₂ Nanowire Photoanodes with Enhanced Photoelectrochemical Conversion. Nano Letters, 2012, 12, 1503-1508.	9.1	390
48	Versatile Nanoemulsion Assembly Approach to Synthesize Functional Mesoporous Carbon Nanospheres with Tunable Pore Sizes and Architectures. Journal of the American Chemical Society, 2019, 141, 7073-7080.	13.7	388
49	Strongly Acidic and High-Temperature Hydrothermally Stable Mesoporous Aluminosilicates with Ordered Hexagonal Structure. Angewandte Chemie - International Edition, 2001, 40, 1258-1262.	13.8	378
50	Ordered Mesoporous Silicas and Carbons with Large Accessible Pores Templated from Amphiphilic Diblock Copolymer Poly(ethylene oxide)-b-polystyrene. Journal of the American Chemical Society, 2007, 129, 1690-1697.	13.7	377
51	Uniform yolk-shell iron sulfideâ€“carbon nanospheres for superior sodiumâ€“iron sulfide batteries. Nature Communications, 2015, 6, 8689.	12.8	374
52	Ultrathin PEGylated W₁₈O₄₉ Nanowires as a New 980 nmâ€Laserâ€Driven Photothermal Agent for Efficient Ablation of Cancer Cells In Vivo. Advanced Materials, 2013, 25, 2095-2100.	21.0	370
53	General synthesis of complex nanotubes by gradient electrospinning and controlled pyrolysis. Nature Communications, 2015, 6, 7402.	12.8	370
54	â€œHostâ˜Guestâ€•Chemistry in the Synthesis of Ordered Nonsiliceous Mesoporous Materials. Accounts of Chemical Research, 2006, 39, 423-432.	15.6	360

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55	Mesoporous Multifunctional Upconversion Luminescent and Magnetic â€œNanorattleâ€•Materials for Targeted Chemotherapy. Nano Letters, 2012, 12, 61-67.	9.1	360
56	A Selfâ€Template Strategy for the Synthesis of Mesoporous Carbon Nanofibers as Advanced Supercapacitor Electrodes. Advanced Energy Materials, 2011, 1, 382-386.	19.5	359
57	Anisotropic Growth-Induced Synthesis of Dual-Compartment Janus Mesoporous Silica Nanoparticles for Bimodal Triggered Drugs Delivery. Journal of the American Chemical Society, 2014, 136, 15086-15092.	13.7	357
58	Controllable Synthesis of Mesoporous Peapodâ€like Co₃O₄@Carbon Nanotube Arrays for Highâ€Performance Lithiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2015, 54, 7060-7064.	13.8	355
59	Functional Nanoporous Graphene Foams with Controlled Pore Sizes. Advanced Materials, 2012, 24, 4419-4423.	21.0	350
60	Solâ€"Gel Design Strategy for Ultradispersed TiO₂ Nanoparticles on Graphene for High-Performance Lithium Ion Batteries. Journal of the American Chemical Society, 2013, 135, 18300-18303.	13.7	348
61	Facile synthesis of porous carbon nitride spheres with hierarchical three-dimensional mesostructures for CO2 capture. Nano Research, 2010, 3, 632-642.	10.4	347
62	Complex silica composite nanomaterials templated with DNA origami. Nature, 2018, 559, 593-598.	27.8	346
63	Mesoporous Aluminosilicates with Ordered Hexagonal Structure, Strong Acidity, and Extraordinary Hydrothermal Stability at High Temperatures. Journal of the American Chemical Society, 2001, 123, 5014-5021.	13.7	343
64	A comprehensive study on KOH activation of ordered mesoporous carbons and their supercapacitor application. Journal of Materials Chemistry, 2012, 22, 93-99.	6.7	343
65	Amorphous TiO₂ Shells: A Vital Elastic Buffering Layer on Silicon Nanoparticles for Highâ€Performance and Safe Lithium Storage. Advanced Materials, 2017, 29, 1700523.	21.0	342
66	Uniform Nanostructured Arrays of Sodium Rareâ€Earth Fluorides for Highly Efficient Multicolor Upconversion Luminescence. Angewandte Chemie - International Edition, 2007, 46, 7976-7979.	13.8	341
67	LiNi_{0.5}Mn_{1.5}O₄ Hollow Structures as Highâ€Performance Cathodes for Lithiumâ€Ion Batteries. Angewandte Chemie - International Edition, 2012, 51, 239-241.	13.8	340
68	Ordered Mesoporous Pd/Silicaâˆ'Carbon as a Highly Active Heterogeneous Catalyst for Coupling Reaction of Chlorobenzene in Aqueous Media. Journal of the American Chemical Society, 2009, 131, 4541-4550.	13.7	339
69	Porous Co3O4 materials prepared by solid-state thermolysis of a novel Co-MOF crystal and their superior energy storage performances for supercapacitors. Journal of Materials Chemistry A, 2013, 1, 7235.	10.3	335
70	X-ray-activated persistent luminescence nanomaterials for NIR-II imaging. Nature Nanotechnology, 2021, 16, 1011-1018.	31.5	335
71	Nitrogen-containing carbon spheres with very large uniform mesopores: The superior electrode materials for EDLC in organic electrolyte. Carbon, 2007, 45, 1757-1763.	10.3	330
72	Ordered mesoporous non-oxide materials. Chemical Society Reviews, 2011, 40, 3854.	38.1	328

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73	The in-vitro bioactivity of mesoporous bioactive glasses. Biomaterials, 2006, 27, 3396-3403.	11.4	327
74	Incorporation of Titanium into Mesoporous Silica Molecular Sieve SBA-15. Chemistry of Materials, 1999, 11, 3680-3686.	6.7	324
75	General and Controllable Synthesis of Novel Mesoporous Magnetic Iron Oxide@Carbon Encapsulates for Efficient Arsenic Removal. Advanced Materials, 2012, 24, 485-491.	21.0	312
76	Nonionic Block Copolymer Synthesis of Large-Pore Cubic Mesoporous Single Crystals by Use of Inorganic Salts. Journal of the American Chemical Society, 2002, 124, 4556-4557.	13.7	311
77	Morphology Development of Mesoporous Materials:â€‰ a Colloidal Phase Separation Mechanism. Chemistry of Materials, 2004, 16, 889-898.	6.7	306
78	Synthesis of mesoporous carbon spheres with a hierarchical pore structure for the electrochemical double-layer capacitor. Carbon, 2011, 49, 1248-1257.	10.3	302
79	Spatially Confined Fabrication of Coreâ€“Shell Gold Nanocages@Mesoporous Silica for Near-Infrared Controlled Photothermal Drug Release. Chemistry of Materials, 2013, 25, 3030-3037.	6.7	302
80	Facile Synthesis and Characterization of Novel Mesoporous and Mesorelief Oxides with Gyroidal Structures. Journal of the American Chemical Society, 2004, 126, 865-875.	13.7	297
81	Designed synthesis of mesoporous solids via nonionic-surfactant-templating approach. Chemical Communications, 2007, , 897-926.	4.1	297
82	Highly Ordered Mesoporous Silica Films with Perpendicular Mesochannels by a Simple StÃ¶berâ€Solution Growth Approach. Angewandte Chemie - International Edition, 2012, 51, 2173-2177.	13.8	291
83	One-Step Synthesis and Assembly of Copper Sulfide Nanoparticles to Nanowires, Nanotubes, and Nanovesicles by a Simple Organic Amine-Assisted Hydrothermal Process. Nano Letters, 2002, 2, 725-728.	9.1	288
84	Highly Specific Enrichment of Glycopeptides Using Boronic Acid-Functionalized Mesoporous Silica. Analytical Chemistry, 2009, 81, 503-508.	6.5	287
85	Direct Imaging the Upconversion Nanocrystal Core/Shell Structure at the Subnanometer Level: Shell Thickness Dependence in Upconverting Optical Properties. Nano Letters, 2012, 12, 2852-2858.	9.1	287
86	Highly Ordered Mesoporous Crystalline MoSe₂ Material with Efficient Visibleâ€Lightâ€Driven Photocatalytic Activity and Enhanced Lithium Storage Performance. Advanced Functional Materials, 2013, 23, 1832-1838.	14.9	285
87	Synthesis of Core/Shell Colloidal Magnetic Zeolite Microspheres for the Immobilization of Trypsin. Advanced Materials, 2009, 21, 1377-1382.	21.0	281
88	Achieving High-Performance Room-Temperature Sodiumâ€“Sulfur Batteries With S@Interconnected Mesoporous Carbon Hollow Nanospheres. Journal of the American Chemical Society, 2016, 138, 16576-16579.	13.7	280
89	Hydrothermal Etching Assisted Crystallization: A Facile Route to Functional Yolk-Shell Titanate Microspheres with Ultrathin Nanosheets-Assembled Double Shells. Journal of the American Chemical Society, 2011, 133, 15830-15833.	13.7	278
90	Triblock-Copolymer-Directed Syntheses of Large-Pore Mesoporous Silica Fibers. Chemistry of Materials, 1998, 10, 2033-2036.	6.7	277

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91	Successive Layer-by-Layer Strategy for Multi-Shell Epitaxial Growth: Shell Thickness and Doping Position Dependence in Upconverting Optical Properties. Chemistry of Materials, 2013, 25, 106-112.	6.7	277
92	Fabrication of Ordered Porous Structures by Self-Assembly of Zeolite Nanocrystals. Journal of the American Chemical Society, 2000, 122, 3530-3531.	13.7	274
93	New Insight into the Synthesis of Large-Pore Ordered Mesoporous Materials. Journal of the American Chemical Society, 2017, 139, 1706-1713.	13.7	274
94	General Strategy to Synthesize Uniform Mesoporous TiO₂/Graphene/Mesoporous TiO₂ Sandwich-Like Nanosheets for Highly Reversible Lithium Storage. Nano Letters, 2015, 15, 2186-2193.	9.1	273
95	Understanding Effect of Wall Structure on the Hydrothermal Stability of Mesostructured Silica SBA-15. Journal of Physical Chemistry B, 2005, 109, 8723-8732.	2.6	270
96	Extension of the StÃ¶ber Method to Construct Mesoporous SiO₂ and TiO₂ Shells for Uniform Multifunctional Coreâ€“Shell Structures. Advanced Materials, 2013, 25, 142-149.	21.0	270
97	Single-band upconversion nanoprobes for multiplexed simultaneous in situ molecular mapping of cancer biomarkers. Nature Communications, 2015, 6, 6938.	12.8	269
98	An overview of the synthesis of ordered mesoporous materials. Chemical Communications, 2013, 49, 943-946.	4.1	263
99	Porous Carbon Composites for Next Generation Rechargeable Lithium Batteries. Advanced Energy Materials, 2017, 7, 1700283.	19.5	263
100	Mesoporous titania: From synthesis to application. Nano Today, 2012, 7, 344-366.	11.9	260
101	Highly Reversible and Large Lithium Storage in Mesoporous Si/C Nanocomposite Anodes with Silicon Nanoparticles Embedded in a Carbon Framework. Advanced Materials, 2014, 26, 6749-6755.	21.0	260
102	Coreâ€“shell structured titanium dioxide nanomaterials for solar energy utilization. Chemical Society Reviews, 2018, 47, 8203-8237.	38.1	258
103	Nitrogen enriched mesoporous carbon spheres obtained by a facile method and its application for electrochemical capacitor. Electrochemistry Communications, 2007, 9, 569-573.	4.7	255
104	Free-Standing Mesoporous Carbon Thin Films with Highly Ordered Pore Architectures for Nanodevices. Journal of the American Chemical Society, 2011, 133, 15148-15156.	13.7	255
105	Ordered Mesoporous Materials Based on Interfacial Assembly and Engineering. Advanced Materials, 2013, 25, 5129-5152.	21.0	254
106	Synthesis of 2Dâ€Mesoporousâ€Carbon/MoS₂ Heterostructures with Wellâ€Defined Interfaces for Highâ€Performance Lithiumâ€Ion Batteries. Advanced Materials, 2016, 28, 9385-9390.	21.0	253
107	Low-Temperature Strategy to Synthesize Highly Ordered Mesoporous Silicas with Very Large Pores. Journal of the American Chemical Society, 2005, 127, 10794-10795.	13.7	251
108	Highly Ordered Mesoporous Tungsten Oxides with a Large Pore Size and Crystalline Framework for H₂S Sensing. Angewandte Chemie - International Edition, 2014, 53, 9035-9040.	13.8	250

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109	Highly ordered large caged cubic mesoporous silica structures templated by triblock PEOâ€“PBOâ€“PEO copolymer. Chemical Communications, 2000, , 575-576.	4.1	245
110	Role of Nanoparticle Mechanical Properties in Cancer Drug Delivery. ACS Nano, 2019, 13, 7410-7424.	14.6	243
111	Uniform Ordered Two-Dimensional Mesoporous TiO₂ Nanosheets from Hydrothermal-Induced Solvent-Confined Monomicelle Assembly. Journal of the American Chemical Society, 2018, 140, 4135-4143.	13.7	242
112	New faces of porous Prussian blue: interfacial assembly of integrated hetero-structures for sensing applications. Chemical Society Reviews, 2015, 44, 7997-8018.	38.1	240
113	An Interface Coassembly in Biliquid Phase: Toward Coreâ€“Shell Magnetic Mesoporous Silica Microspheres with Tunable Pore Size. Journal of the American Chemical Society, 2015, 137, 13282-13289.	13.7	239
114	An Aqueous Cooperative Assembly Route To Synthesize Ordered Mesoporous Carbons with Controlled Structures and Morphology. Chemistry of Materials, 2006, 18, 5279-5288.	6.7	238
115	A Facile Multi-interface Transformation Approach to Monodisperse Multiple-Shelled Periodic Mesoporous Organosilica Hollow Spheres. Journal of the American Chemical Society, 2015, 137, 7935-7944.	13.7	238
116	Yolk-shell silicon-mesoporous carbon anode with compact solid electrolyte interphase film for superior lithium-ion batteries. Nano Energy, 2015, 18, 133-142.	16.0	238
117	Controllable and Repeatable Synthesis of Thermally Stable Anatase Nanocrystalâˆ’Silica Composites with Highly Ordered Hexagonal Mesostructures. Journal of the American Chemical Society, 2007, 129, 13894-13904.	13.7	233
118	Pt Nanoparticles Sensitized Ordered Mesoporous WO₃ Semiconductor: Gas Sensing Performance and Mechanism Study. Advanced Functional Materials, 2018, 28, 1705268.	14.9	231
119	A General Chelate-Assisted Co-Assembly to Metallic Nanoparticles-Incorporated Ordered Mesoporous Carbon Catalysts for Fischerâ€“Tropsch Synthesis. Journal of the American Chemical Society, 2012, 134, 17653-17660.	13.7	227
120	Organic NIR-II molecule with long blood half-life for in vivo dynamic vascular imaging. Nature Communications, 2020, 11, 3102.	12.8	226
121	Doped Mesoporous Silica Fibers: A New Laser Material. Advanced Materials, 1999, 11, 632-636.	21.0	225
122	An Interfaceâ€Induced Coâ€Assembly Approach Towards Ordered Mesoporous Carbon/Graphene Aerogel for Highâ€Performance Supercapacitors. Advanced Functional Materials, 2015, 25, 526-533.	14.9	222
123	Monodisperse and homogeneous SiO /C microspheres: A promising high-capacity and durable anode material for lithium-ion batteries. Energy Storage Materials, 2018, 13, 112-118.	18.0	222
124	Filtration Shell Mediated Power Density Independent Orthogonal Excitationsâ€“Emissions Upconversion Luminescence. Angewandte Chemie - International Edition, 2016, 55, 2464-2469.	13.8	219
125	Immobilization of enzymes in mesoporous materials: controlling the entrance to nanospace. Microporous and Mesoporous Materials, 2004, 73, 121-128.	4.4	218
126	Synthesis of nitrogen-doped hollow carbon nanospheres for CO₂capture. Chemical Communications, 2014, 50, 329-331.	4.1	215

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127	Nitrogen-doped ordered mesoporous carbons based on cyanamide as the dopant for supercapacitor. Carbon, 2015, 84, 335-346.	10.3	210
128	Ordered Mesoporous Platinum@Graphitic Carbon Embedded Nanophase as a Highly Active, Stable, and Methanol-Tolerant Oxygen Reduction Electrocatalyst. Journal of the American Chemical Society, 2012, 134, 2236-2245.	13.7	208
129	Single-micelle-directed synthesis of mesoporous materials. Nature Reviews Materials, 2019, 4, 775-791.	48.7	208
130	Facile Synthesis of Hierarchically Porous Carbons from Dual Colloidal Crystal/Block Copolymer Template Approach. Chemistry of Materials, 2007, 19, 3271-3277.	6.7	207
131	Facile Synthesis of Uniform Virus-like Mesoporous Silica Nanoparticles for Enhanced Cellular Internalization. ACS Central Science, 2017, 3, 839-846.	11.3	207
132	Dumbbellâ€Shaped Biâ€component Mesoporous Janus Solid Nanoparticles for Biphasic Interface Catalysis. Angewandte Chemie - International Edition, 2017, 56, 8459-8463.	13.8	204
133	One-Step Nanocasting Synthesis of Highly Ordered Single Crystalline Indium Oxide Nanowire Arrays from Mesostructured Frameworks. Journal of the American Chemical Society, 2003, 125, 4724-4725.	13.7	203
134	Comprehensive Study of Pore Evolution, Mesostructural Stability, and Simultaneous Surface Functionalization of Ordered Mesoporous Carbon (FDU-15) by Wet Oxidation as a Promising Adsorbent. Langmuir, 2010, 26, 10277-10286.	3.5	203
135	Hierarchically Ordered Macro-/Mesoporous Silica Monolith: Tuning Macropore Entrance Size for Size-Selective Adsorption of Proteins. Chemistry of Materials, 2011, 23, 2176-2184.	6.7	200
136	Mesoporous Tungsten Oxides with Crystalline Framework for Highly Sensitive and Selective Detection of Foodborne Pathogens. Journal of the American Chemical Society, 2017, 139, 10365-10373.	13.7	200
137	Facile strategy for controllable synthesis of stable mesoporous black TiO₂ hollow spheres with efficient solar-driven photocatalytic hydrogen evolution. Journal of Materials Chemistry A, 2016, 4, 7495-7502.	10.3	198
138	Shape, Size, and Phaseâ€Controlled Rareâ€Earth Fluoride Nanocrystals with Optical Upâ€Conversion Properties. Chemistry - A European Journal, 2009, 15, 11010-11019.	3.3	195
139	On the Origin of Helical Mesostructures. Journal of the American Chemical Society, 2006, 128, 10460-10466.	13.7	194
140	Nd3+ Sensitized Up/Down Converting Dual-Mode Nanomaterials for Efficient In-vitro and In-vivo Bioimaging Excited at 800â€...nm. Scientific Reports, 2013, 3, 3536.	3.3	188
141	Plasmolysis-Inspired Nanoengineering of Functional Yolkâ€“Shell Microspheres with Magnetic Core and Mesoporous Silica Shell. Journal of the American Chemical Society, 2017, 139, 15486-15493.	13.7	187
142	Hydrothermal Synthesis and Structural Characterization of Zeolite-like Structures Based on Gallium and Aluminum Germanates. Journal of the American Chemical Society, 1998, 120, 13389-13397.	13.7	186
143	Facile Synthesis of Yolkâ€“Shell Structured Inorganicâ€“Organic Hybrid Spheres with Ordered Radial Mesochannels. Advanced Materials, 2014, 26, 3741-3747.	21.0	181
144	Mesoporous Organosilica Hollow Nanoparticles: Synthesis and Applications. Advanced Materials, 2019, 31, e1707612.	21.0	179

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145	Mesotunnels on the Silica Wall of Ordered SBA-15 to Generate Three-Dimensional Large-Pore Mesoporous Networks. Journal of the American Chemical Society, 2001, 123, 12113-12114.	13.7	177
146	One-step hydrothermal synthesis of ordered mesostructured carbonaceous monoliths with hierarchical porosities. Chemical Communications, 2008, , 2641.	4.1	177
147	Highly efficient lanthanide upconverting nanomaterials: Progresses and challenges. Nano Today, 2013, 8, 643-676.	11.9	177
148	Anion Etching for Accessing Rapid and Deep Self-Reconstruction of Precatalysts for Water Oxidation. Matter, 2020, 3, 2124-2137.	10.0	177
149	Engineering Homogeneous Doping in Single Nanoparticle To Enhance Upconversion Efficiency. Nano Letters, 2014, 14, 3634-3639.	9.1	176
150	Synthesis and microwave absorption of uniform hematite nanoparticles and their core-shell mesoporous silica nanocomposites. Journal of Materials Chemistry, 2009, 19, 6706.	6.7	174
151	A Simple Melt Impregnation Method to Synthesize Ordered Mesoporous Carbon and Carbon Nanofiber Bundles with Graphitized Structure from Pitches. Journal of Physical Chemistry B, 2004, 108, 17320-17328.	2.6	173
152	Controlled Synthesis of Ordered Mesoporous Câˆ’TiO₂ Nanocomposites with Crystalline Titania Frameworks from Organicâˆ’Inorganicâˆ’Amphiphilic Coassembly. Chemistry of Materials, 2008, 20, 1140-1146.	6.7	173
153	Facile synthesis of mesoporous carbon nitrides using the incipient wetness method and the application as hydrogen adsorbent. Journal of Materials Chemistry, 2011, 21, 10801.	6.7	172
154	Synthesis of orthogonally assembled 3D cross-stacked metal oxide semiconducting nanowires. Nature Materials, 2020, 19, 203-211.	27.5	172
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