

Dongyuan Zhao

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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.

706 papers	85,416 citations	150 h-index	270 g-index
746 ext. papers	92,746 ext. citations	11.9 avg, IF	8.25 L-index

#	Paper	IF	Citations
706	Nonionic Triblock and Star Diblock Copolymer and Oligomeric Surfactant Syntheses of Highly Ordered, Hydrothermally Stable, Mesoporous Silica Structures. <i>Journal of the American Chemical Society</i> , 1998 , 120, 6024-6036	16.4	5794
705	Carbon materials for chemical capacitive energy storage. <i>Advanced Materials</i> , 2011 , 23, 4828-50	24	2273
704	Generalized syntheses of large-pore mesoporous metal oxides with semicrystalline frameworks. <i>Nature</i> , 1998 , 396, 152-155	50.4	2217
703	On the controllable soft-templating approach to mesoporous silicates. <i>Chemical Reviews</i> , 2007 , 107, 2821-60	68.1	2000
702	Superparamagnetic high-magnetization microspheres with an Fe ₃ O ₄ @SiO ₂ core and perpendicularly aligned mesoporous SiO ₂ shell for removal of microcystins. <i>Journal of the American Chemical Society</i> , 2008 , 130, 28-9	16.4	1459
701	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
700	Block Copolymer Templating Syntheses of Mesoporous Metal Oxides with Large Ordering Lengths and Semicrystalline Framework. <i>Chemistry of Materials</i> , 1999 , 11, 2813-2826	9.6	1011
699	Morphological Control of Highly Ordered Mesoporous Silica SBA-15. <i>Chemistry of Materials</i> , 2000 , 12, 275-279	9.6	979
698	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
697	Multifunctional mesoporous composite microspheres with well-designed nanostructure: a highly integrated catalyst system. <i>Journal of the American Chemical Society</i> , 2010 , 132, 8466-73	16.4	827
696	Mesoporous materials for energy conversion and storage devices. <i>Nature Reviews Materials</i> , 2016 , 1,	73.3	788
695	A Controllable Synthesis of Rich Nitrogen-Doped Ordered Mesoporous Carbon for CO ₂ Capture and Supercapacitors. <i>Advanced Functional Materials</i> , 2013 , 23, 2322-2328	15.6	783
694	Ordered mesoporous black TiO ₂ as highly efficient hydrogen evolution photocatalyst. <i>Journal of the American Chemical Society</i> , 2014 , 136, 9280-3	16.4	736
693	Mesocellular Siliceous Foams with Uniformly Sized Cells and Windows. <i>Journal of the American Chemical Society</i> , 1999 , 121, 254-255	16.4	712
692	Highly water-dispersible biocompatible magnetite particles with low cytotoxicity stabilized by citrate groups. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 5875-9	16.4	703
691	Extension of the Stober method to the preparation of monodisperse resorcinol-formaldehyde resin polymer and carbon spheres. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 5947-51	16.4	623
690	Double-shelled CoMn ₂ O ₄ hollow microcubes as high-capacity anodes for lithium-ion batteries. <i>Advanced Materials</i> , 2012 , 24, 745-8	24	618

- 689 General Oriented Formation of Carbon Nanotubes from Metal-Organic Frameworks. *Journal of the American Chemical Society*, **2017**, 139, 8212-8221 16.4 598
- 688 A facile aqueous route to synthesize highly ordered mesoporous polymers and carbon frameworks with Ia3d bicontinuous cubic structure. *Journal of the American Chemical Society*, **2005**, 127, 13508-9 16.4 558
- 687 A low-concentration hydrothermal synthesis of biocompatible ordered mesoporous carbon nanospheres with tunable and uniform size. *Angewandte Chemie - International Edition*, **2010**, 49, 7987-91 16.4 543
- 686 Triconstituent co-assembly to ordered mesostructured polymer-silica and carbon-silica nanocomposites and large-pore mesoporous carbons with high surface areas. *Journal of the American Chemical Society*, **2006**, 128, 11652-62 16.4 539
- 685 Highly ordered mesoporous bioactive glasses with superior in vitro bone-forming bioactivities. *Angewandte Chemie - International Edition*, **2004**, 43, 5980-4 16.4 535
- 684 Ordered mesoporous materials as adsorbents. *Chemical Communications*, **2011**, 47, 3332-8 5.8 515
- 683 Two-dimensional mesoporous carbon nanosheets and their derived graphene nanosheets: synthesis and efficient lithium ion storage. *Journal of the American Chemical Society*, **2013**, 135, 1524-30 16.4 514
- 682 Biphasic stratification approach to three-dimensional dendritic biodegradable mesoporous silica nanospheres. *Nano Letters*, **2014**, 14, 923-32 11.5 503
- 681 A facile soft-template synthesis of mesoporous polymeric and carbonaceous nanospheres. *Nature Communications*, **2013**, 4, 1742 17.4 475
- 680 Graphitic Carbon Conformal Coating of Mesoporous TiO₂ Hollow Spheres for High-Performance Lithium Ion Battery Anodes. *Journal of the American Chemical Society*, **2015**, 137, 13161-6 16.4 459
- 679 Highly Efficient Adsorption of Bulky Dye Molecules in Wastewater on Ordered Mesoporous Carbons. *Chemistry of Materials*, **2009**, 21, 706-716 9.6 457
- 678 Cubic mesoporous silica with large controllable entrance sizes and advanced adsorption properties. *Angewandte Chemie - International Edition*, **2003**, 42, 3146-50 16.4 446
- 677 Lab on upconversion nanoparticles: optical properties and applications engineering via designed nanostructure. *Chemical Society Reviews*, **2015**, 44, 1346-78 58.5 438
- 676 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, 2850-1 16.4 435
- 675 Carbon nanodots featuring efficient FRET for real-time monitoring of drug delivery and two-photon imaging. *Advanced Materials*, **2013**, 25, 6569-74 24 429
- 674 Intricate Hollow Structures: Controlled Synthesis and Applications in Energy Storage and Conversion. *Advanced Materials*, **2017**, 29, 1602914 24 424
- 673 Self-adjusted synthesis of ordered stable mesoporous minerals by acid-base pairs. *Nature Materials*, **2003**, 2, 159-63 27 418
- 672 Evaluating Pore Sizes in Mesoporous Materials: A Simplified Standard Adsorption Method and a Simplified Broekhoff-de Boer Method. *Langmuir*, **1999**, 15, 5403-5409 4 406

671	Molecule Self-Assembly Synthesis of Porous Few-Layer Carbon Nitride for Highly Efficient Photoredox Catalysis. <i>Journal of the American Chemical Society</i> , 2019 , 141, 2508-2515	16.4	397
670	Supramolecular Aggregates as Templates: Ordered Mesoporous Polymers and Carbons. <i>Chemistry of Materials</i> , 2008 , 20, 932-945	9.6	389
669	Simple and green synthesis of nitrogen-doped photoluminescent carbonaceous nanospheres for bioimaging. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 8151-5	16.4	378
668	Hexagonal to Mesocellular Foam Phase Transition in Polymer-Templated Mesoporous Silicas. <i>Langmuir</i> , 2000 , 16, 8291-8295	4	374
667	Strategies for developing transition metal phosphides as heterogeneous electrocatalysts for water splitting. <i>Nano Today</i> , 2017 , 15, 26-55	17.9	367
666	A Perspective on Mesoporous TiO ₂ Materials. <i>Chemistry of Materials</i> , 2014 , 26, 287-298	9.6	366
665	A versatile kinetics-controlled coating method to construct uniform porous TiO ₂ shells for multifunctional core-shell structures. <i>Journal of the American Chemical Society</i> , 2012 , 134, 11864-7	16.4	357
664	Alumination and Ion Exchange of Mesoporous SBA-15 Molecular Sieves. <i>Chemistry of Materials</i> , 1999 , 11, 1621-1627	9.6	356
663	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
662	Controlled Sn-doping in TiO ₂ nanowire photoanodes with enhanced photoelectrochemical conversion. <i>Nano Letters</i> , 2012 , 12, 1503-8	11.5	349
661	Strongly Acidic and High-Temperature Hydrothermally Stable Mesoporous Aluminosilicates with Ordered Hexagonal Structure. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 1258-1262	16.4	344
660	Large-pore ordered mesoporous materials templated from non-Pluronic amphiphilic block copolymers. <i>Chemical Society Reviews</i> , 2013 , 42, 4054-70	58.5	341
659	Mesoporous multifunctional upconversion luminescent and magnetic "nanorattle" materials for targeted chemotherapy. <i>Nano Letters</i> , 2012 , 12, 61-7	11.5	340
658	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
657	"Host-guest" chemistry in the synthesis of ordered nonsiliceous mesoporous materials. <i>Accounts of Chemical Research</i> , 2006 , 39, 423-32	24.3	327
656	Ultrathin PEGylated W ₁₈ O ₄₉ nanowires as a new 980 nm-laser-driven photothermal agent for efficient ablation of cancer cells in vivo. <i>Advanced Materials</i> , 2013 , 25, 2095-100	24	325
655	Mesoporous aluminosilicates with ordered hexagonal structure, strong acidity, and extraordinary hydrothermal stability at high temperatures. <i>Journal of the American Chemical Society</i> , 2001 , 123, 5014-21	16.4	325
654	Uniform nanostructured arrays of sodium rare-earth fluorides for highly efficient multicolor upconversion luminescence. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 7976-9	16.4	323

653	Uniform yolk-shell iron sulfide-carbon nanospheres for superior sodium-iron sulfide batteries. <i>Nature Communications</i> , 2015 , 6, 8689	17.4	322
652	High-performance ionic diode membrane for salinity gradient power generation. <i>Journal of the American Chemical Society</i> , 2014 , 136, 12265-72	16.4	322
651	General synthesis of complex nanotubes by gradient electrospinning and controlled pyrolysis. <i>Nature Communications</i> , 2015 , 6, 7402	17.4	320
650	Ordered mesoporous Pd/silica-carbon as a highly active heterogeneous catalyst for coupling reaction of chlorobenzene in aqueous media. <i>Journal of the American Chemical Society</i> , 2009 , 131, 4541-50	16.4	319
649	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
648	Functional nanoporous graphene foams with controlled pore sizes. <i>Advanced Materials</i> , 2012 , 24, 4419-23	16.4	316
647	Facile synthesis of porous carbon nitride spheres with hierarchical three-dimensional mesostructures for CO ₂ capture. <i>Nano Research</i> , 2010 , 3, 632-642	10	315
646	Sol-gel design strategy for ultradispersed TiO ₂ nanoparticles on graphene for high-performance lithium ion batteries. <i>Journal of the American Chemical Society</i> , 2013 , 135, 18300-3	16.4	313
645	LiNi(0.5)Mn(1.5)O ₄ hollow structures as high-performance cathodes for lithium-ion batteries. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 239-41	16.4	309
644	Nitrogen-containing carbon spheres with very large uniform mesopores: The superior electrode materials for EDLC in organic electrolyte. <i>Carbon</i> , 2007 , 45, 1757-1763	10.4	302
643	A comprehensive study on KOH activation of ordered mesoporous carbons and their supercapacitor application. <i>Journal of Materials Chemistry</i> , 2012 , 22, 93-99		299
642	Anisotropic growth-induced synthesis of dual-compartment Janus mesoporous silica nanoparticles for bimodal triggered drugs delivery. <i>Journal of the American Chemical Society</i> , 2014 , 136, 15086-92	16.4	298
641	Ordered mesoporous non-oxide materials. <i>Chemical Society Reviews</i> , 2011 , 40, 3854-78	58.5	296
640	Nonionic block copolymer synthesis of large-pore cubic mesoporous single crystals by use of inorganic salts. <i>Journal of the American Chemical Society</i> , 2002 , 124, 4556-7	16.4	296
639	Incorporation of Titanium into Mesoporous Silica Molecular Sieve SBA-15. <i>Chemistry of Materials</i> , 1999 , 11, 3680-3686	9.6	292
638	Porous Co ₃ O ₄ materials prepared by solid-state thermolysis of a novel Co-MOF crystal and their superior energy storage performances for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 7235	13	290
637	The in-vitro bioactivity of mesoporous bioactive glasses. <i>Biomaterials</i> , 2006 , 27, 3396-403	15.6	290
636	General and controllable synthesis of novel mesoporous magnetic iron oxide@carbon encapsulates for efficient arsenic removal. <i>Advanced Materials</i> , 2012 , 24, 485-91	24	283

- 635 Facile synthesis and characterization of novel mesoporous and mesorelief oxides with gyroidal structures. *Journal of the American Chemical Society*, **2004**, 126, 865-75 16.4 283
- 634 Designed synthesis of mesoporous solids via nonionic-surfactant-templating approach. *Chemical Communications*, **2007**, 897-926 5.8 279
- 633 Morphology Development of Mesoporous Materials: a Colloidal Phase Separation Mechanism. *Chemistry of Materials*, **2004**, 16, 889-898 9.6 279
- 632 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 11.5 278
- 631 Spatially Confined Fabrication of Core/Shell Gold Silica for Near-Infrared Controlled Photothermal Drug Release. *Chemistry of Materials*, **2013**, 25, 3030-3037 9.6 276
- 630 Synthesis of mesoporous carbon spheres with a hierarchical pore structure for the electrochemical double-layer capacitor. *Carbon*, **2011**, 49, 1248-1257 10.4 274
- 629 Highly specific enrichment of glycopeptides using boronic acid-functionalized mesoporous silica. *Analytical Chemistry*, **2009**, 81, 503-8 7.8 270
- 628 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, 15830-3 16.4 268
- 627 Amorphous TiO₂ Shells: A Vital Elastic Buffering Layer on Silicon Nanoparticles for High-Performance and Safe Lithium Storage. *Advanced Materials*, **2017**, 29, 1700523 24 265
- 626 Direct imaging the upconversion nanocrystal core/shell structure at the subnanometer level: shell thickness dependence in upconverting optical properties. *Nano Letters*, **2012**, 12, 2852-8 11.5 265
- 625 Ordered Mesoporous Polymers and Homologous Carbon Frameworks: Amphiphilic Surfactant Templating and Direct Transformation. *Angewandte Chemie*, **2005**, 117, 7215-7221 3.6 262
- 624 Synthesis of Core/Shell Colloidal Magnetic Zeolite Microspheres for the Immobilization of Trypsin. *Advanced Materials*, **2009**, 21, 1377-1382 24 259
- 623 Triblock-Copolymer-Directed Syntheses of Large-Pore Mesoporous Silica Fibers. *Chemistry of Materials*, **1998**, 10, 2033-2036 9.6 251
- 622 Highly Ordered Mesoporous Crystalline MoSe₂ Material with Efficient Visible-Light-Driven Photocatalytic Activity and Enhanced Lithium Storage Performance. *Advanced Functional Materials*, **2013**, 23, 1832-1838 15.6 249
- 621 General strategy to synthesize uniform mesoporous TiO₂/graphene/mesoporous TiO₂ sandwich-like nanosheets for highly reversible lithium storage. *Nano Letters*, **2015**, 15, 2186-93 11.5 248
- 620 Fabrication of Ordered Porous Structures by Self-Assembly of Zeolite Nanocrystals. *Journal of the American Chemical Society*, **2000**, 122, 3530-3531 16.4 247
- 619 Understanding effect of wall structure on the hydrothermal stability of mesostructured silica SBA-15. *Journal of Physical Chemistry B*, **2005**, 109, 8723-32 3.4 244
- 618 Single-band upconversion nanoprobe for multiplexed simultaneous in situ molecular mapping of cancer biomarkers. *Nature Communications*, **2015**, 6, 6938 17.4 241

617	Nitrogen enriched mesoporous carbon spheres obtained by a facile method and its application for electrochemical capacitor. <i>Electrochemistry Communications</i> , 2007 , 9, 569-573	5.1	241
616	Successive Layer-by-Layer Strategy for Multi-Shell Epitaxial Growth: Shell Thickness and Doping Position Dependence in Upconverting Optical Properties. <i>Chemistry of Materials</i> , 2013 , 25, 106-112	9.6	240
615	Extension of the Stober method to construct mesoporous SiO ₂ and TiO ₂ shells for uniform multifunctional core-shell structures. <i>Advanced Materials</i> , 2013 , 25, 142-9	24	237
614	Free-standing mesoporous carbon thin films with highly ordered pore architectures for nanodevices. <i>Journal of the American Chemical Society</i> , 2011 , 133, 15148-56	16.4	235
613	Highly ordered large caged cubic mesoporous silica structures templated by triblock PEOBBOPEO copolymer. <i>Chemical Communications</i> , 2000 , 575-576	5.8	235
612	Highly reversible and large lithium storage in mesoporous Si/C nanocomposite anodes with silicon nanoparticles embedded in a carbon framework. <i>Advanced Materials</i> , 2014 , 26, 6749-55	24	234
611	Complex silica composite nanomaterials templated with DNA origami. <i>Nature</i> , 2018 , 559, 593-598	50.4	233
610	Highly ordered mesoporous silica films with perpendicular mesochannels by a simple Stober-solution growth approach. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 2173-7	16.4	233
609	Low-temperature strategy to synthesize highly ordered mesoporous silicas with very large pores. <i>Journal of the American Chemical Society</i> , 2005 , 127, 10794-5	16.4	232
608	Mesoporous titania: From synthesis to application. <i>Nano Today</i> , 2012 , 7, 344-366	17.9	230
607	Ordered mesoporous materials based on interfacial assembly and engineering. <i>Advanced Materials</i> , 2013 , 25, 5129-52, 5128	24	226
606	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
605	Achieving High-Performance Room-Temperature Sodium-Sulfur Batteries With S@Interconnected Mesoporous Carbon Hollow Nanospheres. <i>Journal of the American Chemical Society</i> , 2016 , 138, 16576-16579	16.4	225
604	An overview of the synthesis of ordered mesoporous materials. <i>Chemical Communications</i> , 2013 , 49, 943-6	5.8	221
603	Versatile Nanoemulsion Assembly Approach to Synthesize Functional Mesoporous Carbon Nanospheres with Tunable Pore Sizes and Architectures. <i>Journal of the American Chemical Society</i> , 2019 , 141, 7073-7080	16.4	220
602	Synthesis of 2D-Mesoporous-Carbon/MoS Heterostructures with Well-Defined Interfaces for High-Performance Lithium-Ion Batteries. <i>Advanced Materials</i> , 2016 , 28, 9385-9390	24	218
601	New Insight into the Synthesis of Large-Pore Ordered Mesoporous Materials. <i>Journal of the American Chemical Society</i> , 2017 , 139, 1706-1713	16.4	216
600	Controllable and repeatable synthesis of thermally stable anatase nanocrystal-silica composites with highly ordered hexagonal mesostructures. <i>Journal of the American Chemical Society</i> , 2007 , 129, 13894-904	16.4	216

599	Highly ordered mesoporous tungsten oxides with a large pore size and crystalline framework for H ₂ S sensing. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 9035-40	16.4	215
598	An Interface Coassembly in Biliquid Phase: Toward Core-Shell Magnetic Mesoporous Silica Microspheres with Tunable Pore Size. <i>Journal of the American Chemical Society</i> , 2015 , 137, 13282-9	16.4	208
597	Immobilization of enzymes in mesoporous materials: controlling the entrance to nanospace. <i>Microporous and Mesoporous Materials</i> , 2004 , 73, 121-128	5.3	203
596	A general chelate-assisted co-assembly to metallic nanoparticles-incorporated ordered mesoporous carbon catalysts for Fischer-Tropsch synthesis. <i>Journal of the American Chemical Society</i> , 2012 , 134, 17653-60	16.4	202
595	Doped Mesoporous Silica Fibers: A New Laser Material. <i>Advanced Materials</i> , 1999 , 11, 632-636	24	201
594	An Interface-Induced Co-Assembly Approach Towards Ordered Mesoporous Carbon/Graphene Aerogel for High-Performance Supercapacitors. <i>Advanced Functional Materials</i> , 2015 , 25, 526-533	15.6	198
593	Yolk-shell silicon-mesoporous carbon anode with compact solid electrolyte interphase film for superior lithium-ion batteries. <i>Nano Energy</i> , 2015 , 18, 133-142	17.1	197
592	Emerging trends in porous materials for CO capture and conversion. <i>Chemical Society Reviews</i> , 2020 , 49, 4360-4404	58.5	196
591	Synthesis of nitrogen-doped hollow carbon nanospheres for CO ₂ capture. <i>Chemical Communications</i> , 2014 , 50, 329-31	5.8	196
590	A Facile Multi-interface Transformation Approach to Monodisperse Multiple-Shelled Periodic Mesoporous Organosilica Hollow Spheres. <i>Journal of the American Chemical Society</i> , 2015 , 137, 7935-44	16.4	195
589	One-step nanocasting synthesis of highly ordered single crystalline indium oxide nanowire arrays from mesostructured frameworks. <i>Journal of the American Chemical Society</i> , 2003 , 125, 4724-5	16.4	195
588	Ordered mesoporous platinum@graphitic carbon embedded nanophase as a highly active, stable, and methanol-tolerant oxygen reduction electrocatalyst. <i>Journal of the American Chemical Society</i> , 2012 , 134, 2236-45	16.4	193
587	Facile Synthesis of Hierarchically Porous Carbons from Dual Colloidal Crystal/Block Copolymer Template Approach. <i>Chemistry of Materials</i> , 2007 , 19, 3271-3277	9.6	193
586	Nitrogen-doped ordered mesoporous carbons based on cyanamide as the dopant for supercapacitor. <i>Carbon</i> , 2015 , 84, 335-346	10.4	192
585	Porous Carbon Composites for Next Generation Rechargeable Lithium Batteries. <i>Advanced Energy Materials</i> , 2017 , 7, 1700283	21.8	187
584	Filtration Shell Mediated Power Density Independent Orthogonal Excitations-Emissions Upconversion Luminescence. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 2464-9	16.4	186
583	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
582	New faces of porous Prussian blue: interfacial assembly of integrated hetero-structures for sensing applications. <i>Chemical Society Reviews</i> , 2015 , 44, 7997-8018	58.5	183

581	On the origin of helical mesostructures. <i>Journal of the American Chemical Society</i> , 2006 , 128, 10460-6	16.4	182
580	Comprehensive study of pore evolution, mesostructural stability, and simultaneous surface functionalization of ordered mesoporous carbon (FDU-15) by wet oxidation as a promising adsorbent. <i>Langmuir</i> , 2010 , 26, 10277-86	4	181
579	Core-shell structured titanium dioxide nanomaterials for solar energy utilization. <i>Chemical Society Reviews</i> , 2018 , 47, 8203-8237	58.5	180
578	Shape, size, and phase-controlled rare-Earth fluoride nanocrystals with optical up-conversion properties. <i>Chemistry - A European Journal</i> , 2009 , 15, 11010-9	4.8	175
577	Facile strategy for controllable synthesis of stable mesoporous black TiO ₂ hollow spheres with efficient solar-driven photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 7495-7502	13.3	173
576	Nd ³⁺ sensitized up/down converting dual-mode nanomaterials for efficient in-vitro and in-vivo bioimaging excited at 800 nm. <i>Scientific Reports</i> , 2013 , 3, 3536	4.9	171
575	Uniform Ordered Two-Dimensional Mesoporous TiO Nanosheets from Hydrothermal-Induced Solvent-Confined Monomicelle Assembly. <i>Journal of the American Chemical Society</i> , 2018 , 140, 4135-4143	16.4	170
574	One-step hydrothermal synthesis of ordered mesostructured carbonaceous monoliths with hierarchical porosities. <i>Chemical Communications</i> , 2008 , 2641-3	5.8	167
573	A Simple Melt Impregnation Method to Synthesize Ordered Mesoporous Carbon and Carbon Nanofiber Bundles with Graphitized Structure from Pitches. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 17320-17328	3.4	166
572	Hydrothermal Synthesis and Structural Characterization of Zeolite-like Structures Based on Gallium and Aluminum Germanates. <i>Journal of the American Chemical Society</i> , 1998 , 120, 13389-13397	16.4	166
571	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
570	Controlled Synthesis of Ordered Mesoporous TiO ₂ Nanocomposites with Crystalline Titania Frameworks from Organic-Inorganic Amphiphilic Coassembly. <i>Chemistry of Materials</i> , 2008 , 20, 1140-1148	9.6	163
569	Highly efficient lanthanide upconverting nanomaterials: Progresses and challenges. <i>Nano Today</i> , 2013 , 8, 643-676	17.9	162
568	Mesotunnels on the silica wall of ordered SBA-15 to generate three-dimensional large-pore mesoporous networks. <i>Journal of the American Chemical Society</i> , 2001 , 123, 12113-4	16.4	160
567	Pt Nanoparticles Sensitized Ordered Mesoporous WO ₃ Semiconductor: Gas Sensing Performance and Mechanism Study. <i>Advanced Functional Materials</i> , 2018 , 28, 1705268	15.6	160
566	Facile synthesis of yolk-shell structured inorganic-organic hybrid spheres with ordered radial mesochannels. <i>Advanced Materials</i> , 2014 , 26, 3741-7	24	158
565	Facile synthesis of mesoporous carbon nitrides using the incipient wetness method and the application as hydrogen adsorbent. <i>Journal of Materials Chemistry</i> , 2011 , 21, 10801		158
564	Facile Synthesis of Hierarchically Ordered Porous Carbon via in Situ Self-Assembly of Colloidal Polymer and Silica Spheres and Its Use as a Catalyst Support. <i>Chemistry of Materials</i> , 2010 , 22, 3433-3440	9.6	157

563	NIR-triggered release of caged nitric oxide using upconverting nanostructured materials. <i>Small</i> , 2012 , 8, 3800-5	11	154
562	Fluorescence upconversion microbarcodes for multiplexed biological detection: nucleic acid encoding. <i>Advanced Materials</i> , 2011 , 23, 3775-9	24	154
561	Dual-pore mesoporous carbon@silica composite core-shell nanospheres for multidrug delivery. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 5366-70	16.4	153
560	Core-shell Ag@SiO ₂ @mSiO ₂ mesoporous nanocarriers for metal-enhanced fluorescence. <i>Chemical Communications</i> , 2011 , 47, 11618-20	5.8	153
559	Rapid separation and purification of nanoparticles in organic density gradients. <i>Journal of the American Chemical Society</i> , 2010 , 132, 2333-7	16.4	153
558	Dumbbell-Shaped Bi-component Mesoporous Janus Solid Nanoparticles for Biphasic Interface Catalysis. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 8459-8463	16.4	152
557	Container effect in nanocasting synthesis of mesoporous metal oxides. <i>Journal of the American Chemical Society</i> , 2011 , 133, 14542-5	16.4	150
556	Controllable synthesis of SnO ₂ @C yolk-shell nanospheres as a high-performance anode material for lithium ion batteries. <i>Nanoscale</i> , 2014 , 6, 3217-22	7.7	149
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5 Destruction of Organics in Water via Iron Nanoparticles **2013**, 7-32

4 Photocatalysis at Nanostructured Titania for Sensing Applications **2013**, 33-65

3 Conclusions: Some Potential Future Nanotechnologies for Water Treatment **2013**, 301-311

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