Dongyuan Zhao

List of Publications by Year in Descending Order

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	Self-Assembly of Ir-Based Nanosheets with Ordered Interlayer Space for Enhanced Electrocatalytic Water Oxidation.. *Journal of the American Chemical Society*, **2022**,	16.4	9
705	Kinetics-Regulated Interfacial Selective Superassembly of Asymmetric Smart Nanovehicles with Tailored Topological Hollow Architectures.. *Angewandte Chemie - International Edition*, **2022**,	16.4	4
704	Making MXenes more energetic in aqueous battery. *Matter*, **2022**, 5, 8-10	12.7	5
703	Kinetics-Controlled Super-Assembly of Asymmetric Porous and Hollow Carbon Nanoparticles as Light-Sensitive Smart Nanovehicles.. *Journal of the American Chemical Society*, **2022**,	16.4	15
702	2D mesoporous materials.. *National Science Review*, **2022**, 9, nwab108	10.8	4
701	Superassembly of Surface-Enriched Ru Nanoclusters from Trapping-Bonding Strategy for Efficient Hydrogen Evolution.. *ACS Nano*, **2022**,	16.7	4
700	Modular super-assembly of hierarchical superstructures from monomicelle building blocks.. *Science Advances*, **2022**, 8, eabo0283	14.3	5
699	Unusual Mesoporous Titanium Niobium Oxides Realizing Sodium-Ion Batteries Operated at -40℃.. *Advanced Materials*, **2022**, e2202873	24	5
698	Spiral self-assembly of lamellar micelles into multi-shelled hollow nanospheres with unique chiral architecture. *Science Advances*, **2021**, 7, eabi7403	14.3	8
697	Hierarchically Porous Silica Membrane as Separator for High-Performance Lithium-Ion Batteries. *Advanced Materials*, **2021**, e2107957	24	8
696	Highly efficient (200) oriented MAPbI3 perovskite solar cells. *Chemical Engineering Journal*, **2021**, 433, 133845	14.7	4
695	Interfacial Assembly and Applications of Functional Mesoporous Materials. *Chemical Reviews*, **2021**, 121, 14349-14429	68.1	24
694	Core-Shell Structured Micro-Nanomotors: Construction, Shell Functionalization, Applications, and Perspectives. *Small*, **2021**, e2102887	11	7
693	Laser Cladding Induced Spherical Graphitic Phases by Super-Assembly of Graphene-Like Microstructures and the Antifriction Behavior. *ACS Central Science*, **2021**, 7, 318-326	16.8	1
692	NIR-II J-Aggregates Labelled Mesoporous Implant for Imaging-Guided Osteosynthesis with Minimal Invasion. *Advanced Functional Materials*, **2021**, 31, 2100656	15.6	4
691	Membrane Interactions of Virus-like Mesoporous Silica Nanoparticles. *ACS Nano*, **2021**, 15, 6787-6800	16.7	10
690	Ligand-Mediated Spatially Controllable Superassembly of Asymmetric Hollow Nanotadpoles with Fine-Tunable Cavity as Smart HO-Sensitive Nanoswimmers. *ACS Nano*, **2021**,	16.7	13

689	General Synthesis of Ultrafine Monodispersed Hybrid Nanoparticles from Highly Stable Monomicelles. *Advanced Materials*, **2021**, 33, e2100820	24	11
688	Precisely Controlled Vertical Alignment in Mesostructured Carbon Thin Films for Efficient Electrochemical Sensing. *ACS Nano*, **2021**, 15, 7713-7721	16.7	7
687	Sequential Superassembly of Nanofiber Arrays to Carbonaceous Ordered Mesoporous Nanowires and Their Heterostructure Membranes for Osmotic Energy Conversion. *Journal of the American Chemical Society*, **2021**, 143, 6922-6932	16.4	15
686	Programmable synthesis of radially gradient-structured mesoporous carbon nanospheres with tunable core-shell architectures. *CheM*, **2021**, 7, 1020-1032	16.2	25
685	Recent advances in TiO2-based catalysts for N2 reduction reaction. *SusMat*, **2021**, 1, 174-193		7
684	Inorganic-organic competitive coating strategy derived uniform hollow gradient-structured ferroferric oxide-carbon nanospheres for ultra-fast and long-term lithium-ion battery. *Nature Communications*, **2021**, 12, 2973	17.4	21
683	X-ray-activated persistent luminescence nanomaterials for NIR-II imaging. *Nature Nanotechnology*, **2021**, 16, 1011-1018	28.7	83
682	Imparting multi-functionality to covalent organic framework nanoparticles by the dual-ligand assistant encapsulation strategy. *Nature Communications*, **2021**, 12, 4556	17.4	14
681	Visible-Light Responsive TiO2-Based Materials for Efficient Solar Energy Utilization. *Advanced Energy Materials*, **2021**, 11, 2003303	21.8	36
680	Monodisperse Ultrahigh Nitrogen-Containing Mesoporous Carbon Nanospheres from Melamine-Formaldehyde Resin.. *Small Methods*, **2021**, 5, e2001137	12.8	16
679	Streamlined Mesoporous Silica Nanoparticles with Tunable Curvature from Interfacial Dynamic-Migration Strategy for Nanomotors. *Nano Letters*, **2021**, 21, 6071-6079	11.5	9
678	A hybrid erbium(III)-bacteriochlorin near-infrared probe for multiplexed biomedical imaging. *Nature Materials*, **2021**, 20, 1571-1578	27	29
677	Precisely Designed Mesoscopic Titania for High-Volumetric-Density Pseudocapacitance. *Journal of the American Chemical Society*, **2021**, 143, 14097-14105	16.4	2
676	Near-infrared manipulation of multiple neuronal populations via trichromatic upconversion. *Nature Communications*, **2021**, 12, 5662	17.4	18
675	Sulfur-Based Aqueous Batteries: Electrochemistry and Strategies. *Journal of the American Chemical Society*, **2021**, 143, 15475-15489	16.4	23
674	Quasi-solid-state self-assembly of 1D-branched ZnSe/ZnS quantum rods into parallel monorail-like continuous films for solar devices. *Nano Energy*, **2021**, 89, 106348	17.1	2
673	Synthesis of a durable and efficient superhydrophobic copper mesh coated by organosilica nano/microstructures for separating oil from water. *Surfaces and Interfaces*, **2021**, 27, 101464	4.1	0
672	Quantized doping of CdS quantum dots with twelve gold atoms. *Chemical Communications*, **2021**, 57, 6448-6451	5.8	0

671	Manipulating atomic defects in plasmonic vanadium dioxide for superior solar and thermal management. *Materials Horizons*, **2021**, 8, 1700-1710	14.4	4
670	Recent Progress of Porous Materials in Lithium-Metal Batteries. *Small Structures*, **2021**, 2, 2000118	8.7	31
669	Emerging trends in porous materials for CO capture and conversion. *Chemical Society Reviews*, **2020** , 49, 4360-4404	58.5	196
668	Organic NIR-II molecule with long blood half-life for in vivo dynamic vascular imaging. *Nature Communications*, **2020**, 11, 3102	17.4	112
667	Branched Mesoporous TiO2 Mesocrystals by Epitaxial Assembly of Micelles for Photocatalysis. *Cell Reports Physical Science*, **2020**, 1, 100081	6.1	4
666	Nano-spatially confined Pd□u bimetals in porous N-doped carbon as an electrocatalyst for selective denitrification. *Journal of Materials Chemistry A*, **2020**, 8, 9545-9553	13	14
665	FeNx and □Fe2O3 co-functionalized hollow graphitic carbon nanofibers for efficient oxygen reduction in an alkaline medium. *Journal of Materials Chemistry A*, **2020**, 8, 6076-6082	13	22
664	Stable Ti3+ Defects in Oriented Mesoporous Titania Frameworks for Efficient Photocatalysis. *Angewandte Chemie*, **2020**, 132, 17829-17836	3.6	8
663	Stable Ti Defects in Oriented Mesoporous Titania Frameworks for Efficient Photocatalysis. *Angewandte Chemie - International Edition*, **2020**, 59, 17676-17683	16.4	38
662	Mesoporous Silica Materials: Interfacial Assembly of Mesoporous Silica-Based Optical Heterostructures for Sensing Applications (Adv. Funct. Mater. 9/2020). *Advanced Functional Materials*, **2020**, 30, 2070057	15.6	5
661	Engine-Trailer-Structured Nanotrucks for Efficient Nano-Bio Interactions and Bioimaging-Guided Drug Delivery. *CheM*, **2020**, 6, 1097-1112	16.2	33
660	Recent advances in the synthesis of hierarchically mesoporous TiO materials for energy and environmental applications. *National Science Review*, **2020**, 7, 1702-1725	10.8	61
659	A Universal Lab-on-Salt-Particle Approach to 2D Single-Layer Ordered Mesoporous Materials. *Advanced Materials*, **2020**, 32, e1906653	24	19
658	Ensembles of Photonic Beads: Optical Properties and Enhanced Light□Matter Interactions. *Advanced Optical Materials*, **2020**, 8, 1901537	8.1	11
657	Size and charge dual-transformable mesoporous nanoassemblies for enhanced drug delivery and tumor penetration. *Chemical Science*, **2020**, 11, 2819-2827	9.4	34
656	Super-assembled core-shell mesoporous silica-metal-phenolic network nanoparticles for combinatorial photothermal therapy and chemotherapy. *Nano Research*, **2020**, 13, 1013-1019	10	35
655	Scalable Synthesis of Uniform Mesoporous Aluminosilicate Microspheres with Controllable Size and Morphology and High Hydrothermal Stability for Efficient Acid Catalysis. *ACS Applied Materials & Interfaces*, **2020**, 12, 21922-21935	9.5	9
654	Interfacial Assembly of Mesoporous Silica-Based Optical Heterostructures for Sensing Applications. *Advanced Functional Materials*, **2020**, 30, 1906950	15.6	33

653	Sequential Chemistry Toward Core-Shell Structured Metal Sulfides as Stable and Highly Efficient Visible-Light Photocatalysts. *Angewandte Chemie - International Edition*, **2020**, 59, 3287-3293	16.4	44
652	Sequential Chemistry Toward Core□Shell Structured Metal Sulfides as Stable and Highly Efficient Visible-Light Photocatalysts. *Angewandte Chemie*, **2020**, 132, 3313-3319	3.6	13
651	Three-Dimensional Hierarchical Porous Nanotubes Derived from Metal-Organic Frameworks for Highly Efficient Overall Water Splitting. *IScience*, **2020**, 23, 100761	6.1	19
650	Synthesis of orthogonally assembled 3D cross-stacked metal oxide semiconducting nanowires. *Nature Materials*, **2020**, 19, 203-211	27	79
649	Interfacial Assembly Directed Unique Mesoporous Architectures: From Symmetric to Asymmetric. *Accounts of Materials Research*, **2020**, 1, 100-114	7.5	17
648	Anion Etching for Accessing Rapid and Deep Self-Reconstruction of Precatalysts for Water Oxidation. *Matter*, **2020**, 3, 2124-2137	12.7	86
647	Highly dispersed Fe□e mixed oxide catalysts confined in mesochannels toward low-temperature oxidation of formaldehyde. *Journal of Materials Chemistry A*, **2020**, 8, 17174-17184	13	14
646	Hierarchy: from nature to artificial. *National Science Review*, **2020**, 7, 1623	10.8	4
645	Mesoporous Materials for Electrochemical Energy Storage and Conversion. *Advanced Energy Materials*, **2020**, 10, 2002152	21.8	65
644	Surface-Confined Winding Assembly of Mesoporous Nanorods. *Journal of the American Chemical Society*, **2020**,	16.4	7
643	An Aqueous Route Synthesis of Transition-Metal-Ions-Doped Quantum Dots by Bimetallic Cluster Building Blocks. *Journal of the American Chemical Society*, **2020**, 142, 16177-16181	16.4	5
642	Cephalopod-inspired versatile design based on plasmonic VO2 nanoparticle for energy-efficient mechano-thermochromic windows. *Nano Energy*, **2020**, 73, 104785	17.1	42
641	Artificial Blood Vessel Frameworks from 3D Printing-Based Super-Assembly as In Vitro Models for Early Diagnosis of Intracranial Aneurysms. *Chemistry of Materials*, **2020**, 32, 3188-3198	9.6	5
640	Mass production of large-pore phosphorus-doped mesoporous carbon for fast-rechargeable lithium-ion batteries. *Energy Storage Materials*, **2019**, 22, 147-153	19.4	49
639	Macroscopic synthesis of ultrafine N□doped carbon nanofibers for superior capacitive energy storage. *Science Bulletin*, **2019**, 64, 1617-1624	10.6	44
638	Cementing Mesoporous ZnO with Silica for Controllable and Switchable Gas Sensing Selectivity. *Chemistry of Materials*, **2019**, 31, 8112-8120	9.6	31
637	Spherical Mesoporous Materials from Single to Multilevel Architectures. *Accounts of Chemical Research*, **2019**, 52, 2928-2938	24.3	81
636	Self-Assembled Nanoparticle Supertubes as Robust Platform for Revealing Long-Term, Multiscale Lithiation Evolution. *Matter*, **2019**, 1, 976-987	12.7	26

635	Defect-engineering of mesoporous TiO2 microspheres with phase junctions for efficient visible-light driven fuel production. *Nano Energy*, **2019**, 66, 104113	17.1	59
634	Two-Dimensional Mesoporous Heterostructure Delivering Superior Pseudocapacitive Sodium Storage via Bottom-Up Monomicelle Assembly. *Journal of the American Chemical Society*, **2019**, 141, 16755-16762	16.4	56
633	Surface-kinetics mediated mesoporous multipods for enhanced bacterial adhesion and inhibition. *Nature Communications*, **2019**, 10, 4387	17.4	40
632	Janus Mesoporous Sensor Devices for Simultaneous Multivariable Gases Detection. *Matter*, **2019**, 1, 1274-1284	12.7	23
631	Spray-drying water-based assembly of hierarchical and ordered mesoporous silica microparticles with enhanced pore accessibility for efficient bio-adsorption. *Journal of Colloid and Interface Science*, **2019**, 556, 529-540	9.3	10
630	Single-micelle-directed synthesis of mesoporous materials. *Nature Reviews Materials*, **2019**, 4, 775-791	73.3	118
629	One-dimensional CoS-MoS nano-flakes decorated MoO sub-micro-wires for synergistically enhanced hydrogen evolution. *Nanoscale*, **2019**, 11, 3500-3505	7.7	23
628	Novel Black BiVO4/TiO2 Photoanode with Enhanced Photon Absorption and Charge Separation for Efficient and Stable Solar Water Splitting. *Advanced Energy Materials*, **2019**, 9, 1901287	21.8	92
627	Ultrahigh Surface Area N-Doped Hierarchically Porous Carbon for Enhanced CO Capture and Electrochemical Energy Storage. *ChemSusChem*, **2019**, 12, 3541-3549	8.3	25
626	Confined Interfacial Monomicelle Assembly for Precisely Controlled Coating of Single-Layered Titania Mesopores. *Matter*, **2019**, 1, 527-538	12.7	50
625	Liquid–Solid Interfacial Assemblies of Soft Materials for Functional Freestanding Layered Membrane-Based Devices toward Electrochemical Energy Systems. *Advanced Energy Materials*, **2019**, 9, 1804005	21.8	12
624	sp-Hybridized Carbon-Containing Block Copolymer Templated Synthesis of Mesoporous Semiconducting Metal Oxides with Excellent Gas Sensing Property. *Accounts of Chemical Research*, **2019**, 52, 714-725	24.3	59
623	Superassembled Biocatalytic Porous Framework Micromotors with Reversible and Sensitive pH-Speed Regulation at Ultralow Physiological H2O2 Concentration. *Advanced Functional Materials*, **2019**, 29, 1808900	15.6	48
622	Synthesis of carbon nanotubes@mesoporous carbon core–shell structured electrocatalysts via a molecule-mediated interfacial co-assembly strategy. *Journal of Materials Chemistry A*, **2019**, 7, 8975-8983	13	36
621	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	16.4	220
620	Adaptive Thermochromic Windows from Active Plasmonic Elastomers. *Joule*, **2019**, 3, 858-871	27.8	76
619	Molecular Design Strategy for Ordered Mesoporous Stoichiometric Metal Oxide. *Angewandte Chemie*, **2019**, 131, 16010-16015	3.6	6
618	Molecular Design Strategy for Ordered Mesoporous Stoichiometric Metal Oxide. *Angewandte Chemie - International Edition*, **2019**, 58, 15863-15868	16.4	25

617	Manganese Oxide Nanoclusters for Skin Photoprotection.. *ACS Applied Bio Materials*, **2019**, 2, 3974-3982	4.1	0
616	Elemental Migration in Core/Shell Structured Lanthanide Doped Nanoparticles. *Chemistry of Materials*, **2019**, 31, 5608-5615	9.6	31
615	Role of Nanoparticle Mechanical Properties in Cancer Drug Delivery. *ACS Nano*, **2019**, 13, 7410-7424	16.7	131
614	Heterogeneous Contraction-Mediated Asymmetric Carbon Colloids **2019**, 1, 290-296		14
613	Interfacial Super-Assembled Porous CeO2/C Frameworks Featuring Efficient and Sensitive Decomposing Li2O2 for Smart Li□2 Batteries. *Advanced Energy Materials*, **2019**, 9, 1901751	21.8	53
612	Organosilica: Mesoporous Organosilica Hollow Nanoparticles: Synthesis and Applications (Adv. Mater. 38/2019). *Advanced Materials*, **2019**, 31, 1970273	24	3
611	Li□2 Batteries: Interfacial Super-Assembled Porous CeO2/C Frameworks Featuring Efficient and Sensitive Decomposing Li2O2 for Smart Li□2 Batteries (Adv. Energy Mater. 40/2019). *Advanced Energy Materials*, **2019**, 9, 1970157	21.8	2
610	Synthesis of uniform ordered mesoporous TiO microspheres with controllable phase junctions for efficient solar water splitting. *Chemical Science*, **2019**, 10, 1664-1670	9.4	82
609	Encapsulating highly crystallized mesoporous Fe3O4 in hollow N-doped carbon nanospheres for high-capacity long-life sodium-ion batteries. *Nano Energy*, **2019**, 56, 426-433	17.1	81
608	Pore Engineering of Mesoporous Tungsten Oxides for Ultrasensitive Gas Sensing. *Advanced Materials Interfaces*, **2019**, 6, 1801269	4.6	26
607	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	16.4	397
606	Polyionic Resin Supported Pd/Fe2O3Nanohybrids for Catalytic Hydrodehalogenation: Improved and Versatile Remediation for Toxic Pollutants. *Industrial & Engineering Chemistry Research*, **2019**, 58, 2159-2169	3.9	8
605	Yolk@Shell SiO /C microspheres with semi-graphitic carbon coating on the exterior and interior surfaces for durable lithium storage. *Energy Storage Materials*, **2019**, 19, 299-305	19.4	92
604	Mesoporous Organosilica Hollow Nanoparticles: Synthesis and Applications. *Advanced Materials*, **2019**, 31, e1707612	24	106
603	Catalyst-Free Epoxidation of Limonene to Limonene Dioxide. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 5115-5121	8.3	21
602	Uniform Ordered Two-Dimensional Mesoporous TiO Nanosheets from Hydrothermal-Induced Solvent-Confined Monomicelle Assembly. *Journal of the American Chemical Society*, **2018**, 140, 4135-4143	16.4	170
601	Mesoporous TiO/TiC@C Composite Membranes with Stable TiO-C Interface for Robust Lithium Storage. *IScience*, **2018**, 3, 149-160	6.1	36
600	Sensors: Pt Nanoparticles Sensitized Ordered Mesoporous WO3 Semiconductor: Gas Sensing Performance and Mechanism Study (Adv. Funct. Mater. 6/2018). *Advanced Functional Materials*, **2018**, 28, 1870040	15.6	5

599	High performance heterojunction photocatalytic membranes formed by embedding Cu2O and TiO2 nanowires in reduced graphene oxide. *Catalysis Science and Technology*, **2018**, 8, 1704-1711	5.5	18
598	Scalable synthesis of wrinkled mesoporous titania microspheres with uniform large micron sizes for efficient removal of Cr(VI). *Journal of Materials Chemistry A*, **2018**, 6, 3954-3966	13	38
597	Near-Infrared Triggered Decomposition of Nanocapsules with High Tumor Accumulation and Stimuli Responsive Fast Elimination. *Angewandte Chemie - International Edition*, **2018**, 57, 2611-2615	16.4	85
596	Highly Efficient Glycerol Acetalization over Supported Heteropoly Acid Catalysts. *ChemCatChem*, **2018**, 10, 1918-1925	5.2	25
595	Deformable Hollow Periodic Mesoporous Organosilica Nanocapsules for Significantly Improved Cellular Uptake. *Journal of the American Chemical Society*, **2018**, 140, 1385-1393	16.4	107
594	Ordered Mesoporous Tin Oxide Semiconductors with Large Pores and Crystallized Walls for High-Performance Gas Sensing. *ACS Applied Materials & Interfaces*, **2018**, 10, 1871-1880	9.5	63
593	A template-catalyzed in situ polymerization and co-assembly strategy for rich nitrogen-doped mesoporous carbon. *Journal of Materials Chemistry A*, **2018**, 6, 3162-3170	13	66
592	Fully printable hole-conductor-free mesoscopic perovskite solar cells based on mesoporous anatase single crystals. *New Journal of Chemistry*, **2018**, 42, 2669-2674	3.6	13
591	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	19.4	136
590	Surface functionalization and manipulation of mesoporous silica adsorbents for improved removal of pollutants: a review. *Environmental Science: Water Research and Technology*, **2018**, 4, 110-128	4.2	101
589	CoFe2O4 Nanocrystals Mediated Crystallization Strategy for Magnetic Functioned ZSM-5 Catalysts. *Advanced Functional Materials*, **2018**, 28, 1802088	15.6	10
588	Ultrafine SiOx/C nanospheres and their pomegranate-like assemblies for high-performance lithium storage. *Journal of Materials Chemistry A*, **2018**, 6, 14903-14909	13	71
587	Complex silica composite nanomaterials templated with DNA origami. *Nature*, **2018**, 559, 593-598	50.4	233
586	Spatial Isolation of Carbon and Silica in a Single Janus Mesoporous Nanoparticle with Tunable Amphiphilicity. *Journal of the American Chemical Society*, **2018**, 140, 10009-10015	16.4	80
585	Magnetic mesoporous TiO2 microspheres for sustainable arsenate removal from acidic environments. *Inorganic Chemistry Frontiers*, **2018**, 5, 2132-2139	6.8	9
584	Amphiphilic Block Copolymers Directed Interface Coassembly to Construct Multifunctional Microspheres with Magnetic Core and Monolayer Mesoporous Aluminosilicate Shell. *Advanced Materials*, **2018**, 30, e1800345	24	39
583	A vesicle-aggregation-assembly approach to highly ordered mesoporous □alumina microspheres with shifted double-diamond networks. *Chemical Science*, **2018**, 9, 7705-7714	9.4	14
582	Core-shell structured titanium dioxide nanomaterials for solar energy utilization. *Chemical Society Reviews*, **2018**, 47, 8203-8237	58.5	180

581	Sol-Gel Synthesis of Metal-Phenolic Coordination Spheres and Their Derived Carbon Composites. *Angewandte Chemie*, **2018**, 130, 9986-9991	3.6	22
580	Sol-Gel Synthesis of Metal-Phenolic Coordination Spheres and Their Derived Carbon Composites. *Angewandte Chemie - International Edition*, **2018**, 57, 9838-9843	16.4	69
579	Pt Nanoparticles Sensitized Ordered Mesoporous WO3 Semiconductor: Gas Sensing Performance and Mechanism Study. *Advanced Functional Materials*, **2018**, 28, 1705268	15.6	160
578	Hierarchically Ordered Nanochannel Array Membrane Reactor with Three-Dimensional Electrocatalytic Interfaces for Electrohydrogenation of CO2 to Alcohol. *ACS Energy Letters*, **2018**, 3, 2649-2655	20.1	10
577	Mesoporous carbon matrix confinement synthesis of ultrasmall WO3 nanocrystals for lithium ion batteries. *Journal of Materials Chemistry A*, **2018**, 6, 21550-21557	13	31
576	Mesoporous TiO2 Microspheres with Precisely Controlled Crystallites and Architectures. *CheM*, **2018**, 4, 2436-2450	16.2	38
575	Polyoxomolybdate-derived carbon-encapsulated multicomponent electrocatalysts for synergistically boosting hydrogen evolution. *Journal of Materials Chemistry A*, **2018**, 6, 17874-17881	13	23
574	Nanoscale zero-valent iron in mesoporous carbon (nZVI@C): stable nanoparticles for metal extraction and catalysis. *Journal of Materials Chemistry A*, **2017**, 5, 4478-4485	13	46
573	New Insight into the Synthesis of Large-Pore Ordered Mesoporous Materials. *Journal of the American Chemical Society*, **2017**, 139, 1706-1713	16.4	216
572	Intracellular and in Vivo Cyanide Mapping via Surface Plasmon Spectroscopy of Single Au-Ag Nanoboxes. *Analytical Chemistry*, **2017**, 89, 2583-2591	7.8	16
571	Near-Infrared-Activated Upconversion Nanoprobes for Sensitive Endogenous Zn Detection and Selective On-Demand Photodynamic Therapy. *Analytical Chemistry*, **2017**, 89, 3492-3500	7.8	36
570	Ordered Mesoporous Alumina with Ultra-Large Pores as an Efficient Absorbent for Selective Bioenrichment. *Chemistry of Materials*, **2017**, 29, 2211-2217	9.6	72
569	Nanoengineering of Core-Shell Magnetic Mesoporous Microspheres with Tunable Surface Roughness. *Journal of the American Chemical Society*, **2017**, 139, 4954-4961	16.4	113
568	X-ray standing wave enhanced scattering from mesoporous silica thin films. *Applied Physics Letters*, **2017**, 110, 041603	3.4	7
567	Intricate Hollow Structures: Controlled Synthesis and Applications in Energy Storage and Conversion. *Advanced Materials*, **2017**, 29, 1602914	24	424
566	Porous Carbon Composites for Next Generation Rechargeable Lithium Batteries. *Advanced Energy Materials*, **2017**, 7, 1700283	21.8	187
565	Dumbbell-Shaped Bi-component Mesoporous Janus Solid Nanoparticles for Biphasic Interface Catalysis. *Angewandte Chemie*, **2017**, 129, 8579-8583	3.6	23
564	Dumbbell-Shaped Bi-component Mesoporous Janus Solid Nanoparticles for Biphasic Interface Catalysis. *Angewandte Chemie - International Edition*, **2017**, 56, 8459-8463	16.4	152

563	Controllable Fabrication of Two-Dimensional Patterned VO Nanoparticle, Nanodome, and Nanonet Arrays with Tunable Temperature-Dependent Localized Surface Plasmon Resonance. *ACS Nano*, **2017**, 11, 7542-7551	16.7	107
562	Broadening microwave absorption via a multi-domain structure. *APL Materials*, **2017**, 5, 046104	5.7	20
561	General Oriented Formation of Carbon Nanotubes from Metal-Organic Frameworks. *Journal of the American Chemical Society*, **2017**, 139, 8212-8221	16.4	598
560	Mass Production of Monodisperse Carbon Microspheres with Size-Dependent Supercapacitor Performance via Aqueous Self-Catalyzed Polymerization. *ChemPlusChem*, **2017**, 82, 872-878	2.8	35
559	Degradation-Restructuring Induced Anisotropic Epitaxial Growth for Fabrication of Asymmetric Diblock and Triblock Mesoporous Nanocomposites. *Advanced Materials*, **2017**, 29, 1701652	24	39
558	Amorphous TiO Shells: A Vital Elastic Buffering Layer on Silicon Nanoparticles for High-Performance and Safe Lithium Storage. *Advanced Materials*, **2017**, 29, 1700523	24	265
557	Sandwich-structured TiO2 inverse opal circulates slow photons for tremendous improvement in solar energy conversion efficiency. *Journal of Materials Chemistry A*, **2017**, 5, 12803-12810	13	30
556	Mesoporous TiO@N-doped carbon composite nanospheres synthesized by the direct carbonization of surfactants after sol-gel process for superior lithium storage. *Nanoscale*, **2017**, 9, 1539-1546	7.7	50
555	Constructing Three-Dimensional Mesoporous Bouquet-Posy-like TiO Superstructures with Radially Oriented Mesochannels and Single-Crystal Walls. *Journal of the American Chemical Society*, **2017**, 139, 517-526	16.4	53
554	Plasmolysis-Inspired Nanoengineering of Functional Yolk-Shell Microspheres with Magnetic Core and Mesoporous Silica Shell. *Journal of the American Chemical Society*, **2017**, 139, 15486-15493	16.4	146
553	Unique hybrid NiP/MoO@MoS nanomaterials as bifunctional non-noble-metal electro-catalysts for water splitting. *Nanoscale*, **2017**, 9, 17349-17356	7.7	36
552	One-pot synthesis of Ni nanoparticle/ordered mesoporous carbon composite electrode materials for electrocatalytic reduction of aromatic ketones. *Nanoscale*, **2017**, 9, 17807-17813	7.7	9
551	Conformal Coating of Co/N-Doped Carbon Layers into Mesoporous Silica for Highly Efficient Catalytic Dehydrogenation-Hydrogenation Tandem Reactions. *Small*, **2017**, 13, 1702243	11	42
550	Mesoporous Silica Thin Membranes with Large Vertical Mesochannels for Nanosize-Based Separation. *Advanced Materials*, **2017**, 29, 1702274	24	65
549	Speed up the absorption of viscous crude oil spill by Joule-heated sorbent design. *Science China Chemistry*, **2017**, 60, 1113-1114	7.9	
548	Aerosol synthesis of trivalent titanium doped titania/carbon composite microspheres with superior sodium storage performance. *Nano Research*, **2017**, 10, 4351-4359	10	38
547	Strategies for developing transition metal phosphides as heterogeneous electrocatalysts for water splitting. *Nano Today*, **2017**, 15, 26-55	17.9	367
546	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	16.4	142

545	Phenyl-functionalized mesoporous silica materials for the rapid and efficient removal of phthalate esters. *Journal of Colloid and Interface Science*, **2017**, 487, 354-359	9.3	27
544	Magnetic mesoporous nanospheres anchored with LyP-1 as an efficient pancreatic cancer probe. *Biomaterials*, **2017**, 115, 9-18	15.6	37
543	Facile Synthesis of Uniform Virus-like Mesoporous Silica Nanoparticles for Enhanced Cellular Internalization. *ACS Central Science*, **2017**, 3, 839-846	16.8	140
542	Controlled Synthesis of Ordered Mesoporous Carbon-Cobalt Oxide Nanocomposites with Large Mesopores and Graphitic Walls. *Chemistry of Materials*, **2016**, 28, 7773-7780	9.6	57
541	A Micelle Fusion-Aggregation Assembly Approach to Mesoporous Carbon Materials with Rich Active Sites for Ultrasensitive Ammonia Sensing. *Journal of the American Chemical Society*, **2016**, 138, 12586-95	16.4	116
540	Enhanced sequestration of large-sized dissolved organic micropollutants in polymeric membranes incorporated with mesoporous carbon. *RSC Advances*, **2016**, 6, 81477-81484	3.7	5
539	Chelation-assisted soft-template synthesis of ordered mesoporous zinc oxides for low concentration gas sensing. *Journal of Materials Chemistry A*, **2016**, 4, 15064-15071	13	68
538	Achieving High-Performance Room-Temperature Sodium-Sulfur Batteries With S@Interconnected Mesoporous Carbon Hollow Nanospheres. *Journal of the American Chemical Society*, **2016**, 138, 16576-16579	16.4	225
537	Hierarchical ordered macro/mesoporous titania with a highly interconnected porous structure for efficient photocatalysis. *Journal of Materials Chemistry A*, **2016**, 4, 16446-16453	13	22
536	Direct Heating Amino Acids with Silica: A Universal Solvent-Free Assembly Approach to Highly Nitrogen-Doped Mesoporous Carbon Materials. *Advanced Functional Materials*, **2016**, 26, 6649-6661	15.6	60
535	Mesoporous materials for energy conversion and storage devices. *Nature Reviews Materials*, **2016**, 1,	73.3	788
534	Amphiphilic Block Copolymer Templated Synthesis of Mesoporous Indium Oxides with Nanosheet-Assembled Pore Walls. *Chemistry of Materials*, **2016**, 28, 7997-8005	9.6	59
533	Quasi-Continuously Tuning the Size of Graphene Quantum Dots via an Edge-Etching Mechanism. *MRS Advances*, **2016**, 1, 1459-1467	0.7	2
532	Filtration Shell Mediated Power Density Independent Orthogonal Excitations-Emissions Upconversion Luminescence. *Angewandte Chemie - International Edition*, **2016**, 55, 2464-9	16.4	186
531	Ordered, Highly Zeolitized Mesoporous Aluminosilicates Produced by a Gradient Acidic Assembly Growth Strategy in a Mixed Template System. *Chemistry of Materials*, **2016**, 28, 4859-4866	9.6	10
530	Capping agent-free highly dispersed noble metal nanoparticles supported in ordered mesoporous carbon with short channels and their catalytic applications. *RSC Advances*, **2016**, 6, 61064-61072	3.7	11
529	Ordered Macro/Mesoporous TiO2 Hollow Microspheres with Highly Crystalline Thin Shells for High-Efficiency Photoconversion. *Small*, **2016**, 12, 860-7	11	56
528	Template synthesis of metal tungsten nanowire bundles with high field electron emission performance. *RSC Advances*, **2016**, 6, 62668-62674	3.7	6

527	Ordered mesoporous silica/polyvinylidene fluoride composite membranes for effective removal of water contaminants. *Journal of Materials Chemistry A*, **2016**, 4, 3850-3857	13	22
526	Grand Challenges in Chemistry for 2016 and Beyond. *ACS Central Science*, **2016**, 2, 1-3	16.8	8
525	Hollow TiO2 porous microspheres composed of well-crystalline nanocrystals for high-performance lithium-ion batteries. *Nano Research*, **2016**, 9, 165-173	10	58
524	The dual roles of functional groups in the photoluminescence of graphene quantum dots. *Nanoscale*, **2016**, 8, 7449-58	7.7	97
523	Synthesis of Ordered Mesoporous Silica with Tunable Morphologies and Pore Sizes via a Nonpolar Solvent-Assisted Stber Method. *Chemistry of Materials*, **2016**, 28, 2356-2362	9.6	131
522	Reduction of plutonium in acidic solutions by mesoporous carbons. *Journal of Radioanalytical and Nuclear Chemistry*, **2016**, 307, 2593-2601	1.5	10
521	A facile biliquid-interface co-assembly synthesis of mesoporous vesicles with large pore sizes. *CrystEngComm*, **2016**, 18, 4343-4348	3.3	9
520	Preparation of mesoporous TiO2 composites as an advanced Ni catalyst support for reduction of 4-nitrophenol. *New Journal of Chemistry*, **2016**, 40, 4200-4205	3.6	18
519	Incorporation of well-dispersed sub-5-nm graphitic pencil nanodots into ordered mesoporous frameworks. *Nature Chemistry*, **2016**, 8, 171-8	17.6	128
518	Coreshell Silicon@Mesoporous TiO2 Heterostructure: Towards Solar-Powered Photoelectrochemical Conversion. *ChemNanoMat*, **2016**, 2, 647-651	3.5	4
517	Facile Fabrication of Dendritic Mesoporous SiO2@CdTe@SiO2 Fluorescent Nanoparticles for Bioimaging. *Particle and Particle Systems Characterization*, **2016**, 33, 261-270	3.1	26
516	Scalable synthesis of mesoporous titania microspheres via spray-drying method. *Journal of Colloid and Interface Science*, **2016**, 479, 150-159	9.3	21
515	Preparation of Secondary Mesopores in Mesoporous Anatasesilica Nanocomposites with Unprecedented-High Photocatalytic Degradation Performances. *Advanced Functional Materials*, **2016**, 26, 964-976	15.6	29
514	Filtration Shell Mediated Power Density Independent Orthogonal Excitationsemissions Upconversion Luminescence. *Angewandte Chemie*, **2016**, 128, 2510-2515	3.6	33
513	Periodic Mesoporous Organosilica Nanocubes with Ultrahigh Surface Areas for Efficient CO Adsorption. *Scientific Reports*, **2016**, 6, 20769	4.9	43
512	Direct Superassemblies of Freestanding Metal-Carbon Frameworks Featuring Reversible Crystalline-Phase Transformation for Electrochemical Sodium Storage. *Journal of the American Chemical Society*, **2016**, 138, 16533-16541	16.4	97
511	A versatile in situ etching-growth strategy for synthesis of yolkshell structured periodic mesoporous organosilica nanocomposites. *RSC Advances*, **2016**, 6, 51470-51479	3.7	15
510	Carbon functionalized mesoporous silica-based gas sensors for indoor volatile organic compounds. *Journal of Colloid and Interface Science*, **2016**, 477, 54-63	9.3	20

509	Asymmetrically porous anion exchange membranes with an ultrathin selective layer for rapid acid recovery. *Journal of Membrane Science*, **2016**, 510, 437-446	9.6	18
508	Surfactant-templating strategy for ultrathin mesoporous TiO2 coating on flexible graphitized carbon supports for high-performance lithium-ion battery. *Nano Energy*, **2016**, 25, 80-90	17.1	90
507	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	13	173
506	Synthesis of Monodisperse Mesoporous TiO2 Nanospheres from a Simple Double-Surfactant Assembly-Directed Method for Lithium Storage. *ACS Applied Materials & Interfaces*, **2016**, 8, 25586-94	9.5	22
505	Synthesis of 2D-Mesoporous-Carbon/MoS Heterostructures with Well-Defined Interfaces for High-Performance Lithium-Ion Batteries. *Advanced Materials*, **2016**, 28, 9385-9390	24	218
504	Ordered Mesoporous Carbonaceous Materials with Tunable Surface Property for Enrichment of Hexachlorobenzene. *Langmuir*, **2016**, 32, 9922-9929	4	18
503	A Quasi-Solid-State Li-Ion Capacitor Based on Porous TiO Hollow Microspheres Wrapped with Graphene Nanosheets. *Small*, **2016**, 12, 6207-6213	11	99
502	Interfacial engineering of magnetic particles with porous shells: Towards magnetic core–Porous shell microparticles. *Nano Today*, **2016**, 11, 464-482	17.9	53
501	Supercapacitors: An Interface-Induced Co-Assembly Approach Towards Ordered Mesoporous Carbon/Graphene Aerogel for High-Performance Supercapacitors (Adv. Funct. Mater. 4/2015). *Advanced Functional Materials*, **2015**, 25, 651-651	15.6	5
500	Magnetic yolk–shell mesoporous silica microspheres with supported Au nanoparticles as recyclable high-performance nanocatalysts. *Journal of Materials Chemistry A*, **2015**, 3, 4586-4594	13	118
499	Magnetic yolk-shell structured anatase-based microspheres loaded with Au nanoparticles for heterogeneous catalysis. *Nano Research*, **2015**, 8, 238-245	10	58
498	TiO2 interpenetrating networks decorated with SnO2 nanocrystals: enhanced activity of selective catalytic reduction of NO with NH3. *Journal of Materials Chemistry A*, **2015**, 3, 1405-1409	13	17
497	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
496	Preparation of a mesoporous Cu–Mn/TiO2 composite for the degradation of Acid Red 1. *Journal of Materials Chemistry A*, **2015**, 3, 7399-7405	13	20
495	Branched artificial nanofinger arrays by mesoporous interfacial atomic rearrangement. *Journal of the American Chemical Society*, **2015**, 137, 4260-6	16.4	29
494	New faces of porous Prussian blue: interfacial assembly of integrated hetero-structures for sensing applications. *Chemical Society Reviews*, **2015**, 44, 7997-8018	58.5	183
493	Ultradispersed Palladium Nanoparticles in Three-Dimensional Dendritic Mesoporous Silica Nanospheres: Toward Active and Stable Heterogeneous Catalysts. *ACS Applied Materials & Interfaces*, **2015**, 7, 17450-9	9.5	92
492	Synthesis of Mesoporous Silica/Reduced Graphene Oxide Sandwich-Like Sheets with Enlarged and Tunneling-Mesochannels. *Chemistry of Materials*, **2015**, 27, 5577-5586	9.6	36

491	A graphene-directed assembly route to hierarchically porous CoNx/C catalysts for high-performance oxygen reduction. *Journal of Materials Chemistry A*, **2015**, 3, 16867-16873	13	135
490	An Interface Coassembly in Biliquid Phase: Toward Core-Shell Magnetic Mesoporous Silica Microspheres with Tunable Pore Size. *Journal of the American Chemical Society*, **2015**, 137, 13282-9	16.4	208
489	Incorporation of Al3+ ions to promote the stabilization effect of (NH4)2SiF6 treatment on the hydrothermal stability of mesoporous SBA-15 zeolite. *Chinese Journal of Catalysis*, **2015**, 36, 1001-1008	11.3	1
488	Anisotropic encapsulation-induced synthesis of asymmetric single-hole mesoporous nanocages. *Journal of the American Chemical Society*, **2015**, 137, 5903-6	16.4	142
487	Single-band upconversion nanoprobes for multiplexed simultaneous in situ molecular mapping of cancer biomarkers. *Nature Communications*, **2015**, 6, 6938	17.4	241
486	Controllable Synthesis of Mesoporous Peapod-like Co3O4@Carbon Nanotube Arrays for High-Performance Lithium-Ion Batteries. *Angewandte Chemie - International Edition*, **2015**, 54, 7060-4	16.4	318
485	Sub-5 nm porous nanocrystals: interfacial site-directed growth on graphene for efficient biocatalysis. *Chemical Science*, **2015**, 6, 4029-4034	9.4	18
484	Mesoporous silica nanoparticles for glutathione-triggered long-range and stable release of hydrogen sulfide. *Journal of Materials Chemistry B*, **2015**, 3, 4451-4457	7.3	24
483	Plasmonic Silver Supercrystals with Ultrasmall Nanogaps for Ultrasensitive SERS-Based Molecule Detection. *Advanced Optical Materials*, **2015**, 3, 404-411	8.1	51
482	Controllable synthesis of mesoporous carbon nanospheres and Fe-N/carbon nanospheres as efficient oxygen reduction electrocatalysts. *Nanoscale*, **2015**, 7, 6247-54	7.7	93
481	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
480	Distinct Packings of Supramolecular Building Blocks in Metal-Organic Frameworks Based on Imidazoledicarboxylic Acid. *Inorganic Chemistry*, **2015**, 54, 9678-80	5.1	16
479	Yolk-shell silicon-mesoporous carbon anode with compact solid electrolyte interphase film for superior lithium-ion batteries. *Nano Energy*, **2015**, 18, 133-142	17.1	197
478	Uniform yolk-shell iron sulfide-carbon nanospheres for superior sodium-iron sulfide batteries. *Nature Communications*, **2015**, 6, 8689	17.4	322
477	Amino-functionalized ordered mesoporous carbon for the separation of toxic microcystin-LR. *Journal of Materials Chemistry A*, **2015**, 3, 19168-19176	13	31
476	Mesoporous TiO2 Mesocrystals: Remarkable Defects-Induced Crystallite-Interface Reactivity and Their in Situ Conversion to Single Crystals. *ACS Central Science*, **2015**, 1, 400-8	16.8	63
475	Interfacial assembly of mesoporous nanopyramids as ultrasensitive cellular interfaces featuring efficient direct electrochemistry. *NPG Asia Materials*, **2015**, 7, e204-e204	10.3	12
474	Self-assembly of bi-functional peptides on large-pore mesoporous silica nanoparticles for miRNA binding and delivery. *Journal of Materials Chemistry B*, **2015**, 3, 7653-7657	7.3	16

473	Nitrogen-doped ordered mesoporous carbons based on cyanamide as the dopant for supercapacitor. *Carbon*, **2015**, 84, 335-346	10.4	192
472	Selectivity Enhancement in Dynamic Kinetic Resolution of Secondary Alcohols through Adjusting the Micro-Environment of Metal Complex Confined in Nanochannels: A Promising Strategy for Tandem Reactions. *ACS Catalysis*, **2015**, 5, 27-33	13.1	28
471	An Interface-Induced Co-Assembly Approach Towards Ordered Mesoporous Carbon/Graphene Aerogel for High-Performance Supercapacitors. *Advanced Functional Materials*, **2015**, 25, 526-533	15.6	198
470	In-situ confined growth of monodisperse pt nanoparticle@graphene nanobox composites as electrocatalytic nanoreactors. *Small*, **2015**, 11, 1003-10	11	21
469	Lab on upconversion nanoparticles: optical properties and applications engineering via designed nanostructure. *Chemical Society Reviews*, **2015**, 44, 1346-78	58.5	438
468	Anomalous Fluorescence Enhancement from Double Heterostructure 3D Colloidal Photonic Crystals--A Multifunctional Fluorescence-Based Sensor Platform. *Scientific Reports*, **2015**, 5, 14439	4.9	25
467	Carbon-Dot-Sensitized, Nitrogen-Doped TiO2 in Mesoporous Silica for Water Decontamination through Nonhydrophobic Enrichment-Degradation Mode. *Chemistry - A European Journal*, **2015**, 21, 17944-50	5.8	34
466	Controllable Synthesis of Mesoporous Peapod-like Co3O4@Carbon Nanotube Arrays for High-Performance Lithium-Ion Batteries. *Angewandte Chemie*, **2015**, 127, 7166-7170	3.6	39
465	Growth of Single-Layered Two-Dimensional Mesoporous Polymer/Carbon Films by Self-Assembly of Monomicelles at the Interfaces of Various Substrates. *Angewandte Chemie*, **2015**, 127, 8545-8549	3.6	14
464	Growth of Single-Layered Two-Dimensional Mesoporous Polymer/Carbon Films by Self-Assembly of Monomicelles at the Interfaces of Various Substrates. *Angewandte Chemie - International Edition*, **2015**, 54, 8425-9	16.4	37
463	A Facile Multi-interface Transformation Approach to Monodisperse Multiple-Shelled Periodic Mesoporous Organosilica Hollow Spheres. *Journal of the American Chemical Society*, **2015**, 137, 7935-44	16.4	195
462	Radially oriented mesoporous TiO2 microspheres with single-crystal-like anatase walls for high-efficiency optoelectronic devices. *Science Advances*, **2015**, 1, e1500166	14.3	106
461	Monodisperse core-shell structured magnetic mesoporous aluminosilicate nanospheres with large dendritic mesochannels. *Nano Research*, **2015**, 8, 2503-2514	10	70
460	General synthesis of complex nanotubes by gradient electrospinning and controlled pyrolysis. *Nature Communications*, **2015**, 6, 7402	17.4	320
459	Rücktitelbild: Growth of Single-Layered Two-Dimensional Mesoporous Polymer/Carbon Films by Self-Assembly of Monomicelles at the Interfaces of Various Substrates (Angew. Chem. 29/2015). *Angewandte Chemie*, **2015**, 127, 8686-8686	3.6	
458	Synthesis of hierarchically porous carbon spheres with yolk-shell structure for high performance supercapacitors. *Catalysis Today*, **2015**, 243, 199-208	5.3	80
457	On the improvement of pore accessibility through post-synthesis hydrothermal treatments of spray dried SBA-15 microspheres. *Chemical Engineering Science*, **2015**, 127, 276-284	4.4	12
456	Interface tension-induced synthesis of monodispersed mesoporous carbon hemispheres. *Journal of the American Chemical Society*, **2015**, 137, 2808-11	16.4	98

455	Uniform core–shell structured magnetic mesoporous TiO2 nanospheres as a highly efficient and stable sonocatalyst for the degradation of bisphenol-A. *Journal of Materials Chemistry A*, **2015**, 3, 6492-6500	13	56
454	Nanofabrication of highly ordered, tunable metallic mesostructures via quasi-hard-templating of lyotropic liquid crystals. *Scientific Reports*, **2014**, 4, 7420	4.9	8
453	Ultralight mesoporous magnetic frameworks by interfacial assembly of Prussian blue nanocubes. *Angewandte Chemie - International Edition*, **2014**, 53, 2888-92	16.4	73
452	Azobenzene-derived surfactants as phototriggered recyclable templates for the synthesis of ordered mesoporous silica nanospheres. *Advanced Materials*, **2014**, 26, 1782-7	24	38
451	A versatile designed synthesis of magnetically separable nano-catalysts with well-defined core–shell nanostructures. *Journal of Materials Chemistry A*, **2014**, 2, 6071-6074	13	57
450	Synthesis of mesoporous silica hollow nanospheres with multiple gold cores and catalytic activity. *Journal of Colloid and Interface Science*, **2014**, 429, 62-7	9.3	70
449	Templated Fabrication of Core–Shell Magnetic Mesoporous Carbon Microspheres in 3-Dimensional Ordered Macroporous Silicas. *Chemistry of Materials*, **2014**, 26, 3316-3321	9.6	48
448	Tricomponent Coassembly Approach To Synthesize Ordered Mesoporous Carbon/Silica Nanocomposites and Their Derivative Mesoporous Silicas with Dual Porosities. *Chemistry of Materials*, **2014**, 26, 2438-2444	9.6	37
447	Synthesis of core-shell structured zeolite-A@mesoporous silica composites for butyraldehyde adsorption. *Journal of Colloid and Interface Science*, **2014**, 428, 251-6	9.3	11
446	Dual-pore mesoporous carbon@silica composite core-shell nanospheres for multidrug delivery. *Angewandte Chemie - International Edition*, **2014**, 53, 5366-70	16.4	153
445	Protein biomineralized nanoporous inorganic mesocrystals with tunable hierarchical nanostructures. *Journal of the American Chemical Society*, **2014**, 136, 15781-6	16.4	53
444	Facile preparation of Cu–Mn/CeO2/SBA-15 catalysts using ceria as an auxiliary for advanced oxidation processes. *Journal of Materials Chemistry A*, **2014**, 2, 10654	13	38
443	Hydrothermal synthesis of ordered mesoporous carbons from a biomass-derived precursor for electrochemical capacitors. *Nanoscale*, **2014**, 6, 14657-61	7.7	84
442	Soft-template synthesis of 3D porous graphene foams with tunable architectures for lithium–O2 batteries and oil adsorption applications. *Journal of Materials Chemistry A*, **2014**, 2, 7973-7979	13	89
441	Anisotropic growth-induced synthesis of dual-compartment Janus mesoporous silica nanoparticles for bimodal triggered drugs delivery. *Journal of the American Chemical Society*, **2014**, 136, 15086-92	16.4	298
440	Large pore mesostructured cellular silica foam coated magnetic oxide composites with multilamellar vesicle shells for adsorption. *Chemical Communications*, **2014**, 50, 713-5	5.8	39
439	Template-free synthesis of uniform magnetic mesoporous TiO2 nanospindles for highly selective enrichment of phosphopeptides. *Materials Horizons*, **2014**, 1, 439	14.4	47
438	Ordered mesoporous C/TiO2 composites as advanced sonocatalysts. *Journal of Materials Chemistry A*, **2014**, 2, 16452-16458	13	30

437	Controllable synthesis of SnO2@C yolk-shell nanospheres as a high-performance anode material for lithium ion batteries. *Nanoscale*, **2014**, 6, 3217-22	7.7	149
436	Sorption interactions of plutonium and europium with ordered mesoporous carbon. *Journal of Materials Chemistry A*, **2014**, 2, 11209-11221	13	24
435	A Facile fabrication of mesoporous core□shell CaO-Based pellets with enhanced reactive stability and resistance to attrition in cyclic CO2 capture. *Journal of Materials Chemistry A*, **2014**, 2, 16577-16588	13	40
434	Rational synthesis of superparamagnetic core□shell structured mesoporous microspheres with large pore sizes. *Journal of Materials Chemistry A*, **2014**, 2, 18322-18328	13	36
433	Solar-driven photoelectrochemical probing of nanodot/nanowire/cell interface. *Nano Letters*, **2014**, 14, 2702-8	11.5	123
432	Highly biocompatible zwitterionic phospholipids coated upconversion nanoparticles for efficient bioimaging. *Analytical Chemistry*, **2014**, 86, 9749-57	7.8	50
431	High-performance ionic diode membrane for salinity gradient power generation. *Journal of the American Chemical Society*, **2014**, 136, 12265-72	16.4	322
430	Formation of uniform large SBA-15 microspheres via spray drying. *Journal of Materials Chemistry A*, **2014**, 2, 19500-19508	13	29
429	Synthesis of nitrogen-doped hollow carbon nanospheres for CO2 capture. *Chemical Communications*, **2014**, 50, 329-31	5.8	196
428	Highly reversible and large lithium storage in mesoporous si/c nanocomposite anodes with silicon nanoparticles embedded in a carbon framework. *Advanced Materials*, **2014**, 26, 6749-55	24	234
427	An interface-directed coassembly approach to synthesize uniform large-pore mesoporous silica spheres. *Journal of the American Chemical Society*, **2014**, 136, 1884-92	16.4	79
426	Biphase stratification approach to three-dimensional dendritic biodegradable mesoporous silica nanospheres. *Nano Letters*, **2014**, 14, 923-32	11.5	503
425	Controllable fabrication of dendritic mesoporous silica□arbon nanospheres for anthracene removal. *Journal of Materials Chemistry A*, **2014**, 2, 11045	13	29
424	Highly ordered mesoporous tungsten oxides with a large pore size and crystalline framework for H2S sensing. *Angewandte Chemie - International Edition*, **2014**, 53, 9035-40	16.4	215
423	Hierarchically tetramodal-porous zeolite ZSM-5 monoliths with template-free-derived intracrystalline mesopores. *Chemical Science*, **2014**, 5, 1565	9.4	83
422	Direct imaging Au nanoparticle migration inside mesoporous silica channels. *ACS Nano*, **2014**, 8, 10455-60	16.7	40
421	Engineering homogeneous doping in single nanoparticle to enhance upconversion efficiency. *Nano Letters*, **2014**, 14, 3634-9	11.5	148
420	Ordered Macro-/Mesoporous Anatase Films with High Thermal Stability and Crystallinity for Photoelectrocatalytic Water-Splitting. *Advanced Energy Materials*, **2014**, 4, 1301725	21.8	42

419	Synthesis and electrochemical properties of nickel oxide/carbon nanofiber composites. *Carbon*, **2014**, 71, 276-283	10.4	54
418	Fully solar-powered photoelectrochemical conversion for simultaneous energy storage and chemical sensing. *Nano Letters*, **2014**, 14, 3668-73	11.5	52
417	Oriented mesoporous nanopyramids as versatile plasmon-enhanced interfaces. *Journal of the American Chemical Society*, **2014**, 136, 6822-5	16.4	58
416	Mesoporous silica-coated plasmonic nanostructures for surface-enhanced Raman scattering detection and photothermal therapy. *Advanced Healthcare Materials*, **2014**, 3, 1620-8	10.1	61
415	Ordered mesoporous black TiO(2) as highly efficient hydrogen evolution photocatalyst. *Journal of the American Chemical Society*, **2014**, 136, 9280-3	16.4	736
414	A Perspective on Mesoporous TiO2 Materials. *Chemistry of Materials*, **2014**, 26, 287-298	9.6	366
413	Ultralight Mesoporous Magnetic Frameworks by Interfacial Assembly of Prussian Blue Nanocubes. *Angewandte Chemie*, **2014**, 126, 2932-2936	3.6	1
412	Bio-inspired porous antenna-like nanocube/nanowire heterostructure as ultra-sensitive cellular interfaces. *NPG Asia Materials*, **2014**, 6, e117-e117	10.3	30
411	Hierarchical mesoporous/microporous carbon with graphitized frameworks for high-performance lithium-ion batteries. *APL Materials*, **2014**, 2, 113302	5.7	15
410	Dual-Pore Mesoporous Carbon@Silica Composite Core–Shell Nanospheres for Multidrug Delivery. *Angewandte Chemie*, **2014**, 126, 5470-5474	3.6	44
409	Highly Ordered Mesoporous Tungsten Oxides with a Large Pore Size and Crystalline Framework for H2S Sensing. *Angewandte Chemie*, **2014**, 126, 9181-9186	3.6	24
408	Formation of monodisperse mesoporous silica microparticles via spray-drying. *Journal of Colloid and Interface Science*, **2014**, 418, 225-33	9.3	28
407	Facile synthesis of yolk-shell structured inorganic-organic hybrid spheres with ordered radial mesochannels. *Advanced Materials*, **2014**, 26, 3741-7	24	158
406	Ordered mesoporous materials based on interfacial assembly and engineering. *Advanced Materials*, **2013**, 25, 5129-52, 5128	24	226
405	Rapid and efficient removal of microcystins by ordered mesoporous silica. *Environmental Science & Technology*, **2013**, 47, 8633-41	10.3	85
404	Hierarchical bicontinuous porosity in metal–organic frameworks templated from functional block co-oligomer micelles. *Chemical Science*, **2013**, 4, 3573	9.4	113
403	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
402	Enhancing enzymatic stability of bioactive papers by implanting enzyme-immobilized mesoporous silica nanorods into paper. *Journal of Materials Chemistry B*, **2013**, 1, 4719-4722	7.3	12

401	One-pot synthesis of thermally stable gold@mesoporous silica core-shell nanospheres with catalytic activity. *Nano Research*, **2013**, 6, 871-879	10	140
400	Sol-gel design strategy for ultradispersed TiO2 nanoparticles on graphene for high-performance lithium ion batteries. *Journal of the American Chemical Society*, **2013**, 135, 18300-3	16.4	313
399	Highly efficient lanthanide upconverting nanomaterials: Progresses and challenges. *Nano Today*, **2013**, 8, 643-676	17.9	162
398	A general "surface-locking" approach toward fast assembly and processing of large-sized, ordered, mesoporous carbon microspheres. *Angewandte Chemie - International Edition*, **2013**, 52, 13764-8	16.4	72
397	A shear stress regulated assembly route to silica nanotubes and their closely packed hollow mesostructures. *Angewandte Chemie - International Edition*, **2013**, 52, 11603-6	16.4	23
396	Carbon nanodots featuring efficient FRET for real-time monitoring of drug delivery and two-photon imaging. *Advanced Materials*, **2013**, 25, 6569-74	24	429
395	General synthesis of discrete mesoporous carbon microspheres through a confined self-assembly process in inverse opals. *ACS Nano*, **2013**, 7, 8706-14	16.7	68
394	A resol-assisted co-assembly approach to crystalline mesoporous niobia spheres for electrochemical biosensing. *Angewandte Chemie - International Edition*, **2013**, 52, 10505-10	16.4	68
393	A versatile ethanol-mediated polymerization of dopamine for efficient surface modification and the construction of functional core-shell nanostructures. *Journal of Materials Chemistry B*, **2013**, 1, 6085-6093	7.2	91
392	Site-specific carbon deposition for hierarchically ordered core/shell-structured graphitic carbon with remarkable electrochemical performance. *ChemSusChem*, **2013**, 6, 1938-44	8.3	12
391	Mesoporous Materials: Ordered Mesoporous Materials Based on Interfacial Assembly and Engineering (Adv. Mater. 37/2013). *Advanced Materials*, **2013**, 25, 5128-5128	24	5
390	Free-standing highly ordered mesoporous carbon–silica composite thin films. *Journal of Materials Chemistry A*, **2013**, 1, 13490	13	29
389	Nd3+ sensitized up/down converting dual-mode nanomaterials for efficient in-vitro and in-vivo bioimaging excited at 800 nm. *Scientific Reports*, **2013**, 3, 3536	4.9	171
388	Ordered mesoporous carbons and their corresponding column for highly efficient removal of microcystin-LR. *Energy and Environmental Science*, **2013**, 6, 2765	35.4	83
387	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
386	Multi-layered mesoporous TiO2 thin films with large pores and highly crystalline frameworks for efficient photoelectrochemical conversion. *Journal of Materials Chemistry A*, **2013**, 1, 1591-1599	13	81
385	Large-pore ordered mesoporous materials templated from non-Pluronic amphiphilic block copolymers. *Chemical Society Reviews*, **2013**, 42, 4054-70	58.5	341
384	Extension of the Stöber method to construct mesoporous SiO2 and TiO2 shells for uniform multifunctional core-shell structures. *Advanced Materials*, **2013**, 25, 142-9	24	237

383	An overview of the synthesis of ordered mesoporous materials. *Chemical Communications*, **2013**, 49, 943-6	5.8	221
382	In-situ crystallization route to nanorod-aggregated functional ZSM-5 microspheres. *Journal of the American Chemical Society*, **2013**, 135, 1181-4	16.4	78
381	Core–shell composites of USY@Mesosilica: Synthesis and application in cracking heavy molecules with high liquid yield. *Microporous and Mesoporous Materials*, **2013**, 176, 16-24	5.3	40
380	Generalized synthesis of core–shell structured nano-zeolite@ordered mesoporous silica composites. *Catalysis Today*, **2013**, 204, 2-7	5.3	43
379	Ultrathin PEGylated W18O49 nanowires as a new 980 nm-laser-driven photothermal agent for efficient ablation of cancer cells in vivo. *Advanced Materials*, **2013**, 25, 2095-100	24	325
378	Molecular Scale Modeling of Membrane Water Treatment Processes **2013**, 249-299		2
377	Thin Film Nanocomposite Membranes for Water Desalination **2013**, 163-194		3
376	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	9.6	240
375	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
374	Representative Mesoporous Silica Molecular Sieves **2013**, 153-217		4
373	Structural Characterization Methods **2013**, 117-151		2
372	Morphology Control **2013**, 243-292		
371	Synthesis Approach of Mesoporous Molecular Sieves **2013**, 5-54		1
370	Mechanisms for Formation of Mesoporous Materials **2013**, 55-116		1
369	Doping in Mesoporous Molecular Sieves **2013**, 219-242		1
368	Mesoporous Nonsilica Materials **2013**, 293-428		5
367	Applications of Mesoporous Molecular Sieves **2013**, 465-511		
366	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	13	290

365	A facile route to cage-like mesoporous silica coated ZSM-5 combined with Pt immobilization. *Journal of Materials Chemistry A*, **2013**, 1, 7525	13	29
364	A facile strategy for the preparation of well-dispersed bimetal oxide CuFe2O4 nanoparticles supported on mesoporous silica. *Journal of Materials Chemistry A*, **2013**, 1, 6742	13	27
363	Designed synthesis of LiMn2O4 microspheres with adjustable hollow structures for lithium-ion battery applications. *Journal of Materials Chemistry A*, **2013**, 1, 837-842	13	50
362	Hierarchical CuS microsponges constructed from nanosheets for efficient photocatalysis. *Small*, **2013**, 9, 2702-8	11	72
361	A Controllable Synthesis of Rich Nitrogen-Doped Ordered Mesoporous Carbon for CO2 Capture and Supercapacitors. *Advanced Functional Materials*, **2013**, 23, 2322-2328	15.6	783
360	Simple and green synthesis of nitrogen-doped photoluminescent carbonaceous nanospheres for bioimaging. *Angewandte Chemie - International Edition*, **2013**, 52, 8151-5	16.4	378
359	Target Areas for Nanotechnology Development for Water Treatment and Desalination **2013**, 1-6		
358	Destruction of Organics in Water via Iron Nanoparticles **2013**, 7-32		
357	Photocatalysis at Nanostructured Titania for Sensing Applications **2013**, 33-65		
356	Mesoporous Materials for Water Treatment **2013**, 67-84		1
355	Conclusions: Some Potential Future Nanotechnologies for Water Treatment **2013**, 301-311		
354	Membrane Surface Nanostructuring with Terminally Anchored Polymer Chains **2013**, 85-124		4
353	Recent Advances in Ion Exchange Membranes for Desalination Applications **2013**, 125-161		2
352	Application of Ceramic Membranes in the Treatment of Water **2013**, 195-215		3
351	Functional Zeolitic Framework Membranes for Water Treatment and Desalination **2013**, 217-247		2
350	A systematic investigation of the formation of ordered mesoporous silicas using poly(ethylene oxide)-b-poly(methyl methacrylate) as the template. *Journal of Materials Chemistry A*, **2013**, 1, 8819	13	27
349	Organic Group Functionalized Mesoporous Silicas **2013**, 429-463		
348	A facile soft-template synthesis of mesoporous polymeric and carbonaceous nanospheres. *Nature Communications*, **2013**, 4,	17.4	475

347	A Resol-Assisted Co-Assembly Approach to Crystalline Mesoporous Niobia Spheres for Electrochemical Biosensing. *Angewandte Chemie*, **2013**, 125, 10699-10704	3.6	18
346	Multifunctional upconversion-magnetic hybrid nanostructured materials: synthesis and bioapplications. *Theranostics*, **2013**, 3, 292-305	12.1	56
345	Recycling Mother Liquor to Synthesize Mesoporous SBA-15 Silica. *Asian Journal of Chemistry*, **2013**, 25, 9627-9631	0.4	3
344	Improved Synthesis of SBA-15 Mesoporous Silica Fitting for Industrial Production. *Chinese Journal of Catalysis*, **2013**, 33, 1360-1366	11.3	
343	**2013**,		97
342	Direct synthesis of hierarchical LTA zeolite via a low crystallization and growth rate technique in presence of cetyltrimethylammonium bromide. *Journal of Colloid and Interface Science*, **2012**, 382, 1-12	9.3	34
341	Vapor assisted □n situ□transformation of mesoporous carbon□silica composite for hierarchically porous zeolites. *Microporous and Mesoporous Materials*, **2012**, 151, 495-500	5.3	20
340	Micelle swelling agent derived cavities for increasing hydrophobic organic compound removal efficiency by mesoporous micelle@silica hybrid materials. *Microporous and Mesoporous Materials*, **2012**, 155, 252-257	5.3	15
339	General and controllable synthesis of novel mesoporous magnetic iron oxide@carbon encapsulates for efficient arsenic removal. *Advanced Materials*, **2012**, 24, 485-91	24	283
338	Double-shelled CoMn2O4 hollow microcubes as high-capacity anodes for lithium-ion batteries. *Advanced Materials*, **2012**, 24, 745-8	24	618
337	LiNi0.5Mn1.5O4 Hollow Structures as High-Performance Cathodes for Lithium-Ion Batteries. *Angewandte Chemie*, **2012**, 124, 243-245	3.6	129
336	LiNi(0.5)Mn(1.5)O4 hollow structures as high-performance cathodes for lithium-ion batteries. *Angewandte Chemie - International Edition*, **2012**, 51, 239-41	16.4	309
335	Highly ordered mesoporous silica films with perpendicular mesochannels by a simple St□ber-solution growth approach. *Angewandte Chemie - International Edition*, **2012**, 51, 2173-7	16.4	233
334	Mesoporous titania: From synthesis to application. *Nano Today*, **2012**, 7, 344-366	17.9	230
333	Formation Mechanism of Cubic Mesoporous Carbon Monolith Synthesized by Evaporation-Induced Self-assembly. *Chemistry of Materials*, **2012**, 24, 383-392	9.6	59
332	A hierarchical adsorption material by incorporating mesoporous carbon into macroporous chitosan membranes. *Journal of Materials Chemistry*, **2012**, 22, 11908		26
331	Self-assembly of monodispersed silica nano-spheres with a closed-pore mesostructure. *Journal of Materials Chemistry*, **2012**, 22, 11523		17
330	Copper oxide activation of soft-templated mesoporous carbons and their electrochemical properties for capacitors. *Journal of Materials Chemistry*, **2012**, 22, 1547-1555		17

329	Development of Sinter-Resistant Core□Shell LaMnxFe1□O3@mSiO2 Oxygen Carriers for Chemical Looping Combustion. *Energy & Fuels*, **2012**, 26, 3091-3102	4.1	40
328	Excellent photocatalytic degradation activities of ordered mesoporous anatase TiO2-SiO2 nanocomposites to various organic contaminants. *Journal of Hazardous Materials*, **2012**, 229-230, 307-20	12.8	66
327	A magnetite nanocrystal/graphene composite as high performance anode for lithium-ion batteries. *Journal of Alloys and Compounds*, **2012**, 514, 76-80	5.7	55
326	A general chelate-assisted co-assembly to metallic nanoparticles-incorporated ordered mesoporous carbon catalysts for Fischer-Tropsch synthesis. *Journal of the American Chemical Society*, **2012**, 134, 17653-60	16.4	202
325	A template carbonization strategy to synthesize ordered mesoporous silica microspheres with trapped sulfonated carbon nanoparticles for efficient catalysis. *Angewandte Chemie - International Edition*, **2012**, 51, 10368-72	16.4	58
324	One-step hydrothermal synthesis of carboxyl-functionalized upconversion phosphors for bioapplications. *Chemistry - A European Journal*, **2012**, 18, 13642-50	4.8	58
323	Highly ordered cubic mesoporous materials with the same symmetry but tunable pore structures. *Langmuir*, **2012**, 28, 16382-92	4	11
322	A comprehensive study on KOH activation of ordered mesoporous carbons and their supercapacitor application. *Journal of Materials Chemistry*, **2012**, 22, 93-99		299
321	Large-scale fabrication of three-dimensional ordered polymer films with strong structure colors and robust mechanical properties. *Journal of Materials Chemistry*, **2012**, 22, 8069		54
320	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, 2236-45	16.4	193
319	Novel preparation and near-infrared photoluminescence of uniform core-shell silver sulfide nanoparticle@mesoporous silica nanospheres. *Journal of Materials Chemistry*, **2012**, 22, 7274		30
318	Mesoporous multifunctional upconversion luminescent and magnetic "nanorattle" materials for targeted chemotherapy. *Nano Letters*, **2012**, 12, 61-7	11.5	340
317	Post-enrichment of nitrogen in soft-templated ordered mesoporous carbon materials for highly efficient phenol removal and CO2 capture. *Journal of Materials Chemistry*, **2012**, 22, 11379		143
316	Ligand exchange triggered controlled-release targeted drug delivery system based on core□shell superparamagnetic mesoporous microspheres capped with nanoparticles. *Journal of Materials Chemistry*, **2012**, 22, 17677		27
315	Ordered mesoporous graphitized pyrolytic carbon materials: synthesis, graphitization, and electrochemical properties. *Journal of Materials Chemistry*, **2012**, 22, 8835		80
314	NIR-triggered release of caged nitric oxide using upconverting nanostructured materials. *Small*, **2012**, 8, 3800-5	11	154
313	Controlled Sn-doping in TiO2 nanowire photoanodes with enhanced photoelectrochemical conversion. *Nano Letters*, **2012**, 12, 1503-8	11.5	349
312	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

311	A versatile kinetics-controlled coating method to construct uniform porous TiO2 shells for multifunctional core-shell structures. *Journal of the American Chemical Society*, **2012**, 134, 11864-7	16.4	357
310	Functional nanoporous graphene foams with controlled pore sizes. *Advanced Materials*, **2012**, 24, 4419-23	19.4	316
309	Highly Ordered Mesoporous Silica Films with Perpendicular Mesochannels by a Simple Stber-Solution Growth Approach. *Angewandte Chemie*, **2012**, 124, 2215-2219	3.6	19
308	Synthesis of dual-mesoporous silica using non-ionic diblock copolymer and cationic surfactant as co-templates. *Angewandte Chemie - International Edition*, **2012**, 51, 6149-53	16.4	92
307	Hollow micro-mesoporous carbon polyhedra produced by selective removal of skeletal scaffolds. *Carbon*, **2012**, 50, 2546-2555	10.4	16
306	Ordered mesoporous materials as adsorbents. *Chemical Communications*, **2011**, 47, 3332-8	5.8	515
305	Multiwall carbon nanotube@mesoporous carbon with core-shell configuration: a well-designed composite-structure toward electrochemical capacitor application. *Journal of Materials Chemistry*, **2011**, 21, 13025		65
304	Extensive Inspection of an Unconventional Mesoporous Silica Material at All Length-Scales. *Chemistry of Materials*, **2011**, 23, 229-238	9.6	14
303	Direct imaging of the layer-by-layer growth and rod-unit repairing defects of mesoporous silica SBA-15 by cryo-SEM. *Journal of Materials Chemistry*, **2011**, 21, 17371		16
302	One-pot generation of mesoporous carbon supported nanocrystalline calcium oxides capable of efficient CO2 capture over a wide range of temperatures. *Physical Chemistry Chemical Physics*, **2011**, 13, 2495-503	3.6	58
301	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
300	Synthesis of ordered mesoporous MgO/carbon composites by a one-pot assembly of amphiphilic triblock copolymers. *Journal of Materials Chemistry*, **2011**, 21, 795-800		60
299	Facile Synthesis of Transparent Mesostructured Composites and Corresponding Crack-free Mesoporous Carbon/Silica Monoliths. *Chemistry of Materials*, **2011**, 23, 2353-2360	9.6	36
298	Synthesis of hierarchically nanoporous silica films for controlled drug loading and release. *Nanoscale*, **2011**, 3, 3329-33	7.7	25
297	Free-standing mesoporous carbon thin films with highly ordered pore architectures for nanodevices. *Journal of the American Chemical Society*, **2011**, 133, 15148-56	16.4	235
296	Container effect in nanocasting synthesis of mesoporous metal oxides. *Journal of the American Chemical Society*, **2011**, 133, 14542-5	16.4	150
295	Core-shell Ag@SiO2@mSiO2 mesoporous nanocarriers for metal-enhanced fluorescence. *Chemical Communications*, **2011**, 47, 11618-20	5.8	153
294	Facile synthesis of mesoporous carbon nitrides using the incipient wetness method and the application as hydrogen adsorbent. *Journal of Materials Chemistry*, **2011**, 21, 10801		158

293	A facile one-pot synthesis of uniform core-shell silver nanoparticle@mesoporous silica nanospheres. *Chemical Communications*, **2011**, 47, 8536-8	5.8	61
292	Three-dimensional pillar-layered copper(II) metal-organic framework with immobilized functional OH groups on pore surfaces for highly selective CO2/CH4 and C2H2/CH4 gas sorption at room temperature. *Inorganic Chemistry*, **2011**, 50, 3442-6	5.1	111
291	Hierarchically Ordered Macro-/Mesoporous Silica Monolith: Tuning Macropore Entrance Size for Size-Selective Adsorption of Proteins. *Chemistry of Materials*, **2011**, 23, 2176-2184	9.6	186
290	Bicontinuous gyroidal mesoporous carbon matrix for facilitating protein electrochemical and bioelectrocatalytic performances. *Talanta*, **2011**, 83, 1507-14	6.2	15
289	Solvent evaporation induced aggregating assembly approach to three-dimensional ordered mesoporous silica with ultralarge accessible mesopores. *Journal of the American Chemical Society*, **2011**, 133, 20369-77	16.4	138
288	Innentitelbild: Extension of The Stöber Method to the Preparation of Monodisperse Resorcinol–Formaldehyde Resin Polymer and Carbon Spheres (Angew. Chem. 26/2011). *Angewandte Chemie*, **2011**, 123, 5894-5894	3.6	2
287	Large-pore ordered mesoporous carbons with tunable structures and pore sizes templated from poly(ethylene oxide)-b-poly(methyl methacrylate). *Solid State Sciences*, **2011**, 13, 784-792	3.4	37
286	Synthesis of ordered mesostructured polymer–organosilica composites by the triconstituent co-assembly method. *Materials Letters*, **2011**, 65, 624-627	3.3	5
285	Two Novel Zinc(II) Metal–Organic Frameworks Based on Triazole-Carboxylate Shared Paddle-Wheel Units: Synthesis, Structure, and Gas Adsorption. *Crystal Growth and Design*, **2011**, 11, 2811-2816	3.5	37
284	Ordered mesoporous non-oxide materials. *Chemical Society Reviews*, **2011**, 40, 3854-78	58.5	296
283	Controllable fabrication of uniform core–shell structured zeolite@SBA-15 composites. *Chemical Science*, **2011**, 2, 2006	9.4	80
282	Rare-earth upconverting nanobarcodes for multiplexed biological detection. *Small*, **2011**, 7, 1972-6	11	87
281	Carbon materials for chemical capacitive energy storage. *Advanced Materials*, **2011**, 23, 4828-50	24	2273
280	Fluorescence upconversion microbarcodes for multiplexed biological detection: nucleic acid encoding. *Advanced Materials*, **2011**, 23, 3775-9	24	154
279	Ligand-Assisted Assembly Approach to Synthesize Large-Pore Ordered Mesoporous Titania with Thermally Stable and Crystalline Framework. *Advanced Energy Materials*, **2011**, 1, 241-248	21.8	123
278	Synthesis of Partially Graphitic Ordered Mesoporous Carbons with High Surface Areas. *Advanced Energy Materials*, **2011**, 1, 115-123	21.8	147
277	A Self-Template Strategy for the Synthesis of Mesoporous Carbon Nanofibers as Advanced Supercapacitor Electrodes. *Advanced Energy Materials*, **2011**, 1, 382-386	21.8	327
276	Assembly of uniform photoluminescent microcomposites using a novel micro-fluidic-jet-spray-dryer. *AICHE Journal*, **2011**, 57, 2726-2737	3.6	58

275	Significantly Enhanced CO2/CH4 Separation Selectivity within a 3D Prototype Metal–Organic Framework Functionalized with OH Groups on Pore Surfaces at Room Temperature. *European Journal of Inorganic Chemistry*, **2011**, 2011, 2227-2231	2.3	52
274	Extension of The Stöber Method to the Preparation of Monodisperse Resorcinol–Formaldehyde Resin Polymer and Carbon Spheres. *Angewandte Chemie*, **2011**, 123, 6069-6073	3.6	91
273	Extension of the Stöber method to the preparation of monodisperse resorcinol-formaldehyde resin polymer and carbon spheres. *Angewandte Chemie - International Edition*, **2011**, 50, 5947-51	16.4	623
272	Inside Cover: Extension of The Stöber Method to the Preparation of Monodisperse Resorcinol–Formaldehyde Resin Polymer and Carbon Spheres (Angew. Chem. Int. Ed. 26/2011). *Angewandte Chemie - International Edition*, **2011**, 50, 5774-5774	16.4	2
271	Synthesis of well-dispersed layered double hydroxide core@ordered mesoporous silica shell nanostructure (LDH@mSiO2) and its application in drug delivery. *Nanoscale*, **2011**, 3, 4069-73	7.7	61
270	Advanced electron microscopy characterization for pore structure of mesoporous materials; a study of FDU-16 and FDU-18. *Journal of Materials Chemistry*, **2011**, 21, 13664		8
269	Impact of film thickness on the morphology of mesoporous carbon films using organic-organic self-assembly. *Langmuir*, **2011**, 27, 5607-15	4	24
268	Soft-template synthesis of ordered mesoporous carbon/nanoparticle nickel composites with a high surface area. *Carbon*, **2011**, 49, 545-555	10.4	133
267	Synthesis of mesoporous carbon spheres with a hierarchical pore structure for the electrochemical double-layer capacitor. *Carbon*, **2011**, 49, 1248-1257	10.4	274
266	Micro-channel development and hydrogen adsorption properties in templated microporous carbons containing platinum nanoparticles. *Carbon*, **2011**, 49, 1305-1317	10.4	25
265	Kilogram-scale synthesis of ordered mesoporous carbons and their electrochemical performance. *Carbon*, **2011**, 49, 4580-4588	10.4	79
264	Magnetically responsive ordered mesoporous materials: A burgeoning family of functional composite nanomaterials. *Chemical Physics Letters*, **2011**, 510, 1-13	2.5	82
263	Dual-template synthesis of magnetically-separable hierarchically-ordered porous carbons by catalytic graphitization. *Carbon*, **2011**, 49, 3055-3064	10.4	81
262	N,N?-diureylenepiperazine-bridged periodic mesoporous organosilica for controlled drug delivery. *Microporous and Mesoporous Materials*, **2011**, 141, 94-101	5.3	50
261	Syntheses of polyaniline/ordered mesoporous carbon composites with interpenetrating framework and their electrochemical capacitive performance in alkaline solution. *Journal of Power Sources*, **2011**, 196, 1608-1614	8.9	53
260	Synthesis of ordered mesoporous alumina with large pore sizes and hierarchical structure. *Microporous and Mesoporous Materials*, **2011**, 143, 406-412	5.3	89
259	Microwave assisted preparation of efficient activated carbon from grapevine rhytidome for the removal of methyl violet from aqueous solution. *Journal of Analytical and Applied Pyrolysis*, **2011**, 92, 258-266	6	62
258	High-resolution electron microscopy study of mesoporous dichalcogenides and their hydrogen storage properties. *Nanotechnology*, **2011**, 22, 075702	3.4	4

257	Ordered mesoporous crystalline gamma-Al2O3 with variable architecture and porosity from a single hard template. *Journal of the American Chemical Society*, **2010**, 132, 12042-50	16.4	129
256	Stabilizing Surfactant Templated Cylindrical Mesopores in Polymer and Carbon Films through Composite Formation with Silica Reinforcement. *Journal of Physical Chemistry C*, **2010**, 114, 9618-9626	3.8	18
255	Free-Standing Mesoporous Silica/Carbon Composite Films with Crystalline Silica Wall from Ethylene-Bridged Organosilane. *Chemistry of Materials*, **2010**, 22, 18-26	9.6	16
254	Synthesis of Carbonaceous Poly(furfuryl alcohol) Membrane for Water Desalination. *Industrial & Engineering Chemistry Research*, **2010**, 49, 4175-4180	3.9	36
253	Hierarchically Porous Silica with Ordered Mesostructure from Confinement Self-Assembly in Skeleton Scaffolds. *Chemistry of Materials*, **2010**, 22, 494-503	9.6	56
252	Mesoporous silica encapsulating upconversion luminescence rare-earth fluoride nanorods for secondary excitation. *Langmuir*, **2010**, 26, 8850-6	4	99
251	Growth of Single-Crystal Mesoporous Carbons with Im3 m Symmetry. *Chemistry of Materials*, **2010**, 22, 4828-4833	9.6	66
250	An unusual example of morphology controlled periodic mesoporous organosilica single crystals. *Journal of Materials Chemistry*, **2010**, 20, 6460		20
249	Facile synthesis of hierarchically mesoporous silica particles with controllable cavity in their surfaces. *Langmuir*, **2010**, 26, 702-8	4	73
248	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. *Chemistry of Materials*, **2010**, 22, 3433-3440	9.6	157
247	Hydrothermal Stability of Mesostructured Cellular Silica Foams. *Journal of Physical Chemistry C*, **2010**, 114, 5012-5019	3.8	60
246	Challenges in fabrication of mesoporous carbon films with ordered cylindrical pores via phenolic oligomer self-assembly with triblock copolymers. *ACS Nano*, **2010**, 4, 189-98	16.7	85
245	Rapid separation and purification of nanoparticles in organic density gradients. *Journal of the American Chemical Society*, **2010**, 132, 2333-7	16.4	153
244	Fabrication of Ag@SiO(2)@Y(2)O(3):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
243	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, 10277-86	4	181
242	A New Multidentate Hexacarboxylic Acid for the Construction of Porous Metal□Organic Frameworks of Diverse Structures and Porosities. *Crystal Growth and Design*, **2010**, 10, 2775-2779	3.5	47
241	Free-standing and bridged amine-functionalized periodic mesoporous organosilica films. *Journal of Materials Chemistry*, **2010**, 20, 7854		24
240	Photoluminescence modification in upconversion rare-earth fluoride nanocrystal array constructed photonic crystals. *Journal of Materials Chemistry*, **2010**, 20, 3895		70

239	Direct Synthesis of Controllable Microstructures of Thermally Stable and Ordered Mesoporous Crystalline Titanium Oxides and Carbide/Carbon Composites. *Chemistry of Materials*, **2010**, 22, 1760-1767	9.6	68
238	Multifunctional mesoporous composite microspheres with well-designed nanostructure: a highly integrated catalyst system. *Journal of the American Chemical Society*, **2010**, 132, 8466-73	16.4	827
237	Facile synthesis of highly stable and well-dispersed mesoporous ZrO(2)/carbon composites with high performance in oxidative dehydrogenation of ethylbenzene. *Physical Chemistry Chemical Physics*, **2010**, 12, 10996-1003	3.6	15
236	Thermosetting polymer templated nanoporous sinter-active layer for low temperature solid oxide fuel cells. *Journal of Materials Chemistry*, **2010**, 20, 1122-1126		17
235	Macroporous oxide structures with short-range order and bright structural coloration: a replication from parrot feather barbs. *Journal of Materials Chemistry*, **2010**, 20, 90-93		19
234	Synthesis of easily shaped ordered mesoporous titanium-containing silica. *Journal of Materials Chemistry*, **2010**, 20, 4705		14
233	Robust conductive mesoporous carbon□silica composite films with highly ordered and oriented orthorhombic structures from triblock-copolymer template co-assembly. *Journal of Materials Chemistry*, **2010**, 20, 1691		55
232	Nanoporous niobium phosphate electrolyte membrane for low temperature fuel cell. *Journal of Membrane Science*, **2010**, 356, 147-153	9.6	9
231	Synthesis of uniform periodic mesoporous organosilica hollow spheres with large-pore size and efficient encapsulation capacity for toluene and the large biomolecule bovine serum albumin. *Microporous and Mesoporous Materials*, **2010**, 132, 543-551	5.3	53
230	Biosynthesis of biocompatible cadmium telluride quantum dots using yeast cells. *Nano Research*, **2010**, 3, 481-489	10	141
229	Facile synthesis of porous carbon nitride spheres with hierarchical three-dimensional mesostructures for CO2 capture. *Nano Research*, **2010**, 3, 632-642	10	315
228	Hydrothermal Synthesis and Photoluminescence of Hierarchical Lead Tungstate Superstructures: Effects of Reaction Temperature and Surfactants. *European Journal of Inorganic Chemistry*, **2010**, 2010, 1736-1742	2.3	18
227	A Microporous Metal□Organic Framework with Immobilized □OH Functional Groups within the Pore Surfaces for Selective Gas Sorption. *European Journal of Inorganic Chemistry*, **2010**, 2010, 3745-3749	2.3	92
226	Controlled Synthesis and Functionalization of Ordered Large-Pore Mesoporous Carbons. *Advanced Functional Materials*, **2010**, 20, 3658-3665	15.6	117
225	An aqueous emulsion route to synthesize mesoporous carbon vesicles and their nanocomposites. *Advanced Materials*, **2010**, 22, 833-7	24	103
224	Synthesis of highly stable and crystalline mesoporous anatase by using a simple surfactant sulfuric acid carbonization method. *Chemistry - A European Journal*, **2010**, 16, 9977-81	4.8	69
223	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
222	Ordered hierarchical porous platinum membranes with tailored mesostructures. *Angewandte Chemie - International Edition*, **2010**, 49, 10101-5	16.4	19

221	Encapsulation of polyaniline in 3-D interconnected mesopores of silica KIT-6. *Journal of Colloid and Interface Science*, **2010**, 341, 353-8	9.3	33
220	Direct triblock-copolymer-templating synthesis of ordered nitrogen-containing mesoporous polymers. *Journal of Colloid and Interface Science*, **2010**, 342, 579-85	9.3	79
219	Synthesis of large-pore phenyl-bridged mesoporous organosilica with thick walls by evaporation-induced self-assembly for efficient benzene adsorption. *Journal of Colloid and Interface Science*, **2010**, 346, 429-35	9.3	23
218	Nanocasting fabrication of ordered mesoporous phenol–formaldehyde resins with various structures and their adsorption performances for basic organic compounds. *Microporous and Mesoporous Materials*, **2010**, 128, 165-179	5.3	47
217	Highly hydrothermal stability of ordered mesoporous aluminosilicates Al-SBA-15 with high Si/Al ratio. *Microporous and Mesoporous Materials*, **2010**, 135, 95-104	5.3	63
216	Magnetic 3-D ordered macroporous silica templated from binary colloidal crystals and its application for effective removal of microcystin. *Microporous and Mesoporous Materials*, **2010**, 130, 26-31	5.3	32
215	Impact of nanopore morphology on cell viability on mesoporous polymer and carbon surfaces. *Acta Biomaterialia*, **2010**, 6, 3035-43	10.8	15
214	Synchronous role of coupled adsorption and photocatalytic oxidation on ordered mesoporous anatase TiO2–SiO2 nanocomposites generating excellent degradation activity of RhB dye. *Applied Catalysis B: Environmental*, **2010**, 95, 197-207	21.8	137
213	A metal-ion-assisted assembly approach to synthesize disulfide-bridged periodical mesoporous organosilicas with high sulfide contents and efficient adsorption. *Applied Surface Science*, **2010**, 256, 5334-5342	6.7	36
212	Synthesis of Core/Shell Colloidal Magnetic Zeolite Microspheres for the Immobilization of Trypsin. *Advanced Materials*, **2009**, 21, 1377-1382	24	259
211	Shape, size, and phase-controlled rare-Earth fluoride nanocrystals with optical up-conversion properties. *Chemistry - A European Journal*, **2009**, 15, 11010-9	4.8	175
210	Highly water-dispersible biocompatible magnetite particles with low cytotoxicity stabilized by citrate groups. *Angewandte Chemie - International Edition*, **2009**, 48, 5875-9	16.4	703
209	Electrocatalytic oxidation of NADH at mesoporous carbon modified electrodes. *Mikrochimica Acta*, **2009**, 167, 75-79	5.8	22
208	Electrochemistry and biosensing of glucose oxidase immobilized on Pt-dispersed mesoporous carbon. *Mikrochimica Acta*, **2009**, 167, 109-116	5.8	28
207	Adsorption of xylene isomers on ordered hexagonal mesoporous FDU-15 polymer and carbon materials. *Adsorption*, **2009**, 15, 123-132	2.6	24
206	One-step direct synthesis of mesoporous aluminosilicates Al-SBA-15 with cage-like macropores by using micrometer-sized aluminum balls. *Science in China Series B: Chemistry*, **2009**, 52, 1090-1096		5
205	Facile fabrication of hierarchically porous carbonaceous monoliths with ordered mesostructure via an organic organic self-assembly. *Nano Research*, **2009**, 2, 242-253	10	74
204	Fabrication of ordered magnetite-doped rare earth fluoride nanotube arrays by nanocrystal self-assembly. *Nano Research*, **2009**, 2, 292-305	10	37

203	Silica-templated synthesis of ordered mesoporous tungsten carbide/graphitic carbon composites with nanocrystalline walls and high surface areas via a temperature-programmed carburization route. *Small*, **2009**, 5, 2738-49	11	69
202	Hydrophobic mesoporous materials for immobilization of enzymes. *Microporous and Mesoporous Materials*, **2009**, 124, 76-83	5.3	96
201	Electrocatalytic oxidation of NADH based on bicontinuous gyroidal mesoporous carbon with low overpotential. *Electrochemistry Communications*, **2009**, 11, 227-230	5.1	25
200	A mild method to remove organic templates in periodic mesoporous organosilicas by the oxidation of perchlorates. *Microporous and Mesoporous Materials*, **2009**, 118, 513-517	5.3	19
199	Ordered micro-porous carbon molecular sieves containing well-dispersed platinum nanoparticles for hydrogen storage. *Microporous and Mesoporous Materials*, **2009**, 119, 39-46	5.3	38
198	A simple approach to the synthesis of hollow microspheres with magnetite/silica hybrid walls. *Journal of Colloid and Interface Science*, **2009**, 333, 329-34	9.3	28
197	Synthesis of Ti-containing mesoporous silicates from inorganic titanium sources. *Catalysis Today*, **2009**, 148, 19-27	5.3	17
196	Reversible Two-Dimensional□Three Dimensional Framework Transformation within a Prototype Metal□Organic Framework. *Crystal Growth and Design*, **2009**, 9, 5293-5296	3.5	91
195	Highly specific enrichment of glycopeptides using boronic acid-functionalized mesoporous silica. *Analytical Chemistry*, **2009**, 81, 503-8	7.8	270
194	Design of Amphiphilic ABC Triblock Copolymer for Templating Synthesis of Large-Pore Ordered Mesoporous Carbons with Tunable Pore Wall Thickness. *Chemistry of Materials*, **2009**, 21, 3996-4005	9.6	93
193	Synthesis of uniform rare earth fluoride (NaMF4) nanotubes by in situ ion exchange from their hydroxide [M(OH)3] parents. *ACS Nano*, **2009**, 3, 159-64	16.7	132
192	Electrochemistry and biosensing of glucose oxidase based on mesoporous carbons with different spatially ordered dimensions. *Talanta*, **2009**, 78, 705-10	6.2	60
191	A curing agent method to synthesize ordered mesoporous carbons from linear novolac phenolic resin polymers. *Journal of Materials Chemistry*, **2009**, 19, 6536		32
190	Synthesis of ordered mesoporous bifunctional TiO2□SiO2□polymer nanocomposites. *Journal of Materials Chemistry*, **2009**, 19, 8610		26
189	Porous platinum nanowire arrays for direct ethanol fuel cell applications. *Chemical Communications*, **2009**, 195-7	5.8	127
188	Ordered mesoporous Pd/silica-carbon as a highly active heterogeneous catalyst for coupling reaction of chlorobenzene in aqueous media. *Journal of the American Chemical Society*, **2009**, 131, 4541-50	16.4	319
187	Organosilane-assisted synthesis of ordered mesoporous poly(furfuryl alcohol) composites. *Journal of Materials Chemistry*, **2009**, 19, 131-140		43
186	Mesoporous Monocrystalline TiO2 and Its Solid-State Electrochemical Properties. *Chemistry of Materials*, **2009**, 21, 2540-2546	9.6	107

185	Synthesis and microwave absorption of uniform hematite nanoparticles and their core-shell mesoporous silica nanocomposites. *Journal of Materials Chemistry*, **2009**, 19, 6706		163
184	One-pot synthesis of magnetically separable ordered mesoporous carbon. *Journal of Materials Chemistry*, **2009**, 19, 3292		128
183	Hydrothermal synthesis of novel AlPO4-5 brooms and nano-fibers and their templated carbon structures. *CrystEngComm*, **2009**, 11, 739	3.3	13
182	Highly Efficient Adsorption of Bulky Dye Molecules in Wastewater on Ordered Mesoporous Carbons. *Chemistry of Materials*, **2009**, 21, 706-716	9.6	457
181	Formation of Hollow Upconversion Rare-Earth Fluoride Nanospheres: Nanoscale Kirkendall Effect During Ion Exchange. *Chemistry of Materials*, **2009**, 21, 5237-5243	9.6	128
180	Direct Triblock-Copolymer-Templating Synthesis of Highly Ordered Fluorinated Mesoporous Carbon. *Chemistry of Materials*, **2008**, 20, 1012-1018	9.6	100
179	Mixed-Solvothermal Syntheses and Structures of Six New Zinc Phosphonocarboxylates with Zeolite-type and Pillar-Layered Frameworks. *Crystal Growth and Design*, **2008**, 8, 4045-4053	3.5	62
178	Ordered Mesostructured Rare-Earth Fluoride Nanowire Arrays with Upconversion Fluorescence. *Chemistry of Materials*, **2008**, 20, 3778-3784	9.6	38
177	A novel approach to the construction of 3-D ordered macrostructures with polyhedral particles. *Journal of Materials Chemistry*, **2008**, 18, 408-415		17
176	One-step hydrothermal synthesis of ordered mesostructured carbonaceous monoliths with hierarchical porosities. *Chemical Communications*, **2008**, 2641-3	5.8	167
175	Ultra-Large-Pore Mesoporous Carbons Templated from Poly(ethylene oxide)-b-Polystyrene Diblock Copolymer by Adding Polystyrene Homopolymer as a Pore Expander. *Chemistry of Materials*, **2008**, 20, 7281-7286	9.6	108
174	Nanocasting Synthesis of Ordered Mesoporous Silicon Nitrides with a High Nitrogen Content. *Journal of Physical Chemistry C*, **2008**, 112, 112-116	3.8	38
173	Thick wall mesoporous carbons with a large pore structure templated from a weakly hydrophobic PEOPMMA diblock copolymer. *Journal of Materials Chemistry*, **2008**, 18, 91-97		89
172	Supramolecular Aggregates as Templates: Ordered Mesoporous Polymers and Carbons *Chemistry of Materials*, **2008**, 20, 932-945	9.6	389
171	Controlled Synthesis of Ordered Mesoporous CTiO2 Nanocomposites with Crystalline Titania Frameworks from OrganicInorganicAmphiphilic Coassembly *Chemistry of Materials*, **2008**, 20, 1140-1146	9.6	163
170	General Synthesis of Ordered Nonsiliceous Mesoporous Materials. *ACS Symposium Series*, **2008**, 2-48	0.4	6
169	Direct electrodeposition of gold nanotube arrays for sensing applications. *Journal of Materials Chemistry*, **2008**, 18, 463-467		47
168	Facile method for fabrication of nanocomposite films with an ordered porous surface. *Journal of Physical Chemistry B*, **2008**, 112, 7706-12	3.4	28

167	Hydrocracking of heavy oil using zeolites Y/Al-SBA-15 composites as catalyst supports. *Journal of Porous Materials*, **2008**, 15, 145-150	2.4	21
166	The influence of carbon source on the wall structure of ordered mesoporous carbons. *Journal of Porous Materials*, **2008**, 15, 601-611	2.4	53
165	Synthesis of Self-Supported Ordered Mesoporous Cobalt and Chromium Nitrides. *Advanced Functional Materials*, **2008**, 18, 2436-2443	15.6	96
164	Evaporation-Induced Coating and Self-Assembly of Ordered Mesoporous Carbon-Silica Composite Monoliths with Macroporous Architecture on Polyurethane Foams. *Advanced Functional Materials*, **2008**, 18, 3914-3921	15.6	108
163	Mesoporous Fe2O3 microspheres: rapid and effective enrichment of phosphopeptides for MALDI-TOF MS analysis. *Journal of Colloid and Interface Science*, **2008**, 318, 315-21	9.3	66
162	Synthesis of ordered mesoporous crystalline carbon-anatase composites with high titania contents. *Journal of Colloid and Interface Science*, **2008**, 328, 367-73	9.3	25
161	A "teardown" method to create large mesotunnels on the pore walls of ordered mesoporous silica. *Journal of Colloid and Interface Science*, **2008**, 328, 338-43	9.3	7
160	The influence of precursors on Rh/SBA-15 catalysts for N2O decomposition. *Applied Catalysis B: Environmental*, **2008**, 84, 490-496	21.8	25
159	Direct electrochemistry of myoglobin based on bicontinuous gyroidal mesoporous carbon matrix. *Electrochemistry Communications*, **2008**, 10, 1864-1867	5.1	25
158	The pore structure evolution and stability of mesoporous carbon FDU-15 under CO2, O2 or water vapor atmospheres. *Microporous and Mesoporous Materials*, **2008**, 113, 305-314	5.3	35
157	Homopolymer induced phase evolution in mesoporous silica from evaporation induced self-assembly process. *Microporous and Mesoporous Materials*, **2008**, 116, 633-640	5.3	14
156	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, 28-9	16.4	1459
155	One-step synthesis of ordered mesoporous carbonaceous spheres by an aerosol-assisted self-assembly. *Chemical Communications*, **2007**, 2867-9	5.8	97
154	Ordered Mesoporous SiOC and SiCN Ceramics from Atmosphere-Assisted in Situ Transformation. *Chemistry of Materials*, **2007**, 19, 1761-1771	9.6	54
153	Mesoporous carbon single-crystals from organic-organic self-assembly. *Journal of the American Chemical Society*, **2007**, 129, 7746-7	16.4	101
152	Hard-sphere packing and icosahedral assembly in the formation of mesoporous materials. *Journal of the American Chemical Society*, **2007**, 129, 9044-8	16.4	68
151	Formation of mesoporous carbon with a face-centered-cubic Fd3$m structure and bimodal architectural pores from the reverse amphiphilic triblock copolymer PPO-PEO-PPO. *Angewandte Chemie - International Edition*, **2007**, 46, 1089-93	16.4	112
150	Uniform nanostructured arrays of sodium rare-earth fluorides for highly efficient multicolor upconversion luminescence. *Angewandte Chemie - International Edition*, **2007**, 46, 7976-9	16.4	323

149	Nitrogen-containing carbon spheres with very large uniform mesopores: The superior electrode materials for EDLC in organic electrolyte. *Carbon*, **2007**, 45, 1757-1763	10.4	302
148	Low-temperature solution synthesis of carbon nanoparticles, onions and nanoropes by the assembly of aromatic molecules. *Carbon*, **2007**, 45, 2209-2216	10.4	34
147	Nitrogen enriched mesoporous carbon spheres obtained by a facile method and its application for electrochemical capacitor. *Electrochemistry Communications*, **2007**, 9, 569-573	5.1	241
146	Synthesis and characterization of nickel phosphonopropionate hybrid materials. *Inorganic Chemistry Communication*, **2007**, 10, 447-450	3.1	13
145	Mesoporous tungsten titanate as matrix for matrix-assisted laser desorption/ionization time-of-flight mass spectrometry analysis of biomolecules. *Analytica Chimica Acta*, **2007**, 593, 13-9	6.6	11
144	Ordered bimodal mesoporous silica with tunable pore structure and morphology. *Microporous and Mesoporous Materials*, **2007**, 98, 6-15	5.3	36
143	Synthesis, structure, and adsorption properties of a three-dimensional porous yttrium□rganic coordination network. *Microporous and Mesoporous Materials*, **2007**, 98, 16-20	5.3	14
142	Organic-functionalized sodalite nanocrystals and their dispersion in solvents. *Microporous and Mesoporous Materials*, **2007**, 106, 262-267	5.3	21
141	Synthesis and phase behaviors of bicontinuous cubic mesoporous silica from triblock copolymer mixed anionic surfactant. *Microporous and Mesoporous Materials*, **2007**, 105, 34-40	5.3	24
140	Mesostructured pure and copper-catalyzed tungsten oxide for NO2 detection. *Sensors and Actuators B: Chemical*, **2007**, 126, 18-23	8.5	45
139	Concern Regarding the Synthesis of Single-Crystalline Nanostructures from the Polymerization of Furfuryl Alcohol. *Small*, **2007**, 3, 198-200	11	4
138	Hard-templating synthesis of a novel rod-like nanoporous calcium phosphate bioceramics and their capacity as antibiotic carriers. *Materials Chemistry and Physics*, **2007**, 103, 489-493	4.4	46
137	Highly ordered mesoporous carbonaceous frameworks from a template of a mixed amphiphilic triblock-copolymer system of PEO-PPO-PEO and reverse PPO-PEO-PPO. *Chemistry - an Asian Journal*, **2007**, 2, 1282-9	4.5	50
136	A zeolite-like zinc phosphonocarboxylate framework and its transformation into two- and three-dimensional structures. *Chemistry - an Asian Journal*, **2007**, 2, 1549-54	4.5	41
135	Designed synthesis of mesoporous solids via nonionic-surfactant-templating approach. *Chemical Communications*, **2007**, 897-926	5.8	279
134	Synthesis of highly ordered mesoporous crystalline WS(2) and MoS(2) via a high-temperature reductive sulfuration route. *Journal of the American Chemical Society*, **2007**, 129, 9522-31	16.4	134
133	On the controllable soft-templating approach to mesoporous silicates. *Chemical Reviews*, **2007**, 107, 2821-60	68.1	2000
132	Synthesis and characterization of Ti-SBA-16 ordered mesoporous silica composite. *Journal of Materials Science*, **2007**, 42, 7057-7061	4.3	54

131	Mesoporous Silica: An Efficient Nanoreactor for Liquid–Liquid Biphase Reactions. *Chemistry of Materials*, **2007**, 19, 4379-4381	9.6	53
130	The Synthesis of Mesoporous Molecular Sieves. *Studies in Surface Science and Catalysis*, **2007**, 168, 241-III	1.8	12
129	A facile aqueous route tosynthesize highly ordered mesoporous carbons with open pore structures. *Studies in Surface Science and Catalysis*, **2007**, 1856-1862	1.8	2
128	Synthesis of mesoporous carbon frameworks with graphitic walls by secondary hard template method. *Studies in Surface Science and Catalysis*, **2007**, 165, 373-376	1.8	3
127	Monodispersed Fullerene Derivatives Introduced into the Channels of Mesoporous Silica via Chemical Bond Interactions. *Bulletin of the Chemical Society of Japan*, **2007**, 80, 994-998	5.1	1
126	Organic groups functionalised mesoporous silicates. *International Journal of Nanotechnology*, **2007**, 4, 66	1.5	29
125	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, 1690-7	16.4	354
124	Facile Synthesis of Hierarchically Porous Carbons from Dual Colloidal Crystal/Block Copolymer Template Approach. *Chemistry of Materials*, **2007**, 19, 3271-3277	9.6	193
123	Controllable and repeatable synthesis of thermally stable anatase nanocrystal-silica composites with highly ordered hexagonal mesostructures. *Journal of the American Chemical Society*, **2007**, 129, 13894-904	16.4	216
122	Synthesis of Ordered Cubic Periodic Mesoporous Organosilicas with Ultra-Large Pores. *Chemistry of Materials*, **2007**, 19, 1870-1876	9.6	77
121	Mesostructured Silica SBA-16 with Tailored Intrawall Porosity Part 1: Synthesis and Characterization. *Journal of Physical Chemistry C*, **2007**, 111, 3053-3058	3.8	74
120	Ordered mesoporous polymers and polymer-silica anocomposites. *Studies in Surface Science and Catalysis*, **2007**, 170, 1721-1733	1.8	1
119	Hexylene- and octylene-bridged polysilsesquioxane hybrid crystals self-assembled by dimeric building blocks with ring structures. *Chemistry - A European Journal*, **2006**, 12, 8484-90	4.8	21
118	Nanopore-based proteolytic reactor for sensitive and comprehensive proteomic analyses. *Analytical Chemistry*, **2006**, 78, 4811-9	7.8	58
117	Anionic surfactant induced mesophase transformation to synthesize highly ordered large-pore mesoporous silica structures. *Journal of Materials Chemistry*, **2006**, 16, 1511		123
116	Manipulated photocurrent generation from pigment-exchanged photosynthetic proteins adsorbed to nanostructured WO3-TiO2 electrodes. *Chemical Communications*, **2006**, 785-7	5.8	15
115	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
114	An Aqueous Cooperative Assembly Route To Synthesize Ordered Mesoporous Carbons with Controlled Structures and Morphology. *Chemistry of Materials*, **2006**, 18, 5279-5288	9.6	226

113	On the origin of helical mesostructures. *Journal of the American Chemical Society*, **2006**, 128, 10460-6	16.4	182
112	Construction of 3D layer-pillared homoligand coordination polymers from a 2D layered precursor. *Inorganic Chemistry*, **2006**, 45, 8677-84	5.1	67
111	Pore structures of ordered large cage-type mesoporous silica FDU-12s. *Journal of Physical Chemistry B*, **2006**, 110, 21467-72	3.4	93
110	Photooxidation of olefins under oxygen in platinum(II) complex-loaded mesoporous molecular sieves. *Journal of the American Chemical Society*, **2006**, 128, 14685-90	16.4	121
109	Polynuclear Core-Based Nickel 1,4-Cyclohexanedicarboxylate Coordination Polymers as Temperature-Dependent Hydrothermal Reaction Products. *Crystal Growth and Design*, **2006**, 6, 664-668	3.5	72
108	Highly efficient enrichment and subsequent digestion of proteins in the mesoporous molecular sieve silicate SBA-15 for matrix-assisted laser desorption/ionization mass spectrometry with time-of-flight/time-of-flight analyzer peptide mapping. *Rapid Communications in Mass Spectrometry* , **2006**, 20, 3139-44	2.2	18
107	Surfactant-templated synthesis of 1D single-crystalline polymer nanostructures. *Small*, **2006**, 2, 517-21	11	21
106	Continuous Fixed-Bed Gas-Phase Hydroformylation over PPh3-Modified Mesostructured Cellular Foam-Supported Rh Catalyst. *Chinese Journal of Catalysis*, **2006**, 27, 1-3	11.3	6
105	Easy synthesis and supercapacities of highly ordered mesoporous polyacenes/carbons. *Carbon*, **2006**, 44, 1601-1604	10.4	26
104	The in-vitro bioactivity of mesoporous bioactive glasses. *Biomaterials*, **2006**, 27, 3396-403	15.6	290
103	Synthesis of ordered small pore mesoporous silicates with tailorable pore structures and sizes by polyoxyethylene alkyl amine surfactant. *Microporous and Mesoporous Materials*, **2006**, 90, 23-31	5.3	31
102	New organically templated gallium oxalate-phosphate structures based on Ga4(PO4)4(C2O4) building unit. *Journal of Solid State Chemistry*, **2006**, 179, 1931-1937	3.3	11
101	A Family of Highly Ordered Mesoporous Polymer Resin and Carbon Structures from Organic□Organic Self-Assembly. *Chemistry of Materials*, **2006**, 18, 4447-4464	9.6	931
100	"Host-guest" chemistry in the synthesis of ordered nonsiliceous mesoporous materials. *Accounts of Chemical Research*, **2006**, 39, 423-32	24.3	327
99	Photoelectric performance of bacteria photosynthetic proteins entrapped on tailored mesoporous WO3-TiO2 films. *Langmuir*, **2005**, 21, 4071-6	4	70
98	Three-dimensional low symmetry mesoporous silica structures templated from tetra-headgroup rigid bolaform quaternary ammonium surfactant. *Journal of the American Chemical Society*, **2005**, 127, 6780-7	16.4	77
97	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
96	Sol-gel synthesis of methyl-modified mesoporous materials with dual porosity. *Journal of Non-Crystalline Solids*, **2005**, 351, 777-783	3.9	12

95	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
94	Low-temperature strategy to synthesize highly ordered mesoporous silicas with very large pores. *Journal of the American Chemical Society*, **2005**, 127, 10794-5	16.4	232
93	Highly crystallized mesoporous TiO2 films and their applications in dye sensitized solar cells. *Journal of Materials Chemistry*, **2005**, 15, 2414		127
92	Nonionic Block Copolymer and Anionic Mixed Surfactants Directed Synthesis of Highly Ordered Mesoporous Silica with Bicontinuous Cubic Structure. *Chemistry of Materials*, **2005**, 17, 3228-3234	9.6	83
91	Synthesis of Large-Pore Periodic Mesoporous Organosilica (PMO) with Bicontinuous Cubic Structure of Ia3̄d Symmetry. *Chemistry Letters*, **2005**, 34, 182-183	1.7	24
90	Soft Template Synthesis of Highly Crystalline Microscale Nanotubules of PbO. *Chemistry Letters*, **2005**, 34, 1226-1227	1.7	5
89	Preparation of highly ordered mesoporous WO3/TiO2 as matrix in matrix-assisted laser desorption/ionization mass spectrometry. *Microporous and Mesoporous Materials*, **2005**, 78, 37-41	5.3	59
88	New catalysts for dichlorodifluoromethane hydrolysis: Mesostructured titanium and aluminum phosphates. *Journal of Molecular Catalysis A*, **2005**, 242, 218-223		16
87	Catalytic dehydrogenation and cracking of industrial dipentene over M/SBA-15 (M = Al, Zn) catalysts. *Applied Catalysis A: General*, **2005**, 296, 186-193	5.1	60
86	Synthesis of replica mesostructures by the nanocasting strategy. *Journal of Materials Chemistry*, **2005**,		38
85	Ordered mesoporous polymers and homologous carbon frameworks: amphiphilic surfactant templating and direct transformation. *Angewandte Chemie - International Edition*, **2005**, 44, 7053-9	16.4	1130
84	Ordered Mesoporous Polymers and Homologous Carbon Frameworks: Amphiphilic Surfactant Templating and Direct Transformation. *Angewandte Chemie*, **2005**, 117, 7215-7221	3.6	262
83	Mesoporous silica nanoreactors for highly efficient proteolysis. *Chemistry - A European Journal*, **2005**, 11, 5391-6	4.8	76
82	Hydrothermal synthesis and characterization of new hybrid open-framework indium phosphate-oxalates. *Science Bulletin*, **2004**, 49, 658-664		8
81	Highly ordered mesoporous bioactive glasses with superior in vitro bone-forming bioactivities. *Angewandte Chemie - International Edition*, **2004**, 43, 5980-4	16.4	535
80	Synthesis and characterization of small pore thick-walled SBA-16 templated by oligomeric surfactant with ultra-long hydrophilic chains. *Microporous and Mesoporous Materials*, **2004**, 67, 135-141	5.3	48
79	Block copolymer templating syntheses of ordered large-pore stable mesoporous aluminophosphates and Fe-aluminophosphate based on an acid/base pair route. *Microporous and Mesoporous Materials*, **2004**, 67, 123-133	5.3	69
78	Effects of ammonia/silica molar ratio on the synthesis and structure of bimodal mesopore silica xerogel. *Microporous and Mesoporous Materials*, **2004**, 71, 87-97	5.3	55

77	Immobilization of enzymes in mesoporous materials: controlling the entrance to nanospace. *Microporous and Mesoporous Materials*, **2004**, 73, 121-128	5.3	203
76	Electrochemistry and biosensing reactivity of heme proteins adsorbed on the structure-tailored mesoporous Nb2O5 matrix. *Analytica Chimica Acta*, **2004**, 519, 31-38	6.6	54
75	The unusual electrochemical characteristics of a novel three-dimensional ordered bicontinuous mesoporous carbon. *Chemical Physics Letters*, **2004**, 389, 327-331	2.5	33
74	The anion sequence in the phase transformation of mesostructures templated by non-ionic block copolymers. *Chemical Communications*, **2004**, 2240-1	5.8	44
73	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	3.4	166
72	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
71	Morphology Development of Mesoporous Materials: a Colloidal Phase Separation Mechanism. *Chemistry of Materials*, **2004**, 16, 889-898	9.6	279
70	Preparation and Enhanced Electrochromic Property of Three-dimensional Ordered Mesostructured Mixed Tungsten□titanium Oxides. *Chemistry Letters*, **2004**, 33, 1396-1397	1.7	11
69	[Ni3(cit)2(pyz)(H2O)4](H2O)4: A New Three-dimensional Porous Coordination Polymer with a Pillared Layer Structure. *Chemistry Letters*, **2004**, 33, 1514-1515	1.7	5
68	An Easy Route for the Synthesis of Ordered Three-Dimensional Large-Pore Mesoporous Organosilicas withIm-3mSymmetry. *Chemistry Letters*, **2004**, 33, 1132-1133	1.7	12
67	Microwave-Assisted Solvothermal Synthesis of Radial ZnS Nanoribbons. *Chemistry Letters*, **2004**, 33, 522-523	1.7	21
66	Synthesis and characterization of a novel organically templated open framework zirconogermanate with three- and seven-membered rings. *Inorganic Chemistry*, **2003**, 42, 5960-5	5.1	15
65	Cubic mesoporous silica with large controllable entrance sizes and advanced adsorption properties. *Angewandte Chemie - International Edition*, **2003**, 42, 3146-50	16.4	446
64	Synthesis of large-pore Ia3d mesoporous silica and its tubelike carbon replica. *Angewandte Chemie - International Edition*, **2003**, 42, 3930-4	16.4	106
63	Hydrothermal synthesis of two layered indium oxalates with 12-membered apertures. *Journal of Solid State Chemistry*, **2003**, 173, 435-441	3.3	15
62	Hydrothermal synthesis of new berylloborophosphates MIBeBPO (MI=K+, Na+ and NH4+) with zeolite ANA framework topology. *Microporous and Mesoporous Materials*, **2003**, 57, 309-316	5.3	29
61	(NH4)2ZrGe3O9: a new microporous zirconogermanate. *Acta Crystallographica Section C: Crystal Structure Communications*, **2003**, 59, i29-31		1
60	Self-adjusted synthesis of ordered stable mesoporous minerals by acid-base pairs. *Nature Materials*, **2003**, 2, 159-63	27	418

59	One-step nanocasting synthesis of highly ordered single crystalline indium oxide nanowire arrays from mesostructured frameworks. *Journal of the American Chemical Society*, **2003**, 125, 4724-5	16.4	195
58	Synthesis of Mesoporous Silica from Commercial Poly(ethylene oxide)/Poly(butylene oxide) Copolymers: Toward the Rational Design of Ordered Mesoporous Materials. *Journal of Physical Chemistry B*, **2003**, 107, 13368-13375	3.4	78
57	Synthesis of Highly Ordered Thermally Stable Cubic Mesostructured Zirconium Oxophosphate Templated by Tri-Headgroup Quaternary Ammonium Surfactants. *Chemistry of Materials*, **2003**, 15, 4046-4051	9.6	38
56	A Fast Way for Preparing Crack-Free Mesostructured Silica Monolith. *Chemistry of Materials*, **2003**, 15, 536-541	9.6	139
55	Controllable Assembly of Ordered Semiconductor Ag2S Nanostructures. *Nano Letters*, **2003**, 3, 85-88	11.5	118
54	Recent advances in the synthesis of non-siliceous mesoporous materials. *Current Opinion in Solid State and Materials Science*, **2003**, 7, 191-197	12	106
53	Synthesis of a new organically templated zeolite-like zirconogermanate (C4N2H12)[ZrGe4O10F2] with cavansite topology. *Journal of Materials Chemistry*, **2003**, 13, 308-311		19
52	Single-strand spider silk templating for the formation of hierarchically ordered hollow mesoporous silica fibers. *Journal of Materials Chemistry*, **2003**, 13, 666-668		57
51	Structural studies of the whole series of lanthanide double-decker compounds with mixed 2,3-naphthalocyaninato and octaethylporphyrinato ligands. *New Journal of Chemistry*, **2003**, 27, 844-849	3.6	35
50	Synthesis of germanium oxide mesostructures with a new intermediate state. *Microporous and Mesoporous Materials*, **2002**, 56, 219-225	5.3	17
49	A template-free method for hollow Ag2S semiconductor with a novel quasi-network microstructure. *Chemical Physics Letters*, **2002**, 360, 355-358	2.5	21
48	In situ adsorption method for synthesis of binary semiconductor CdS nanocrystals inside mesoporous SBA-15. *Chemical Physics Letters*, **2002**, 360, 585-591	2.5	33
47	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
46	The assembly of semiconductor sulfide nanocrystallites with organic reagents as templates. *Nanotechnology*, **2002**, 13, 741-745	3.4	31
45	Three-Dimensional Cubic Mesoporous Structures of SBA-12 and Related Materials by Electron Crystallography. *Journal of Physical Chemistry B*, **2002**, 106, 3118-3123	3.4	141
44	Cuprite Nanowires by Electrodeposition from Lyotropic Reverse Hexagonal Liquid Crystalline Phase. *Chemistry of Materials*, **2002**, 14, 876-880	9.6	99
43	Fast preparation of highly ordered nonsiliceous mesoporous materials via mixed inorganic precursors. *Chemical Communications*, **2002**, 1824-5	5.8	137
42	Nonionic block copolymer synthesis of large-pore cubic mesoporous single crystals by use of inorganic salts. *Journal of the American Chemical Society*, **2002**, 124, 4556-7	16.4	296

41	[C6N4H24]CoBe6P6O24□3H2O: a novel 3-dimensional beryllophosphate zeolite-like structure encapsulating CoII ions. *Journal of Materials Chemistry*, **2002**, 12, 658-662		23
40	Highly ordered mesoporous silica structures templated by poly(butylene oxide) segment di- and tri-block copolymers. *Microporous and Mesoporous Materials*, **2001**, 44-45, 65-72	5.3	41
39	Hierarchical porous structures by using zeolite nanocrystals as building blocks. *Microporous and Mesoporous Materials*, **2001**, 48, 73-78	5.3	33
38	Strongly Acidic and High-Temperature Hydrothermally Stable Mesoporous Aluminosilicates with Ordered Hexagonal Structure. *Angewandte Chemie - International Edition*, **2001**, 40, 1258-1262	16.4	344
37	Performance of Pt/Al-SBA-15 catalysts in hydroisomerization of n-dodecane. *Catalysis Letters*, **2001**, 71, 117-125	2.8	37
36	Comparison of disordered mesoporous aluminosilicates with highly ordered Al-MCM-41 on stability, acidity and catalytic activity. *Catalysis Today*, **2001**, 68, 11-20	5.3	49
35	Mesoporous aluminosilicates with ordered hexagonal structure, strong acidity, and extraordinary hydrothermal stability at high temperatures. *Journal of the American Chemical Society*, **2001**, 123, 5014-21	16.4	325
34	Salt effect in the synthesis of mesoporous silica templated by non-ionic block copolymers. *Chemical Communications*, **2001**, 2726-2727	5.8	116
33	Controlled Synthesis of Semiconductor PbS Nanocrystals and Nanowires Inside Mesoporous Silica SBA-15 Phase. *Nano Letters*, **2001**, 1, 743-748	11.5	147
32	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, 12113-4	16.4	160
31	Chemical Vapor Deposition Growth of Well-Aligned Carbon Nanotube Patterns on Cubic Mesoporous Silica Films by Soft Lithography. *Chemistry of Materials*, **2001**, 13, 2240-2242	9.6	62
30	Directed growth of multiwalled carbon nanotubes from ordered porous silica structures. *Journal of Materials Chemistry*, **2001**, 11, 2934-2936		6
29	Molecularly ordered inorganic frameworks in layered silicate surfactant mesophases. *Journal of the American Chemical Society*, **2001**, 123, 4519-29	16.4	115
28	Hydrothermal Synthesis of New Pure Beryllophosphate Molecular Sieve Phases from Concentrated Amines. *Chemistry of Materials*, **2001**, 13, 2042-2048	9.6	36
27	Doped mesoporous silica fibers: the internal structure. *Microporous and Mesoporous Materials*, **2000**, 39, 37-42	5.3	18
26	Highly ordered large caged cubic mesoporous silica structures templated by triblock PEO□PBO□PEO copolymer. *Chemical Communications*, **2000**, 575-576	5.8	235
25	Morphological Control of Highly Ordered Mesoporous Silica SBA-15. *Chemistry of Materials*, **2000**, 12, 275-279	9.6	979
24	Fabrication of Ordered Porous Structures by Self-Assembly of Zeolite Nanocrystals. *Journal of the American Chemical Society*, **2000**, 122, 3530-3531	16.4	247

23	Hexagonal to Mesocellular Foam Phase Transition in Polymer-Templated Mesoporous Silicas. *Langmuir*, **2000**, 16, 8291-8295	4	374
22	Block Copolymer Templating Syntheses of Mesoporous Metal Oxides with Large Ordering Lengths and Semicrystalline Framework. *Chemistry of Materials*, **1999**, 11, 2813-2826	9.6	1011
21	Doped Mesoporous Silica Fibers: A New Laser Material. *Advanced Materials*, **1999**, 11, 632-636	24	201
20	Mesocellular Siliceous Foams with Uniformly Sized Cells and Windows. *Journal of the American Chemical Society*, **1999**, 121, 254-255	16.4	712
19	Incorporation of Titanium into Mesoporous Silica Molecular Sieve SBA-15. *Chemistry of Materials*, **1999**, 11, 3680-3686	9.6	292
18	Alumination and Ion Exchange of Mesoporous SBA-15 Molecular Sieves. *Chemistry of Materials*, **1999**, 11, 1621-1627	9.6	356
17	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
16	Doped Mesoporous Silica Fibers: A New Laser Material **1999**, 11, 632		2
15	Doped Mesoporous Silica Fibers: A New Laser Material **1999**, 11, 632		4
14	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	16.4	5794
13	Generalized syntheses of large-pore mesoporous metal oxides with semicrystalline frameworks. *Nature*, **1998**, 396, 152-155	50.4	2217
12	Triblock-Copolymer-Directed Syntheses of Large-Pore Mesoporous Silica Fibers. *Chemistry of Materials*, **1998**, 10, 2033-2036	9.6	251
11	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	16.4	166
10	Electron Spin Resonance and Electron Spin Echo Modulation Spectroscopy of Aluminophosphate-Based Mesoporous Molecular Sieve Containing Framework Manganese. *Journal of Physical Chemistry B*, **1997**, 101, 6943-6948	3.4	28
9	Synthesis of mesoporous manganosilicates Mn-MCM-41, Mn-MCM-48 and Mn-MCM-L at a low surfactant/Si ratio. *Studies in Surface Science and Catalysis*, **1995**, 181-188	1.8	19
8	Synthesis of mesoporous manganosilicates: Mn-MCM-41, Mn-MCM-48 and Mn-MCM-L. *Journal of the Chemical Society Chemical Communications*, **1995**, 875		146
7	Synthesis and characterization of hydroxy-CrAl pillared clays. *Zeolites*, **1995**, 15, 58-66		29
6	Preparation and characterization of lanthanum-doped pillared clays. *Materials Research Bulletin*, **1993**, 28, 939-949	5.1	12

5	Highly stable hybrid single-micelle: a universal nanocarrier for hydrophobic bioimaging agents. *Nano Research*,1	10	0
4	Interfacial Assembly of Functional Mesoporous Carbon-Based Materials into Films for Batteries and Electrocatalysis. *Advanced Materials Interfaces*,2101998	4.6	4
3	Active Plasmonics in Kirigami Configurations Toward High-Performance Smart Windows. *SSRN Electronic Journal*,	1	2
2	Ordered Mesoporous Materials277-300		2
1	Synthesis of Ni/NiO@MoO 3□x Composite Nanoarrays for High Current Density Hydrogen Evolution Reaction. *Advanced Energy Materials*,2200001	21.8	5