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2344	The use of ordered mesoporous materials for improving the mesopore size analysis: Current state and future. 2002 , 437-444		5
2343	Synthesis and characterization of methyl- and vinyl-functionalized ordered mesoporous silicas with high organic content. 2002 , 141, 197-204		14
2342	Polyfunctionalized silica adsorbents obtained by using dodecylamine as template. 2002 , 141, 205-212		3
2341	Synthesis and characterization of polymer-templated ordered silica with cage-like mesostructure. 2002 , 141, 61-68		
2340	Novel vesicular mesoporous material templated by catanionic surfactant self-assembly. 2002 , 142, 1189-1196		1
2339	Evidence for General Nature of Pore Interconnectivity in 2-Dimensional Hexagonal Mesoporous Silicas Prepared Using Block Copolymer Templates. 2002 , 106, 4640-4646		192
2338	Synthesis and properties of 1,3,5-benzene periodic mesoporous organosilica (PMO): novel aromatic PMO with three point attachments and unique thermal transformations. 2002 , 124, 13886-95		137
2337	Determination of Mesopore Size Distributions from Argon Adsorption Data at 77 K. 2002 , 106, 4732-4739		93
2336	Synthesis of Cubic Hybrid OrganicInorganic Mesostructures with Dodecahedral Morphology from a Binary Surfactant Mixture. <i>Chemistry of Materials</i> , 2002 , 14, 3509-3514	9.6	99

2335	Control of Particle Size and Surface Properties of Crystals of NaX Zeolite. <i>Chemistry of Materials</i> , 2002 , 14, 3636-3642	9.6	144
2334	Templated Growth of Alumina-Based Fibers through the Use of Anthracenic Organogelators. <i>Chemistry of Materials</i> , 2002 , 14, 5124-5133	9.6	35
2333	Determination of Phase Composition of MCM-48/Lamellar Phase Mixtures Using Nitrogen Adsorption and Thermogravimetry. <i>Chemistry of Materials</i> , 2002 , 14, 4434-4442	9.6	25
2332	Modifying the walls of mesoporous silicas prepared by supramolecular-templating. 2002 , 7, 92-106		62
2331	Investigation of vapor-phase silica deposition on MCM-41, using tetraalkoxysilanes. 2002 , 56, 101-109		10
2330	Critical appraisal of classical methods for determination of mesopore size distributions of MCM-41 materials. 2002 , 196, 216-223		68
2329	An ordered mesoporous organosilica hybrid material with a crystal-like wall structure. 2002 , 416, 304-7		1186
2328	Origin and fate of Lake Vostok water frozen to the base of the East Antarctic ice sheet. 2002 , 416, 307-10		107
2327	Chemical strategies to design textured materials: from microporous and mesoporous oxides to nanonetworks and hierarchical structures. 2002 , 102, 4093-138		1708
2326	Metamorphosis of ordered mesopores to micropores: periodic silica with unprecedented loading of pendant reactive organic groups transforms to periodic microporous silica with tailorable pore size. 2002 , 124, 6383-92		113
2325	Probe Molecule Kinetic Studies of Adsorption on MCM-41. 2003 , 107, 1012-1020		43
2324	Hollow Spheres of Mesoporous Aluminosilicate with a Three-Dimensional Pore Network and Extraordinarily High Hydrothermal Stability. 2003 , 3, 609-612		290
2323	Controlled formation of highly organized mesoporous titania thin films: from mesostructured hybrids to mesoporous nanoanatase TiO ₂ . 2003 , 125, 9770-86		815
2322	The effect of silica template structure on the pore structure of mesoporous carbons. 2003 , 41, 1049-1056		59
2321	MCM-41-supported Co-Mo catalysts for deep hydrodesulfurization of light cycle oil. 2003 , 86, 129-140		89
2320	Nanoparticles Made in Mesoporous Solids. 2003 , 55-89		70
2319	Synthesis and Characterization of Hexagonally Ordered Carbon Nanopipes. <i>Chemistry of Materials</i> , 2003 , 15, 2815-2823	9.6	240
2318	Argon Adsorption at 77 K as a Useful Tool for the Elucidation of Pore Connectivity in Ordered Materials with Large Cage-like Mesopores. <i>Chemistry of Materials</i> , 2003 , 15, 2942-2949	9.6	136

2317	Ordered mesoporous silica with large cage-like pores: structural identification and pore connectivity design by controlling the synthesis temperature and time. 2003 , 125, 821-9	349
2316	Characterization of Regular and Plugged SBA-15 Silicas by Using Adsorption and Inverse Carbon Replication and Explanation of the Plug Formation Mechanism. 2003 , 107, 2205-2213	167
2315	Monolithic Nanostructured Silicate Family Templated by Lyotropic Liquid-Crystalline Nonionic Surfactant Mesophases. <i>Chemistry of Materials</i> , 2003 , 15, 2892-2902	9.6 56
2314	Electrochemically deposited sol-gel-derived silicate films as a viable alternative in thin-film design. 2003 , 75, 5399-405	124
2313	On comparing BJH and NLDFT pore-size distributions determined from N ₂ sorption on SBA-15 substrata. 2003 , 5, 1859	97
2312	Lanthanum strontium manganite/yttria-stabilized zirconia nanocomposites derived from a surfactant assisted, co-assembled mesoporous phase. 2003 , 125, 5161-75	70
2311	Aerosol generated mesoporous silica particles. 2003 , 13, 3011	80
2310	Novel route to periodic mesoporous aminosilicas, PMAs: ammonolysis of periodic mesoporous organosilicas. 2003 , 125, 11662-73	57
2309	Argon and nitrogen adsorption on ordered silicas with channel-like and cage-like mesopores: implications for characterization of porous solids. 2003 , 146, 343-346	2
2308	MESOPOROUS MATERIALS. 2003 , 39-68	4
2307	Gas adsorption: A valuable tool for the pore size analysis and pore structure elucidation of ordered mesoporous materials. 2003 , 146, 263-269	8
2306	Synthesis of Organically-Modified Silica Particles for Use as Nanofillers in Polymer Systems. 2004 , 12, 101-110	8
2305	Structural Study of Inorganic Oxides in a Hybrid Organic-Inorganic Solid Polymer Electrolyte. 2004 , 108, 5851-5858	8
2304	Mesoporous Materials. 2004 , 845-851	
2303	Structural characterization of porous low-k thin films prepared by different techniques using x-ray porosimetry. 2004 , 95, 2355-2359	51
2302	Benzene Adsorption Isotherms on MCM-41 and their Use for Pore Size Analysis. 2004 , 10, 195-203	12
2301	Generation and Transport of Smoke Components. 2004 , 40, 149-176	52
2300	Application of density functional theory to capillary phenomena in cylindrical mesopores with radial and longitudinal density distributions. 2004 , 120, 9769-81	22

2299	Nanoengineering of a magnetically separable hydrogenation catalyst. 2004 , 43, 4303-6		457
2298	Nanoengineering of a Magnetically Separable Hydrogenation Catalyst. 2004 , 116, 4403-4406		151
2297	Formation of porous structure via catalytically promoted decomposition of hydrotalcites intercalating hexachloroplatinate. 2004 , 172, 81-84		5
2296	Cu state and behaviour in MCM-41 mesoporous molecular sieves modified with copper during the synthesis—comparison with copper exchanged materials. 2004 , 74, 23-36		49
2295	Catalytic performance of Nafion/SiO ₂ nanocomposites for the synthesis of tocopherol. 2004 , 275, 247-255		23
2294	An investigation of fractal characteristics of mesoporous carbon electrodes with various pore structures. 2004 , 49, 4171-4180		117
2293	Textural and structural properties of niobium-containing micro-, meso- and macroporous molecular sieves. 2004 , 241, 103-111		18
2292	CO ₂ -induced micro-construction of hierarchical strings of mesoporous silica spheroids. 2004 , 383, 348-352		8
2291	Synthesis and characterization of lanthanum incorporated mesoporous molecular sieves. 2004 , 238, 320-323	11	
2290	Formation of Molecularly Ordered Layered Mesoporous Silica via Phase Transformation of Silicate-Surfactant Composites. 2004 , 108, 11361-11367		22
2289	Synthesis and Surface Chemistry of Spherical Mesoporous Organic-Inorganic Hybrid Particles with an Integrated Alcohol Functionality on the Pore Surface. <i>Chemistry of Materials</i> , 2004 , 16, 670-681	9.6	26
2288	Synthesis and Characterization of Polymer-Templated Mesoporous Silicas Containing Niobium. 2004 , 108, 3722-3727		25
2287	Synthesis of Ordered Mixed Titania and Silica Mesostructured Monoliths for Gold Catalysts. 2004 , 108, 20038-20044		40
2286	Influence of the Kind of Layered Disodium Disilicates on the Formation of Silica-Organic Mesostructured Materials. <i>Chemistry of Materials</i> , 2004 , 16, 3224-3230	9.6	15
2285	Comparative Analysis of Structural and Morphological Properties of Large-Pore Periodic Mesoporous Organosilicas and Pure Silicas. 2004 , 108, 16441-16450		33
2284	Inorganic-Organic Hybrid Materials Containing Porous Frameworks: Synthesis, Characterization, and Magnetic Properties of the Open Framework Solids [Co(4,4-Bipy)]V ₂ O ₆] and [Co ₂ (4,4-Bipy) ₃ (H ₂ O) ₂]V ₄ O ₁₂]·2H ₂ O. <i>Chemistry of Materials</i> , 2004 , 16, 5273-5279	9.6	54
2283	Hard-Templating Pathway To Create Mesoporous Magnesium Oxide. <i>Chemistry of Materials</i> , 2004 , 16, 5676-5681	9.6	218
2282	Ordered Porous Carbons with Tunable Pore Sizes as Catalyst Supports in Direct Methanol Fuel Cell. 2004 , 108, 7074-7079		302

2281	Room-Temperature Ionic Liquids as Template to Monolithic Mesoporous Silica with Wormlike Pores via a Sol-Gel Nanocasting Technique. 2004 , 4, 477-481		458
2280	Hexagonal-Structured Polysiloxane Material Prepared by Sol-Gel Reaction of Aminoalkyltrialkoxysilane without Using Surfactants. <i>Chemistry of Materials</i> , 2004 , 16, 3417-3423	9.6	94
2279	Simple surfactant-free route to mesoporous organic-inorganic hybrid silicas containing covalently bound cyclodextrins. 2004 , 69, 2213-6		26
2278	Synthesis of Periodic Mesoporous Ethylenesilica under Acidic Conditions. <i>Chemistry of Materials</i> , 2004 , 16, 1756-1762	9.6	82
2277	Surfactant templated sulfonic acid functionalized silica microspheres as new efficient ion exchangers and electrode modifiers. 2004 , 20, 3632-40		104
2276	New heterogeneous polyoxometalate based mesoporous catalysts for hydrogen peroxide mediated oxidation reactions. 2004 , 126, 884-90		217
2275	Facile Route for the Preparation of Hollow Silica Using Aromatic Desilylation in Phenylsilsesquioxane Particles. 2004 , 33, 1326-1327		3
2274	Effective Dewetting in a Microporous Particle. 2005 , 127, 1128-1131		9
2273	Synthesis of niobium molecular sieves with a new Nb source and catalytic oxidation of cyclohexene. 2005 , 156, 163-170		2
2272	Abnormal FT-IR and FT-Raman spectra of ionic liquids confined in nano-porous silica gel. 2005 , 62, 239-44		73
2271	Template synthesis of large pore ordered mesoporous carbon. 2005 , 80, 117-128		71
2270	Synthesis of proton conducting tungstosilicate mesoporous materials and polymer composite membranes. 2005 , 81, 217-234		6
2269	Synthesis of La ³⁺ doped mesoporous titania with highly crystallized walls. 2005 , 79, 93-99		80
2268	Fluorinated surfactant templating of vinyl-functionalized nanoporous silica. 2005 , 85, 16-24		10
2267	Marvelous self-assembly of hierarchically nanostructured porous zirconium phosphate solid acids with high thermal stability. 2005 , 105, 647-654		54
2266	Synthesis of a thermally stable mesoporous aluminophosphate by using sodium aluminate as precursor. 2005 , 268, 40-44		3
2265	Adsorption of argon and nitrogen in cylindrical pores of MCM-41 materials: application of density functional theory. 2005 , 252, 1013-1028		16
2264	Structural relation properties of hydrothermally stable functionalized mesoporous organosilicas and catalysis. 2005 , 109, 12250-6		89

2263	Modeling Nitrogen Adsorption in Spherical Pores of Siliceous Materials by Density Functional Theory. 2005 , 1, 653-61	9
2262	Equilibrium adsorption in cylindrical mesopores: a modified Broekhoff and de Boer theory versus density functional theory. 2005 , 109, 1947-58	45
2261	Direct Synthesis of Highly Stable Mesoporous Molecular Sieves Containing Zeolite Building Units. 2005 , 15, 253-258	50
2260	Single-Source Precursors For Synthesizing Bifunctional Periodic Mesoporous Organosilicas. 2005 , 15, 259-266	42
2259	Fluorinated-Surfactant-Templated Synthesis of Hollow Silica Particles with a Single Layer of Mesopores in Their Shells. 2005 , 17, 2368-2371	108
2258	Effect of drying on the mesoporous structure of sol-gel derived silica with PPO-PEO-PPO template block copolymer. 2005 , 284, 222-7	23
2257	Short-time synthesis of SBA-15 using various silica sources. 2005 , 287, 717-20	60
2256	PVdF-HFP/P123 hybrid with mesopores: a new matrix for high-conducting, low-leakage porous polymer electrolyte. 2005 , 46, 5929-5938	97
2255	Correlation of Adsorption Equilibrium Data for Water Vapor on F-200 Activated Alumina. 2005 , 11, 65-75	16
2254	Modeling of Adsorption in Finite Cylindrical Pores by Means of Density Functional Theory. 2005 , 11, 455-477	23
2253	Capillary Phenomena in the Framework of the Two-Dimensional Density Functional Theory. 2005 , 11, 133-138	7
2252	Organic zeolites. 2005 , 37-54	13
2251	Synthesis of hollow spherical mesoporous N-doped carbon materials with graphitic framework. 2005 , 565-572	13
2250	Large- and small-nanopore silica prepared with a short-chain cationic fluorinated surfactant. 2005 , 16, S502-7	15
2249	Stimuli-Responsive Supramolecular Solids: Functional Porous and Inclusion Materials. 2005 , 214-231	6
2248	Synthesis and adsorption properties of FDU-1 silica with carbon deposited in mesopores. 2005 , 156, 489-496	
2247	Synthesis of mesoporous molecular sieves. 2005 , 157, 91-110	32
2246	Triblock copolymer-assisted synthesis of a hybrid mesoporous ethenylene-silica with 2D hexagonal structure and large pores. 2005 , 15, 2362	24

2245	Synthesis of ordered macroporous SiO ₂ in supercritical CO ₂ using 3D-latex array templates. 2005 , 2618-20		17
2244	Synthesis of Thermally Stable and 2-D Hexagonal Super-Microporous Silica from Hydrated Sodium Disilicate. <i>Chemistry of Materials</i> , 2005 , 17, 6416-6421	9.6	28
2243	Shrinkage and Springback Behavior of Methylsilsequioxanes Prepared by an Acid/Base Two-Step Processing Procedure. <i>Chemistry of Materials</i> , 2005 , 17, 6012-6017	9.6	17
2242	Type I collagen, a versatile liquid crystal biological template for silica structuration from nano- to microscopic scales. 2005 , 1, 129-131		80
2241	Large Pore Methylene-Bridged Periodic Mesoporous Organosilicas: Synthesis, Bifunctionalization and Their Use as Nanotemplates. <i>Chemistry of Materials</i> , 2005 , 17, 6407-6415	9.6	23
2240	Preparation of Mesoporous Titania Thin Films with Remarkably High Thermal Stability. <i>Chemistry of Materials</i> , 2005 , 17, 1269-1271	9.6	51
2239	Electrokinetic effects on the transport of charged analytes in biporous media with discrete ion-permselective regions. 2005 , 77, 5839-50		28
2238	Synthesis of mesoporous aluminophosphate (ALPO) and investigation of zirconium incorporation into mesoporous ALPOs. 2005 , 109, 9284-93		15
2237	Distribution of carbon nanotube sizes from adsorption measurements and computer simulation. 2005 , 109, 14659-66		30
2236	Large-pore mesoporous nanocrystalline titania thin films synthesized through evaporation-induced self-assembly. 2005 , 59, 3308-3310		39
2235	Generalized and Facile Synthesis Approach to N-Doped Highly Graphitic Mesoporous Carbon Materials. <i>Chemistry of Materials</i> , 2005 , 17, 1553-1560	9.6	174
2234	Improvement of the Derjaguin-Broekhoff-de Boer theory for the capillary condensation/evaporation of nitrogen in spherical cavities and its application for the pore size analysis of silicas with ordered cage-like mesopores. 2005 , 21, 10530-6		13
2233	Pore size characterization of mesoporous materials by a thermodynamic approach: A curvature-dependent solid-fluid potential. 2005 , 663-672		1
2232	Fabrication and Characterization of Mesostructured Silica, HUM-1, and Its Ordered Mesoporous Carbon Replica. 2005 , 44, 4316-4322		13
2231	Controlled polymerization in mesoporous silica toward the design of organic-inorganic composite nanoporous materials. 2005 , 127, 1924-32		243
2230	Improvement of the Derjaguin-Broekhoff-de Boer theory for capillary condensation/evaporation of nitrogen in mesoporous systems and its implications for pore size analysis of MCM-41 silicas and related materials. 2005 , 21, 1827-33		37
2229	Postsynthesis vapor-phase functionalization of MCM-48 with hexamethyldisilazane and 3-aminopropyltrimethylethoxysilane for bioseparation applications. 2005 , 109, 16263-71		15
2228	Tailoring properties of SBA-15 materials by controlling conditions of hydrothermal synthesis. 2005 , 15, 5049		123

2227	A method for the preparation of transparent mesoporous silica sol-gel monoliths containing grafted organic functional groups. 2005 , 15, 2356		26
2226	Incorporation of luminescent lanthanide complex inside the channels of organically modified mesoporous silica via template-ion exchange method. 2005 , 29, 1351		75
2225	Hexagonally ordered mesoporous ternary Li ₂ O-TiO ₂ -P ₂ O ₅ oxides with high lithium content. 2005 , 5187-9		4
2224	Nanostructures and Optical Properties of Mesoporous Composite Nanofibers Containing CdS Quantum Dots. <i>Chemistry of Materials</i> , 2005 , 17, 5651-5657	9.6	25
2223	Synthesis of highly loaded Cu/Ce mesoporous silica. Active catalyst for the simultaneous reduction of SO ₂ and NO with CO. 2006 , 1268-70		6
2222	Catalytic cracking of large molecules over hierarchical zeolites. 2006 , 1769-71		57
2221	Periodic mesoporous organosilicas: mesophase control via binary surfactant mixtures. 2006 , 16, 1238		34
2220	Accurate relations between pore size and the pressure of capillary condensation and the evaporation of nitrogen in cylindrical pores. 2006 , 22, 4165-9		35
2219	Synthesis of heat-resistant mesoporous SiOC ceramic and its hydrogen adsorption. 2006 , 16, 558-562		29
2218	Formation of highly ordered mesoporous titania films consisting of crystalline nanopillars with inverse mesospace by structural transformation. 2006 , 128, 4544-5		129
2217	Experimental investigation on pressurized liquid in confining nanoenvironment. 2006 , 89, 093108		12
2216	Temperature-programmed microwave-assisted synthesis of SBA-15 ordered mesoporous silica. 2006 , 128, 14408-14		127
2215	Synthesis of mesoporous silica hollow spheres in supercritical CO ₂ /water systems. 2006 , 16, 1751		63
2214	Surfactant mediated control of pore size and morphology for molecularly ordered ethylene-bridged periodic mesoporous organosilica. 2006 , 110, 3889-94		32
2213	Molecularly Ordered Ethylene-Bridged Periodic Mesoporous Organosilica Spheres with Tunable Micrometer Sizes. <i>Chemistry of Materials</i> , 2006 , 18, 1141-1148	9.6	49
2212	Carbide-Derived Nanoporous Carbon and Novel Core-Shell Nanowires. <i>Chemistry of Materials</i> , 2006 , 18, 753-758	9.6	22
2211	Chapter 3 Characterization of nanoporous carbons by using gas adsorption isotherms. 2006 , 107-158		19
2210	Enrichment of phosphopeptides by Fe ³⁺ -immobilized mesoporous nanoparticles of MCM-41 for MALDI and nano-LC-MS/MS analysis. 2006 , 5, 3114-24		65

2209	Tailoring the performance of polymer composites via altering the properties of the intrapore polymers of MCM-48 nanocomposites as fillers. 2006 , 37, 379-384	20
2208	Improvement of the Kruk-Jaroniec-Sayari method for pore size analysis of ordered silicas with cylindrical mesopores. 2006 , 22, 6757-60	251
2207	Fabrication of Hierarchically Structured Monolithic Silicalite-1 through Steam-assisted Conversion of Macroporous Silica Gel. 2006 , 35, 490-491	9
2206	Effect of microcrystallite structures on electrochemical characteristics of mesoporous carbon electrodes for electric double-layer capacitors. 2006 , 51, 3029-3038	50
2205	Uranyl pyridine-dicarboxylate compounds with clustered water molecules. 2006 , 9, 595-598	65
2204	Application of a generalized thermodynamic approach to characterize mesoporous materials. 2006 , 272, 68-81	11
2203	Increasing the hydrothermal stability of mesoporous SiO ₂ with methylchlorosilanes: A structural study. 2006 , 88, 63-71	25
2202	Microporous aluminum bisphosphonates. 2006 , 88, 293-303	36
2201	Pore size design of ordered mesoporous silicas by controlling micellar properties of triblock copolymer EO ₂₀ PO ₇₀ EO ₂₀ . 2006 , 89, 179-185	63
2200	Molecularly ordered layered aluminosilicate-surfactant mesophases and their conversion to hydrothermally stable mesoporous aluminosilicates. 2006 , 94, 295-303	12
2199	Direct formation of hydrophobic silica-based micro/mesoporous hybrids from polymethylhydrosiloxane and tetraethoxysilane. 2006 , 95, 180-186	39
2198	Synthesis of bi-porous TiO ₂ with crystalline framework using a double surfactant system. 2006 , 95, 220-225	26
2197	A simple solution calcination route to porous MgO nanoplates. 2006 , 96, 428-433	36
2196	Comparative thermogravimetric and adsorption study of highly ordered mesoporous materials. 2006 , 296, 377-80	10
2195	Comparison of nitrogen adsorption at 77 K on non-porous silica and pore wall of MCM-41 materials by means of density functional theory. 2006 , 297, 480-8	7
2194	Synthesis of mesoporous titania with high photocatalytic activity by nanocrystalline particle assembly. 2006 , 87, 177-184	35
2193	Selective reduction of bulky polycyclic aromatic hydrocarbons from mainstream smoke of cigarettes by mesoporous materials. 2006 , 91, 238-243	13
2192	Mesoporous silica powders and films: Pore size characterization by krypton adsorption. 2006 , 91, 244-253	21

2191	Ordered mesoporous carbons from the carbonization of sulfuric-acid-treated silica/triblock copolymer/sucrose composites. 2006 , 94, 9-14	51
2190	Hybrid materials for immobilization of MP-11 catalyst. 2006 , 38, 269-278	83
2189	Preparation of Self-Standing, Submillimeter-Thick Porous Titania Films with Anatase Nanocrystallites Using Evaporation-Induced Self-Assembly. 2006 , 16, 169-173	6
2188	Synthesis and characterization of a series of mesoporous nanocrystalline lanthanides phosphate. 2006 , 13, 237-244	13
2187	Synthesis of Pd Nanoparticles in La-doped Mesoporous Titania with Polycrystalline Framework. 2006 , 107, 19-24	18
2186	Preparation and characterization of CuO/SiO ₂ and NiO/SiO ₂ with bimodal pore structure by sol-gel method. 2006 , 39, 151-157	11
2185	Synthesis and catalytic properties of mesoporous ethane-silicas containing phenyl-sulfonic acid group. 2006 , 256, 122-129	17
2184	Pore characteristics and electrochemical performance of ordered mesoporous carbons for electric double-layer capacitors. 2006 , 51, 5715-5720	96
2183	A novel way to synthesize high regular and periodic organic mesoporous silicas. 2006 , 60, 1843-1846	5
2182	An implantable sol-gel derived titania-silica carrier system for the controlled release of anticonvulsants. 2006 , 60, 2903-2908	29
2181	Simple and quantitative mechanochemical preparation of a porous crystalline material based on a 1D coordination network for uptake of small molecules. 2005 , 45, 142-6	118
2180	Highly Ordered Functional Organosilicas by Template-Directed Hydrolysis-Polycondensation of Chiral Camphorsulfonamide Precursors. 2006 , 2006, 3697-3702	32
2179	Simple and Quantitative Mechanochemical Preparation of a Porous Crystalline Material Based on a 1D Coordination Network for Uptake of Small Molecules. 2006 , 118, 148-152	28
2178	Topographical Functionalization of Ordered Mesoporous Silica. 2006 , 111, 139-142	2
2177	Structural characteristics of methylsilsesquioxane based porous low-k thin films fabricated with increasing cross-linked particle porogen loading. 2006 , 100, 064104	9
2176	Infiltration and defiltration of an electrolyte solution in nanopores. 2006 , 100, 034311	41
2175	Aerosol Gelation: Synthesis of a Novel, Lightweight, High Specific Surface Area Material. 2007 , 41, 804-810	21
2174	Tuning functionality and morphology of periodic mesoporous materials. 2007 , 41-53	4

2173	Amino functionalisation of microemulsion templated mesoporous silica foams. 2007 , 160, 591-598		1
2172	Adsorption Potential Distributions for Silicas and Organosilicas. 2007 , 25, 573-581		1
2171	Periodic mesoporous organosilicas with multiple bridging groups and spherical morphology. 2007 , 23, 11844-9		45
2170	Super Hydrophobic Mesoporous Silica with Anchored Methyl Groups on the Surface by a One-Step Synthesis without Surfactant Template. 2007 , 111, 999-1004		38
2169	Synthesis of periodic mesoporous organosilicas with chemically active bridging groups and high loadings of thiol groups. 2007 , 17, 4320		21
2168	Controllable and repeatable synthesis of thermally stable anatase nanocrystal-silica composites with highly ordered hexagonal mesostructures. 2007 , 129, 13894-904		216
2167	Hydrothermal Synthesis and Characterization of Alkaline-Earth Metal Phenylphosphonate Nanostructures. 2007 , 7, 895-899		17
2166	Effect of tin precursors and crystallization temperatures on the synthesis of SBA-15 with high levels of tetrahedral tin. 2007 , 17, 3610		24
2165	Molecular design of the surfactant and the co-structure-directing agent (CSDA) toward rational synthesis of targeted anionic surfactant templated mesoporous silica. 2007 , 17, 3591		38
2164	Mesoporous nanotubes of iron phosphate: synthesis, characterization, and catalytic property. 2007 , 23, 382-6		47
2163	Combined emulsion and solvent evaporation (ESE) synthesis route to well-ordered mesoporous materials. 2007 , 23, 1459-64		63
2162	Synthesis, Bifunctionalization, and Application of Isocyanurate-Based Periodic Mesoporous Organosilicas. <i>Chemistry of Materials</i> , 2007 , 19, 2663-2670	9.6	29
2161	Direct Synthesis and Structural Characteristics of Ordered SBA-15 Mesoporous Silica Containing Tungsten Oxides and Tungsten Carbides. 2007 , 111, 15173-15184		62
2160	Preparation and characterization of tungsten carbide confined in the channels of SBA-15 mesoporous silica. 2007 , 111, 3599-608		36
2159	Facile synthesis of monodisperse microspheres and gigantic hollow shells of mesoporous silica in mixed water-ethanol solvents. 2007 , 23, 1107-13		108
2158	Synthesis, Structure, and Characterization of Mesoporous Materials. 467-601		2
2157	Mesoporous Poly(benzimidazole) Networks via Solvent Mediated Templating of Hard Spheres. 2007 , 40, 1299-1304		82
2156	Hierarchical porous and composite particle architectures based on self assembly and phase separation in droplets. 2007 , 17, 2329		22

2155	Enhanced selectivity in green catalytic epoxidation using a supported cobalt complex. 2007 , 9, 845	23
2154	. 2007 ,	216
2153	Synthesis and characterization of chiral periodic mesoporous organosilicas. 2007 , 46, 7796-8	53
2152	Synthesis and Characterization of Chiral Periodic Mesoporous Organosilicas. 2007 , 119, 7942-7944	10
2151	Synthesis of Inorganic and Organic-Inorganic Hybrid Hollow Particles Using a Cationic Surfactant with a Partially Fluorinated Tail. 2007 , 17, 2500-2508	39
2150	Assessment of pore structure parameters for polymer-templated mesoporous molecular sieves by means of nitrogen and argon adsorption. 2007 , 253, 5676-5681	2
2149	Applicability of classical methods of pore size analysis for MCM-41 and SBA-15 silicas. 2007 , 253, 5587-5590	10
2148	Optical determination of Cr(VI) using regenerable, functionalized sol-gel monoliths. 2007 , 581, 232-40	40
2147	Large-scale synthesis of onion-like carbon nanoparticles by carbonization of phenolic resin. 2007 , 55, 6144-6150	76
2146	Catalytic properties of niobium and gallium oxide systems supported on MCM-41 type materials. 2007 , 325, 328-335	18
2145	Synthesis of cubic mesoporous silica SBA-1 with bulky headgroup surfactant cetyltripropylammonium bromide. 2007 , 98, 80-88	11
2144	Layered double hydroxides as templates for nanocasting porous N-doped graphitic carbons via chemical vapour deposition. 2007 , 106, 147-154	22
2143	Rodlike silica and titania objects templated on extremely dilute aqueous dispersions of self-assembled sodium lithocholate nanotubes. 2007 , 313, 711-6	6
2142	Mesoporous silica originating from a gaseous ammonia epoxide ring opening and the thermodynamic data on some divalent cation adsorptions. 2007 , 315, 426-33	20
2141	Synthesis of Mesoporous, Nanocrystalline Lanthanum Phosphate in the Presence of Citric Acid and Stearic Acid. 2007 , 25, 684-691	5
2140	Highly ordered mesoporous bioactive glasses with Im3m symmetry. 2007 , 61, 4569-4572	35
2139	Perspectives of Micro/Mesoporous Composites in Catalysis. 2007 , 49, 457-509	315
2138	Low Temperature Preparation and Characterization of N-doped and N-S-codoped TiO ₂ by Sol-gel Route. 2007 , 118, 231-237	55

2137	Syntheses of CuO nanostructures in ionic liquids. 2007 , 50, 63-69	11
2136	Inorganic-organic hybrid nanoporous materials as adsorbent to remove VOCs. 2008 , 14, 194-201	12
2135	One-step synthesis of hydrothermally stable mesoporous aluminosilicates with strong acidity. 2008 , 181, 2401-2405	8
2134	Adsorption of benzene and cyclohexane on γ -Al ₂ O ₃ and Pd/ γ -Al ₂ O ₃ at elevated temperature and pressure. 2008 , 136, 414-418	2
2133	Preparation of large particle MCM-41 and investigation on its fluidization behavior and application in single-walled carbon nanotube production in a fluidized-bed reactor. 2008 , 142, 331-336	21
2132	Preparation, Characterization and Catalytic Activity for CO Oxidation of SiO ₂ Hollow Spheres Supporting CuO Catalysts. 2008 , 120, 215-220	22
2131	TIC-09-Mesoporous Niobium-Based Mixed Metal Oxides Containing Mo, V, and Te for Propane Oxidative Dehydrogenation. 2008 , 49, 268-280	5
2130	Bioactivity of wollastonite/aerogels composites obtained from a TEOS-MTES matrix. 2008 , 19, 2207-13	15
2129	Preparation, characterization, and catalytic properties of the Mo ₂ C/SBA-15 catalysts. 2008 , 15, 181-187	9
2128	Zeolite beta monoliths with hierarchical porosity by the transformation of bimodal pore silica gel. 2008 , 15, 643-646	25
2127	Studies on the crystallization process of BEA/MOR co-crystalline zeolite. 2008 , 43, 5626-5633	16
2126	Styrene epoxidation over a SBA-15-supported Mn(III) Schiff-base complex. 2008 , 34, 871-880	7
2125	The properties of gold catalysts precursors adsorbed on the MCM-41 materials modified with Mn and Fe oxides. 2008 , 14, 247-256	5
2124	Preparation of Ni-based metal monolithic catalysts and a study of their performance in methane reforming with CO ₂ . 2008 , 1, 527-33	23
2123	Nanostructured Titania-Diphosphonate Hybrid Materials with a Porous Hierarchy. 2008 , 2008, 2721-2726	43
2122	A mesoporous silica nanoparticles immobilized open-tubular capillary column with a coating of cellulose tris(3,5-dimethylphenyl-carbamate) for enantioseparation in CEC. 2008 , 29, 3933-40	47
2121	Proteins in mesoporous silicates. 2008 , 47, 8582-94	570
2120	A layered mesoporous carbon sensor based on nanopore-filling cooperative adsorption in the liquid phase. 2008 , 47, 7254-7	128

2119	A General Route to Nonspherical Anatase TiO ₂ Hollow Colloids and Magnetic Multifunctional Particles. 2008 , 20, 1853-1858	300
2118	Proteine in mesoporösen Silicaten. 2008 , 120, 8710-8723	40
2117	A Layered Mesoporous Carbon Sensor Based on Nanopore-Filling Cooperative Adsorption in the Liquid Phase. 2008 , 120, 7364-7367	23
2116	Rapid synthesis of highly ordered Si-MCM-41. 2008 , 319, 377-80	36
2115	Templating multiple length scales by combining phase separation, self-assembly and photopatterning in porous films. 2008 , 328, 374-84	6
2114	Reactive pore expansion during ammonia vapor post-treatment of ordered mesoporous silica prepared with mixed glucopyranoside and cationic surfactants. 2008 , 108, 65-76	7
2113	A nanocomposite structure based on modified MCM-48 and polystyrene. 2008 , 109, 73-83	33
2112	Synthesizing nanocrystal-assembled mesoporous magnesium oxide using cotton fibres as exotemplate. 2008 , 111, 314-322	46
2111	Mesoporous carbons synthesized by soft-templating method: Determination of pore size distribution from argon and nitrogen adsorption isotherms. 2008 , 112, 573-579	33
2110	Synthesis and characterization of hollow mesoporous carbon spheres with a highly ordered bicontinuous cubic mesostructure. 2008 , 112, 597-602	34
2109	Expansion of the F127-templated mesostructure in aerosol-generated particles by using polypropylene glycol as a swelling agent. 2008 , 113, 1-13	25
2108	Selective, efficient nanoporous catalysts for nitroaldol condensation: Co-placement of multiple site-isolated functional groups on mesoporous materials. 2008 , 288, 1-13	31
2107	Cytotoxicity of mesoporous silica nanomaterials. 2008 , 102, 1416-23	195
2106	Investigation of highly active Fe-Al-Cu catalysts for water-gas shift reaction. 2008 , 351, 1-8	85
2105	Structural and photocatalytic degradation characteristics of hydrothermally treated mesoporous TiO ₂ . 2008 , 350, 237-243	77
2104	The transformation of acetylene black into onion-like hollow carbon nanoparticles at 1000 °C using an iron catalyst. 2008 , 46, 525-530	78
2103	Catalytic performance of porous carbons obtained by chemical activation. 2008 , 46, 1757-1764	32
2102	Preparation and photocatalytic activity of hierarchically mesoporous-macroporous TiO ₂ /N _x . 2008 , 82, 208-218	132

2101	Liquid-phase synthesized mesoporous electrochemical supercapacitors of nickel hydroxide. 2008 , 53, 5016-5021	51
2100	Ion exchange and ion exchange voltammetry with functionalized mesoporous silica materials. 2008 , 149, 123-132	27
2099	Mesoporous benzene silica functionalized with various amine groups. 2008 , 108, 86-94	7
2098	Bridging the gap between micropores and mesopores by the controlled transformation of bifunctional periodic mesoporous silicas. 2008 , 108, 29-40	5
2097	Control of ordered structure and morphology of cubic mesoporous silica SBA-1 via direct synthesis of thiol-functionalization. 2008 , 110, 461-471	37
2096	Phase behavior of ordered mesoporous silica film prepared by Brij-76 block copolymer. 2008 , 111, 188-193	19
2095	Pore size engineering in fluorinated surfactant templated mesoporous silica powders through supercritical carbon dioxide processing. 2008 , 113, 106-113	7
2094	Probing the effect of the carbonisation process on the textural properties and morphology of mesoporous carbons. 2008 , 113, 378-384	9
2093	Preparation and luminescence properties of covalent linking of luminescent ternary europium complexes on periodic mesoporous organosilica. 2008 , 116, 28-35	43
2092	Synthesis of unique mesoporous ZrO ₂ -carbon fiber from collagen fiber. 2008 , 116, 705-709	18
2091	Antibacterial activity of montmorillonites modified with silver. 2008 , 281, 192-199	197
2090	Optimizing acid-base bifunctional mesoporous catalysts for the henry reaction: effects of the surface density and site isolation of functional groups. 2008 , 24, 14306-20	77
2089	New nanomaterials for consolidating stone. 2008 , 24, 2772-8	107
2088	The modification of activated carbons and the pore structure effect on enrichment of coal-bed methane. 2008 , 3, 284-291	19
2087	Ordered mesoporous materials at the beginning of the third millennium: new strategies to create hybrid and non-siliceous variants. 2008 , 10, 347-60	101
2086	Effect of urea on the photoactivity of titania powder prepared by sol-gel method. 2008 , 107, 77-81	35
2085	Surfactant/co-polymer template hydrothermal synthesis of thermally stable, mesoporous TiO ₂ from TiOSO ₄ . 2008 , 62, 77-80	24
2084	A selectively-energy-absorbing nanoporous system. 2008 , 62, 2928-2930	1

2083	Synthesis method for silica needle-shaped nano-hollow structure. 2008 , 62, 3401-3403		30
2082	Preparation of 3D cubic ordered mesoporous bioactive glasses. 2008 , 10, 1083-1092		29
2081	Ordered Mesoporous CeO ₂ Synthesized by Nanocasting from Cubic Ia3d Mesoporous MCM-48 Silica: Formation, Characterization and Photocatalytic Activity. 2008 , 112, 17809-17813		215
2080	Preparation of SnO ₂ /Carbon Composite Hollow Spheres and Their Lithium Storage Properties. <i>Chemistry of Materials</i> , 2008 , 20, 6562-6566	9.6	393
2079	Polypyrrole-Based Nitrogen-Doped Carbon Replicas of SBA-15 and SBA-16 Containing Magnetic Nanoparticles. 2008 , 112, 13126-13133		63
2078	Nitrogen adsorption on silica surfaces of nonporous and mesoporous materials. 2008 , 24, 6668-75		18
2077	Ordered mesoporous alumina-supported metal oxides. 2008 , 130, 15210-6		314
2076	Nanocrystal Assembled TiO ₂ Particles Prepared from Aqueous Solution. 2008 , 8, 3213-3218		37
2075	Synthesis of porous silica with hierarchical structure directed by a silica precursor carrying a pore-generating cage. 2008 , 18, 4971		7
2074	Synthesis, characterization of hierarchical ZSM-5 zeolite catalyst and its catalytic performance for phenol tert-butylation reaction. 2008 , 9, 1272-1276		62
2073	Aqueous Synthesis of Ordered Mesoporous Carbon via Self-Assembly Catalyzed by Amino Acid. <i>Chemistry of Materials</i> , 2008 , 20, 5314-5319	9.6	122
2072	Corrugated and nanoporous silica microspheres: synthesis by controlled etching, and improving their chemical adsorption and application in biosensing. 2008 , 18, 5604		20
2071	Sulfonated mesoporous carbons as a solid sulfonic acid catalyst. 2008 , 174, 1347-1350		1
2070	New route for producing crack-free xerogels: Obtaining uniform pore size. 2008 , 354, 645-650		56
2069	Effective viscosity of glycerin in a nanoporous silica gel. 2008 , 104, 124908		31
2068	Pseudomorphic transformation of highly ordered mesoporous Co ₃ O ₄ to CoO via reduction with glycerol. 2008 , 130, 14108-10		117
2067	Titania-phosphonate hybrid porous materials: preparation, photocatalytic activity and heavy metal ion adsorption. 2008 , 18, 2003		102
2066	Porous carbon and carbon/metal oxide microfibers with well-controlled pore structure and interface. 2008 , 130, 5034-5		48

2065	Toward efficient nanoporous catalysts: controlling site-isolation and concentration of grafted catalytic sites on nanoporous materials with solvents and colorimetric elucidation of their site-isolation. 2008 , 130, 218-28		125
2064	Construction, Characterization, and Photoluminescence of Mesoporous Hybrids Containing Europium(III) Complexes Covalently Bonded to SBA-15 Directly Functionalized by Modified β -Diketone. 2008 , 112, 3959-3968		132
2063	Colloidal Silica Templating Synthesis of Carbonaceous Monoliths Assuring Formation of Uniform Spherical Mesopores and Incorporation of Inorganic Nanoparticles <i>Chemistry of Materials</i> , 2008 , 20, 1069-1075	9.6	49
2062	Design and Synthesis of Nanostructured Porous SnO ₂ with High Surface Areas and Their Optical and Dielectric Properties. 2008 , 112, 8668-8674		67
2061	Super-microporous organosilicas synthesized from well-defined nanobuilding units. 2008 , 18, 450-457		34
2060	Fine control over the morphology and structure of mesoporous silica nanomaterials by a dual-templating approach. 2008 , 4422-4		45
2059	Thermal formation of mesoporous single-crystal Co ₃ O ₄ nano-needles and their lithium storage properties. 2008 , 18, 4397		297
2058	Synthesis and Characterization of Mesoporous Silica Templated by Amphiphilic RTILs. 2008 , 29, 1066-1071		11
2057	Direct synthesis of porous organosilicas containing chiral organic groups within their framework and a new analytical method for enantiomeric purity of organosilicas. 2008 , 202-4		48
2056	Adsorption of copolymers in a selective nanoslit: a hybrid density functional theory. 2008 , 112, 9568-73		10
2055	Biomimetic synthesis of titania nanoparticles induced by protamine. 2008 , 4165-71		63
2054	Mesoporous boron nitride and boron-nitride-carbon materials from mesoporous silica templates. 2008 , 18, 235-241		50
2053	Effect of Porogen Molecular Architecture and Loading on Structure of Porous Thin Films. <i>Chemistry of Materials</i> , 2008 , 20, 7390-7398	9.6	5
2052	Facile Synthesis and Optical Property of Porous Tin Oxide and Europium-Doped Tin Oxide Nanorods through Thermal Decomposition of the Organotin. 2008 , 112, 19939-19944		14
2051	Incorporation of Inorganic Nanoparticles into Mesoporous Carbons Synthesized by Soft Templating. 2008 , 112, 11657-11660		47
2050	Facile Mesophase Control of Periodic Mesoporous Organosilicas under Basic Conditions. <i>Chemistry of Materials</i> , 2008 , 20, 1451-1458	9.6	34
2049	Using collagen fiber as a template to synthesize hierarchical mesoporous alumina fiber. 2008 , 24, 368-70		42
2048	Mesoporous Silica Materials Synthesized via Sol-Gel Methods Modified with Ionic Liquid and Surfactant Molecules. 2008 , 21, 596-600		10

2047	Synthesis of hierarchical mesoporous zirconia fiber by using collagen fiber as a template. 2008 , 23, 3263-3268	11
2046	Synthesis of Fluoro-Functionalized Mesoporous Silica and Application to Fluorophilic Separations. 2008 , 47, 530-538	11
2045	Functionalisation and Structure Characterisation of Porous Silicates and Aluminophosphates. 2009 , 101-126	2
2044	Further Reading. 2009 , 17, 113-197	
2043	New Nanomaterials for Protecting and Consolidating Stone. 2009 , 8, 1-12	39
2042	Schiff-base-functionalized mesoporous silica SBA-15: Covalently bonded assembly of blue nanophosphors. 2009 , 11, 994-1000	12
2041	High thermal stability thick wall mesoporous titania thin films. 2009 , 63, 1583-1585	12
2040	Enhanced photocatalytic activity of mesoporous TiO ₂ with MgO coating. 2009 , 63, 1705-1708	6
2039	Cobalt-catalyzed oxidation of terpenes: Co-MCM-41 as an efficient shape-selective heterogeneous catalyst for aerobic oxidation of isolongifolene under solvent-free conditions. 2009 , 265, 72-79	55
2038	Facile and Scalable Synthesis of Tailored Silica Nanorattle Structures. 2009 , 21, 3804-3807	240
2037	Mesoporous Carbon Materials with Ultra-Thin Pore Walls and Highly Dispersed Nickel Nanoparticles. 2009 , 2009, 605-612	21
2036	Carbamate-Linked (Oligo)phenothiazines in Mesoporous Silica by Post-Synthetic Grafting: Fluorescent Redox-Active Hybrid Materials. 2009 , 2009, 3895-3905	10
2035	Recent progress of polar stationary phases in CEC and capillary liquid chromatography. 2009 , 30, 141-54	52
2034	Effect of compounding process on the structure and electrochemical properties of ordered mesoporous carbon/polyaniline composites as electrodes for supercapacitors. 2009 , 187, 268-274	174
2033	Synthesis and capacitive property of hierarchical hollow manganese oxide nanospheres with large specific surface area. 2009 , 193, 939-943	143
2032	Functionalized mesoporous materials for adsorption and release of different drug molecules: A comparative study. 2009 , 182, 1649-1660	126
2031	High selectivity for metal ion adsorption: from mesoporous phosphonated titanias to meso-/macroporous titanium phosphonates. 2009 , 44, 6775-6785	26
2030	Hierarchical meso/macroporous titania-supported CuO nanocatalysts: preparation, characterization and catalytic CO oxidation. 2009 , 44, 6717-6726	48

2029	Phosphorus and nitrogen co-doped titania photocatalysts with a hierarchical meso-/macroporous structure. 2009 , 44, 6754-6763	37
2028	Thermal degradation of CTAB in as-synthesized MCM-41. 2009 , 96, 375-382	54
2027	Replication Route Synthesis of Mesoporous TitaniumCobalt Oxides and Their Photocatalytic Activity in the Degradation of Methyl Orange. 2009 , 129, 26-38	8
2026	Dual-templating of macroporous multicomponent MoVTenBO x catalysts for propane ammoxidation to acrylonitrile. 2009 , 16, 613-622	8
2025	A simple method to prepare titania nanomaterials of core-shell structure, hollow nanospheres and mesoporous nanoparticles. 2009 , 52, 1498-1503	6
2024	Structure and Photoluminescent Properties of ZnO Encapsulated in Mesoporous Silica SBA-15 Fabricated by Two-Solvent Strategy. 2009 , 4, 646-54	57
2023	SiOC Ceramic Monoliths with Hierarchical Porosity. 2009 , 7, 528	2
2022	Synthesis and characterization of cubic thiol-functionalized periodic mesoporous organosilicas as effective mercury ion adsorbents. 2009 , 119, 109-116	34
2021	Microwave-assisted synthesis of periodic mesoporous organosilicas with ethane and disulfide groups. 2009 , 119, 144-149	31
2020	The radical species and impurities present in mesoporous silicas as oxidation active centres. 2009 , 120, 214-220	21
2019	Preparation and characterization of encapsulation of Europium complex into meso-structured silica monoliths using PEG as the template. 2009 , 122, 7-12	30
2018	Mesoporous silica as selective sorbents for removal of sulfones from oxidized diesel fuel. 2009 , 124, 94-99	20
2017	Preparation and characterization of highly active mesoporous TiO ₂ photocatalysts by hydrothermal synthesis under weak acid conditions. 2009 , 124, 197-203	79
2016	Synthesis of thermally stable and highly ordered bicontinuous cubic mesoporous titania/silica binary oxides with crystalline framework. 2009 , 126, 50-57	35
2015	Luminescent properties of encapsulation of europium complex into meso-structured silica monoliths. 2009 , 129, 867-873	2
2014	Control of internal (2D and 3D hexagonal) mesostructure and particle morphology of spherical mesoporous silica particles using the emulsion and solvent evaporation (ESE) method. 2009 , 120, 359-367	9
2013	Preparation of spherical large-particle MCM-41 with a broad particle-size distribution by a modified pseudomorphic transformation. 2009 , 121, 73-78	12
2012	Synthesis of mesostructured ferric oxyhydroxides templated by alkyl surfactants: Effect of pH, FI and solvents, and their adsorption isotherms for As(V). 2009 , 123, 177-184	16

2011	Synthesis and characterization of mesoporous phosphotungstic acid/TiO ₂ nanocomposite as a novel oxidative desulfurization catalyst. 2009 , 304, 52-57	115
2010	Synthesis of Beta/MCM-41 composite molecular sieve with high hydrothermal stability in static and stirred condition. 2009 , 329, 346-50	40
2009	Preparation of TiO ₂ , CeO ₂ , and ZrO ₂ hierarchical structures in "one-pot" reactions. 2009 , 333, 764-70	6
2008	A facile route to prepare boron nitride hollow particles at 450 °C. 2009 , 311, 3682-3686	16
2007	The use of mesoporous molecular sieves containing niobium for the synthesis of vegetable oil-based products. 2009 , 140, 23-29	26
2006	The possible use of alkali metal modified NbMCM-41 in the synthesis of 1,4-dihydropyridine intermediates. 2009 , 142, 303-307	23
2005	Preparation of nickel phosphide/SBA-15/cordierite monolithic catalysts and catalytic activity for hydrodesulfurization of dibenzothiophene. 2009 , 147, S66-S70	17
2004	Synthesis of large pore-diameter SBA-15 mesostructured spherical silica and its application in ultra-high-performance liquid chromatography. 2009 , 1216, 7767-73	38
2003	Synthesis of hierarchical porous carbon particles by hollow polymer microsphere template. 2009 , 345, 121-126	11
2002	Influence of temperature, carbon precursor/copolymer ratio and acid concentration on adsorption and structural properties of mesoporous carbons prepared by soft-templating. 2009 , 352, 113-117	32
2001	Various hexagonally ordered mesoporous silicas as supports for chromium species—the effect of support on surface properties. 2009 , 365, 135-140	9
2000	Hierarchical mesoporous phosphorus and nitrogen doped titania materials: Synthesis, characterization and visible-light photocatalytic activity. 2009 , 92, 61-67	77
1999	Ordered mesoporous carbons synthesized by a modified sol-gel process for electrosorptive removal of sodium chloride. 2009 , 47, 775-781	210
1998	Effect of transition metal catalysts on the microstructure of carbide-derived carbon. 2009 , 47, 2344-2351	19
1997	Adsorption of phenolic compounds from aqueous solutions using carbon nanoporous adsorbent coated with polymer. 2009 , 255, 9487-9492	70
1996	Facile Synthesis and Assemblies of Flowerlike SnS ₂ and In ³⁺ -Doped SnS ₂ : Hierarchical Structures and Their Enhanced Photocatalytic Property. 2009 , 113, 1280-1285	180
1995	Nanocasting Synthesis of Iron-Doped Mesoporous Al ₂ O ₃ /Ti Mixed Oxides Using Ordered Mesoporous Carbon Templates. 2009 , 113, 13565-13573	11
1994	Hierarchically Structured Squama-like Cerium-Doped Titania: Synthesis, Photoactivity, and Catalytic CO Oxidation. 2009 , 113, 16658-16667	50

1993	Micropore Characterization of Mesocellular Foam and Hybrid Organic Functional Mesocellular Foam Materials. 2009 , 113, 21283-21292		7
1992	Control of silica-alkyltrimethylammonium bromide mesophases with 1,3,5-trialkylbenzenes under acidic conditions. 2009 , 25, 10992-7		13
1991	Nanocasting of High Surface Area Mesoporous Ga ₂ O ₃ and GaN Semiconductor Materials. <i>Chemistry of Materials</i> , 2009 , 21, 4080-4086	9.6	31
1990	Mesoporous Anatase TiO ₂ with High Surface Area and Controllable Pore Size by F ⁻ Ion Doping: Applications for High-Power Li-Ion Battery Anode. 2009 , 113, 21258-21263		108
1989	Hierarchical Meso-/Macroporous Aluminum Phosphonate Hybrid Materials as Multifunctional Adsorbents. 2009 , 113, 12854-12862		84
1988	The synthesis of Al-MCM-41 from volclay A low-cost Al and Si source. 2009 , 46, 185-189		27
1987	Hybrid materials of SBA-15 functionalized by Tb ³⁺ complexes of modified acetylacetonate: Covalently bonded assembly and photoluminescence. 2009 , 481, 549-554		16
1986	Investigation of phase transformations and photocatalytic properties of sol-gel prepared nanostructured ZnO/TiO ₂ composites. 2009 , 486, 805-808		69
1985	Synthesis of Hierarchical Flower-like AlOOH and TiO ₂ /AlOOH Superstructures and their Enhanced Photocatalytic Properties. 2009 , 113, 17527-17535		188
1984	Pore Structure and Fluid Sorption in Ordered Mesoporous Silica. I. Experimental Study by in situ Small-Angle X-ray Scattering. 2009 , 113, 15201-15210		64
1983	Bacteria encapsulation in a magnetic sol-gel matrix. 2009 , 19, 1241		19
1982	Facile synthesis of hierarchically porous carbons and their application as a catalyst support for methanol oxidation. 2009 , 19, 4108		51
1981	Synthesis of Boehmite Hollow Core/Shell and Hollow Microspheres via Sodium Tartrate-Mediated Phase Transformation and Their Enhanced Adsorption Performance in Water Treatment. 2009 , 113, 14739-14746		182
1980	Nanostructure and Bioactivity of Hybrid Aerogels. <i>Chemistry of Materials</i> , 2009 , 21, 41-47	9.6	16
1979	Lanthanide (Eu ³⁺ , Tb ³⁺)/beta-diketone modified mesoporous SBA-15/organic polymer hybrids: chemically bonded construction, physical characterization, and photophysical properties. 2009 , 48, 8276-85		87
1978	One-pot formation of SnO ₂ hollow nanospheres and alpha-Fe ₂ O ₃ @SnO ₂ nanorattles with large void space and their lithium storage properties. 2009 , 1, 280-5		189
1977	Facile and predictable synthesis of dual mesoporous-mesosize nanostructures through thermally-driven self-assembly of nanodroplets. 2009 , 3228-30		4
1976	One-step synthesis of functional chiral porous silica nanorods using an achiral surfactant. 2009 , 6651-5		17

1975	Capsules-in-bead scaffold: a rational architecture for spatially separated multienzyme cascade system. 2009 , 19, 9068	54
1974	Structural models of random packing of spheres extended to bricks: simulation of the nanoporous calcium silicate hydrates. 2009 , 35, 1001-1006	10
1973	Hydrothermal Synthesis and Morphological Evolution of Mesoporous TitaniaSilica. 2009 , 113, 20335-20348	24
1972	Argon adsorption studies of porous structure of nongraphitized carbon blacks. 2009 , 64,	2
1971	?????????????????????. 2009 , 60, 579-583	
1970	High surface area titanium phosphonate materials with hierarchical porosity for multi-phase adsorption. 2010 , 34, 1209	55
1969	One-pot procedure to synthesize high surface area alumina nanofibers using supercritical carbon dioxide. 2010 , 26, 2707-13	38
1968	Lanthanide (Eu ³⁺ , Tb ³⁺) centered mesoporous hybrids with 1,3-diphenyl-1,3-propanepione covalently linking SBA-15 (SBA-16) and poly(methylacrylic acid). 2010 , 5, 1642-51	30
1967	Bifunctional Mesoporous Materials with Coexisting Acidic and Basic Sites for C-C Bond Formation in Co-operative Catalytic Reactions. 2010 , 2, 1231-1234	18
1966	Preparation of silica aerogel from oil shale ash by fluidized bed drying. 2010 , 197, 283-287	36
1965	Drug delivery from hydrophobic-modified mesoporous silicas: Control via modification level and site-selective modification. 2010 , 183, 76-83	29
1964	Sulfide functionalized lanthanide (Eu/Tb) periodic mesoporous organosilicas (PMOs) hybrids with covalent bond: Physical characterization and photoluminescence. 2010 , 132, 87-93	19
1963	Processing of porous carbon with tunable pore structure by the carbide-derived carbon method. 2010 , 62, 44-49	6
1962	Luminescent Organic-Inorganic Hybrids of Functionalized Mesoporous Silica SBA-15 by Thio-Salicylidene Schiff Base. 2010 , 5, 797-804	24
1961	Binary and Ternary Heterometallic (La ³⁺ , Gd ³⁺ , Y ³⁺)-Eu ³⁺ Functionalized SBA-15 Mesoporous Hybrids: Chemically Bonded Assembly and Photoluminescence. 2010 , 5, 1195-203	9
1960	The Synthesis of Novel Hierarchical Zeolites and Their Performances in Cracking Large Molecules. 2010 , 136, 266-270	16
1959	Synthesis and characterization of mesoporous silica/poly(N-isopropylacrylamide) functional hybrid useful for drug delivery. 2010 , 45, 1478-1486	44
1958	Development of Microporosity in Mesoporous Carbons. 2010 , 53, 283-290	16

1957	Isomerization of Eugenol Under Ultrasound Activation Catalyzed by Alkali Modified Mesoporous NbMCM-41. 2010 , 53, 179-186	14
1956	Calcium Containing Silicate Mixed Oxide-Based Heterogeneous Catalysts for Biodiesel Production. 2010 , 53, 746-754	24
1955	Photocatalytic activity of (sulfur, nitrogen)-codoped mesoporous TiO ₂ thin films. 2010 , 36, 27-37	24
1954	Synthesis of Fe ³⁺ doped ordered mesoporous TiO ₂ with enhanced visible light photocatalytic activity and highly crystallized anatase wall. 2010 , 36, 83-93	27
1953	Effect of crystallization time on the physico-chemical and catalytic properties of the hierarchical porous materials. 2010 , 45, 1293-1298	8
1952	Micrometer-scale macroporous silica/alumina composites with spheric and lathy MFI-type crystals via seed-induced in-situ and layer-by-layer synthetic methods. 2010 , 64, 1660-1663	10
1951	Low-temperature synthesis of EMnO ₂ with large surface area and its capacitance. 2010 , 64, 1763-1765	42
1950	Porous carbons prepared from deoiled asphalt and their electrochemical properties for supercapacitors. 2010 , 64, 1868-1870	34
1949	Mesoporous TiO ₂ /Ay (A = N, S) as a visible-light-response photocatalyst. 2010 , 12, 490-497	22
1948	Hydrangea-Like Meso-/Macroporous ZnO-CeO ₂ Binary Oxide Materials: Synthesis, Photocatalysis and CO Oxidation. 2010 , 2010, 716-724	66
1947	Organic-Additive-Assisted Synthesis of Hierarchically Meso-/Macroporous Titanium Phosphonates. 2010 , 2010, 2941-2948	19
1946	Efficient Acylation of Anisole over Hierarchical Porous ZSM-5 Structure. 2010 , 33, n/a-n/a	4
1945	MnO(x) nanoparticles supported on a new mesostructured silicate with textural porosity. 2010 , 16, 5783-93	38
1944	Cubic mesoporous titanium phosphonates with multifunctionality. 2010 , 16, 8487-94	52
1943	Bismuth-doped ordered mesoporous TiO ₂ : visible-light catalyst for simultaneous degradation of phenol and chromium. 2010 , 16, 13795-804	117
1942	Graphite carbon foam films prepared from porous polyimide with in situ formed catalytic nickel particles. 2010 , 116, NA-NA	
1941	Highly selective synthesis of cyclododecanone over mesostructured VSBA-15 catalysts. 2010 , 388, 22-30	13
1940	Template-free synthesis and photocatalytic activity of hierarchical porous titania with controlled texture and crystalline structure. 2010 , 387, 231-241	23

1939	Adsorption and structural properties of soft-templated mesoporous carbons obtained by carbonization at different temperatures and KOH activation. 2010 , 256, 5187-5190	36
1938	Predictive synthesis of ordered mesoporous silica with maltoside and cationic surfactants based on aqueous lyotropic phase behavior. 2010 , 342, 33-42	5
1937	Thermally stable SiO ₂ -doped mesoporous anatase TiO ₂ with large surface area and excellent photocatalytic activity. 2010 , 344, 382-9	107
1936	Preparation and capacitance property of MnO ₂ -pillared Ni(2+)-Fe ³⁺ layered double hydroxides nanocomposite. 2010 , 345, 228-33	17
1935	Synthesis, characterization and adsorptive performance of MgFe ₂ O ₄ nanospheres for SO ₂ removal. 2010 , 184, 704-709	47
1934	Multiwall carbon nanotube-poly(4-styrenesulfonic acid) supported polypyrrole/manganese oxide nano-composites for high performance electrochemical electrodes. 2010 , 195, 1256-1262	84
1933	Starch-derived carbon aerogels with high-performance for sorption of cationic dyes. 2010 , 51, 3801-3807	46
1932	Soft-templating synthesis and properties of mesoporous alumina/titania. 2010 , 128, 180-186	41
1931	Fluorocarbon and hydrocarbon functional group incorporation into nanoporous silica employing fluorinated and hydrocarbon surfactants as templates. 2010 , 129, 189-199	8
1930	Macroporous periodic mesoporous organosilicas with diethylbenzene bridging groups. 2010 , 130, 180-188	23
1929	Luminescent lanthanide (Eu ³⁺ , Tb ³⁺) ternary mesoporous hybrids with functionalized β -diketones (TTA, DBM) covalently linking SBA-15 and 2,2'-bipyridine (bpy). 2010 , 131, 82-88	24
1928	Synthesis of Cu ²⁺ doped mesoporous titania and investigation of its photocatalytic ability under visible light. 2010 , 134, 108-114	40
1927	Photoactive metallic (Al ³⁺ , Zn ²⁺ , Eu ³⁺ , Tb ³⁺ , Er ³⁺ , Nd ³⁺) mesoporous hybrid materials by functionalized 8-hydroxyquinolate linkage covalently bonded SBA-15. 2010 , 135, 45-50	6
1926	Synthesis and magnetic properties of CoFe ₂ O ₄ nanoparticles confined within mesoporous silica. 2010 , 135, 137-142	36
1925	High catalytic activity and selectivity for hydroxylation of benzene to phenol over multi-walled carbon nanotubes supported Fe ₃ O ₄ catalyst. 2010 , 375, 265-271	84
1924	Effect of annealing temperature on the characteristics, sonocatalytic activity and reusability of nanotubes TiO ₂ in the degradation of Rhodamine B. 2010 , 100, 393-402	61
1923	Synthesis and characterization of carbon-modified titania photocatalysts with a hierarchical meso-/macroporous structure. 2010 , 160, 370-377	35
1922	New TiO ₂ /SiO ₂ nanocomposites/Phase transformations and photocatalytic studies. 2010 , 361, 25-30	58

1921	Polymer-templated mesoporous carbons with nickel nanoparticles. 2010 , 362, 20-27		12
1920	Synthesis of ultra-large mesoporous carbons from triblock copolymers and phloroglucinol/formaldehyde polymer. 2010 , 48, 2660-2664		31
1919	Hierarchically-ordered electroactive silica-polyaniline nanohybrid: A novel material with versatile properties. 2010 , 48, 4537-4546		5
1918	Characteristics of pores in native and hydrolyzed starch granules. 2010 , 62, 229-235		45
1917	Growth of One-Dimensional Nanostructures in Porous Polymer-Derived Ceramics by Catalyst-Assisted Pyrolysis. Part II: Cobalt Catalyst. 2010 , 93, 3709-3719		55
1916	The enhancement of photoresponse of an ordered inorganic-organic hybrid architecture by increasing interfacial contacts. 2010 , 21, 065304		8
1915	Template-free synthesis of mesoporous CuO dandelion structures for optoelectronic applications. 2010 , 2, 1536-42		71
1914	Shape-controlled synthesis of cobalt-based nanocubes, nanodiscs, and nanoflowers and their comparative lithium-storage properties. 2010 , 2, 3628-35		166
1913	Surfactant-synthesized ormosils with application to stone restoration. 2010 , 26, 6737-45		108
1912	Facile Hydrothermal Synthesis of Hierarchical Boehmite: Sulfate-Mediated Transformation from Nanoflakes to Hollow Microspheres. 2010 , 10, 3977-3982		126
1911	Synthesis of Well-Defined Silica and Pd/Silica Nanotubes through a Surface Sol-Gel Process on a Self-Assembled Chelate Block Copolymer. 2010 , 114, 15640-15644		25
1910	Fabrication of crystalline mesoporous metal oxides and sulfides. 2010 , 49, 1191-7		18
1909	Hydrothermal Synthesis and Surface Characteristics of Novel Alpha Alumina Nanosheets with Controlled Chemical Composition. <i>Chemistry of Materials</i> , 2010 , 22, 6564-6574	9.6	29
1908	Large-scale synthesis of SnO ₂ nanosheets with high lithium storage capacity. 2010 , 132, 46-7		599
1907	Highly efficient luminescent hybrid materials covalently linking with europium(III) complexes via a novel fluorinated beta-diketonate ligand: synthesis, characterization and photophysical properties. 2010 , 39, 8084-92		69
1906	Periodic mesoporous titanium phosphonate hybrid materials. 2010 , 20, 7406		57
1905	Growth of Polyaniline on Hollow Carbon Spheres for Enhancing Electrocapacitance. 2010 , 114, 19867-19874		187
1904	Synthesis and Photocatalytic Performance of Hierarchical Porous Titanium Phosphonate Hybrid Materials. 2010 , 132, 87-95		2

1903	Mesoporous Co ₃ O ₄ and Au/Co ₃ O ₄ catalysts for low-temperature oxidation of trace ethylene. 2010 , 132, 2608-13	406
1902	Tailored adsorption of His6-tagged protein onto nickel(II)-cyclam grafted mesoporous silica. 2010 , 46, 1124-6	27
1901	Periodic mesoporous titanium phosphonate spheres for high dispersion of CuO nanoparticles. 2010 , 39, 9570-8	31
1900	On the micro-, meso-, and macroporous structures of polymer electrolyte membrane fuel cell catalyst layers. 2010 , 2, 375-84	252
1899	Intraparticle transport and release of dextran in silica spheres with cylindrical mesopores. 2010 , 26, 466-70	8
1898	Stereospecific growth of densely populated rutile mesoporous TiO ₂ nanoplate films: a facile low temperature chemical synthesis approach. 2010 , 21, 105603	8
1897	Synthesis of core-shell structured dual-mesoporous silica spheres with tunable pore size and controllable shell thickness. 2010 , 132, 15144-7	228
1896	Synthesis of mesoporous alumina from boehmite in the presence of triblock copolymer. 2010 , 2, 588-93	72
1895	Ionic liquid-controlled synthesis of ZnO microspheres. 2010 , 20, 9798	37
1894	Using Collagen Fiber as a Template to Synthesize TiO ₂ and Fe _x /TiO ₂ Nanofibers and Their Catalytic Behaviors on the Visible Light-Assisted Degradation of Orange II. 2010 , 49, 3194-3199	43
1893	Mesoporous Microcapsules with Decorated Inner Surface: Fabrication and Photocatalytic Activity. <i>Chemistry of Materials</i> , 2010 , 22, 1695-1703	9.6 73
1892	Selective polymerization of polypyrrole in silica mesopores using an in situ generated oxidizing agent on a silica surface. 2010 , 46, 6566-8	18
1891	Hexagonal mesoporous titanium tetrasulfonates with large conjugated hybrid framework for photoelectric conversion. 2010 , 2, 3563-71	25
1890	Room temperature, template-free synthesis of BiOI hierarchical structures: visible-light photocatalytic and electrochemical hydrogen storage properties. 2010 , 39, 3273-8	158
1889	Tailoring Adsorption and Framework Properties of Mesoporous Polymeric Composites and Carbons by Addition of Organosilanes during Soft-Templating Synthesis. 2010 , 114, 6298-6303	25
1888	Hydrogen Production by Photocatalytic Water Splitting over Pt/TiO ₂ Nanosheets with Exposed (001) Facets. 2010 , 114, 13118-13125	979
1887	Constructing hierarchical spheres from large ultrathin anatase TiO ₂ nanosheets with nearly 100% exposed (001) facets for fast reversible lithium storage. 2010 , 132, 6124-30	1149
1886	Synthesis and fluorescent properties of lanthanide complex covalently bonded to porous silica monoliths. 2010 , 490, 264-269	4

1885	Synthesis and characterization of mesoporous TiO ₂ assembled as microspheres. 2010 , 490, 311-317		25
1884	Pillaring chemically exfoliated graphene oxide with carbon nanotubes for photocatalytic degradation of dyes under visible light irradiation. 2010 , 4, 7030-6		229
1883	A highly selective regenerable optical sensor for detection of mercury(II) ion in water using organic/inorganic hybrid nanomaterials containing pyrene. 2010 , 34, 1946		96
1882	Four nodal self-catenated $[\{Ni_8(Bpy)_{16}\}V_2O_6] \cdot 3.5(H_2O)$, combining three dimensional metal/organic and inorganic frameworks. 2010 , 12, 1880		23
1881	Aerosol fabrication of hollow mesoporous silica nanoparticles and encapsulation of L-methionine as a candidate drug cargo. 2010 , 46, 3019-21		60
1880	Mesophase ordering of TiO ₂ film with high surface area and strong light harvesting for dye-sensitized solar cell. 2010 , 2, 1844-50		132
1879	Enhancement of Electrochemical Performance of Macroporous Carbon by Surface Coating of Polyaniline. <i>Chemistry of Materials</i> , 2010 , 22, 1195-1202	9.6	146
1878	Functionalized periodic mesoporous titanium phosphonate monoliths with large ion exchange capacity. 2010 , 46, 2325-7		54
1877	Structure and Acid Catalysis of Mesoporous Nb ₂ O ₅ ·nH ₂ O. <i>Chemistry of Materials</i> , 2010 , 22, 3332-3339	9.6	77
1876	Template-free synthesis of hierarchical spindle-like Al ₂ O ₃ materials and their adsorption affinity towards organic and inorganic pollutants in water. 2010 , 20, 4587		215
1875	Ordered mesoporous silica nanoparticles with and without embedded iron oxide nanoparticles: structure evolution during synthesis. 2010 , 20, 7807		65
1874	Luminescent ternary inorganic-organic mesoporous hybrids Eu(TTASi-SBA-15)phen: covalent linkage in TTA directly functionalized SBA-15. 2010 , 39, 1480-7		41
1873	Fabrication and characterization of magnetic mesoporous silica nanospheres covalently bonded with europium complex. 2010 , 39, 5166-71		15
1872	Silica nanotubes and their assembly assisted by boric acid to hierarchical mesostructures. 2010 , 26, 4572-5		36
1871	Ordered mesoporous carbon/alumina nanosheet composites. 2010 , 2, 2868-72		7
1870	pH-Sensitive mesoporous zirconium diphosphonates for controllable colon-targeted delivery. 2010 , 20, 6495		24
1869	Morphology control of ordered mesoporous carbons by changing HCl concentration. 2011 , 21, 5345		23
1868	Mesoporous carbon nanospheres with an excellent electrocapacitive performance. 2011 , 21, 2274-2281		153

1867	Boron and nitrogen-rich carbons from ionic liquid precursors with tailorable surface properties. 2011 , 13, 13486-91	85
1866	Large-scale synthesis of In ₂ S ₃ nanosheets and their rechargeable lithium-ion battery. 2011 , 21, 17063	55
1865	One-Stage Synthesis of Cage-like Porous Polymeric Microspheres and Application as Catalyst Scaffold of Pd Nanoparticles. 2011 , 44, 3730-3738	64
1864	Carbon-supported ultra-thin anatase TiO ₂ nanosheets for fast reversible lithium storage. 2011 , 21, 5687	158
1863	Tuning the Mesopore Size of Titania Thin Films Using a Polymeric Swelling Agent. 2011 , 115, 11925-11933	26
1862	Investigation of formaldehyde oxidation over Co ₃ O ₄ -Ce ₂ and Au/Co ₃ O ₄ -CeO ₂ catalysts at room temperature: effective removal and determination of reaction mechanism. 2011 , 45, 3628-34	234
1861	Non-Hydrothermal Synthesis of Cylindrical Mesoporous Materials: Influence of the Surfactant/Silica Molar Ratio. 2011 , 29, 975-988	19
1860	Heterogeneous Photocatalytic Remediation of Phenol by Platinized Titania/Silica Mixed Oxides under Solar-Simulated Conditions. 2011 , 115, 25568-25579	13
1859	Effects of Crystalline Phase and Particle Size on the Properties of Plate-Like Fe ₂ O ₃ Nanoparticles during α to β Phase Transformation. 2011 , 115, 3602-3611	36
1858	Facile Synthesis of Ordered Mesoporous Alumina and Alumina-Supported Metal Oxides with Tailored Adsorption and Framework Properties. <i>Chemistry of Materials</i> , 2011 , 23, 1147-1157	9.6 246
1857	Introduction of bridging and pendant organic groups into mesoporous alumina materials. 2011 , 3, 4480-6	6
1856	Structural Characterization and Photocatalytic Activity of Hydrothermally Synthesized Mesoporous TiO ₂ for 2,4,6-Tribromophenol Degradation in Water. 2011 , 32, 1349-1356	5
1855	A facile synthesis of anatase TiO ₂ nanosheets-based hierarchical spheres with over 90% {001} facets for dye-sensitized solar cells. 2011 , 47, 1809-11	185
1854	Nitrogen self-doped nanosized TiO ₂ sheets with exposed {001} facets for enhanced visible-light photocatalytic activity. 2011 , 47, 6906-8	319
1853	Formation of SnO ₂ hollow nanospheres inside mesoporous silica nanoreactors. 2011 , 133, 21-3	364
1852	Mesophase ordering and structuring of porous titanium dioxide with high surface area and strong light harvesting matrix for dye-sensitized solar cell. 2011 , 1322, 107	
1851	Facile construction of multicompartiment multienzyme system through layer-by-layer self-assembly and biomimetic mineralization. 2011 , 3, 881-9	90
1850	Microwave-Assisted Hydrothermal Synthesis of Nanosized β -Fe ₂ O ₃ for Catalysts and Adsorbents. 2011 , 115, 19626-19631	83

1849	Comparative Electroadsorption Study of Mesoporous Carbon Electrodes with Various Pore Structures. 2011 , 115, 17068-17076		95
1848	Low-Temperature Fluorination of Soft-Templated Mesoporous Carbons for a High-Power Lithium/Carbon Fluoride Battery. <i>Chemistry of Materials</i> , 2011 , 23, 4420-4427	9.6	76
1847	Preparation and enhanced visible-light photocatalytic H ₂ -production activity of CdS-sensitized Pt/TiO ₂ nanosheets with exposed (001) facets. 2011 , 13, 8915-23		222
1846	Synthesis and structural characterization of nanometric ceria highly dispersed in SBA-15 with oxygen exchange capacity. 2011 , 21, 15678		13
1845	Electrophoretic deposition of mesoporous TiO ₂ nanoparticles consisting of primary anatase nanocrystallites on a plastic substrate for flexible dye-sensitized solar cells. 2011 , 47, 8346-8		54
1844	Controlled synthesis of hierarchical NiO nanosheet hollow spheres with enhanced supercapacitive performance. 2011 , 21, 6602		255
1843	MCM-41 Porosity: Are Surface Corrugations Micropores?. 2011 , 29, 443-455		6
1842	Direct Synthesis and Accessibility of Amine-Functionalized Mesoporous Silica Templated Using Fluorinated Surfactants. 2011 , 50, 5510-5522		15
1841	Controllable synthesis and characterization of porous FeVO ₄ nanorods and nanoparticles. 2011 , 13, 897-901		34
1840	Synthesis of SnO ₂ Hierarchical Structures Assembled from Nanosheets and Their Lithium Storage Properties. 2011 , 115, 24605-24610		181
1839	Direct synthesis of flat cake-type ordered mesoporous carbon in a double surfactant system of P123/CTAB. 2011 , 21, 5576		17
1838	Phosphorylated mesoporous carbon as a solid acid catalyst. 2011 , 13, 2492-4		25
1837	Bioinspired Approach to Synthesizing Hierarchical Porous Materials. 2011 , 173-207		
1836	Hierarchically porous calcined lithium/aluminum layered double hydroxides: Facile synthesis and enhanced adsorption towards fluoride in water. 2011 , 21, 19353		78
1835	Controlling Particle Size and Structural Properties of Mesoporous Silica Nanoparticles Using the Taguchi Method. 2011 , 115, 13158-13165		134
1834	Template-directed hydrothermal synthesis of hydroxyapatite as a drug delivery system for the poorly water-soluble drug carvedilol. 2011 , 257, 10126-10133		51
1833	Enhanced photocatalytic H ₂ production activity of graphene-modified titania nanosheets. 2011 , 3, 3670-8		678
1832	A new approach to synthesis of periodic mesoporous organosilicas: taking advantage of self-assembly and reactivity of organic precursors. 2011 , 21, 6389		15

1831	Microscale spherical carbon-coated Li ₄ Ti ₅ O ₁₂ as ultra high power anode material for lithium batteries. 2011 , 4, 1345	399
1830	Ultrasound-assisted preparation of titania/alumina support with high surface area and large pore diameter by modified precipitation method. 2011 , 509, 3430-3434	22
1829	Synthesis and electrochemical properties of porous LiV ₃ O ₈ as cathode materials for lithium-ion batteries. 2011 , 509, 6030-6035	22
1828	Metallic inorganic/organic hybrid system through functionalized Schiff-base linkage: Molecular assembly, characterization and luminescence. 2011 , 509, 9240-9245	7
1827	Preparation of polyaniline/2-dimensional hexagonal mesoporous carbon composite for supercapacitor. 2011 , 161, 1623-1628	25
1826	Preparation, characterization and luminescence properties of ternary europium complexes covalently bonded to titania and mesoporous SBA-15. 2011 , 21, 8129	29
1825	Photoactive lanthanide (Eu ³⁺ , Tb ³⁺) centered hybrid systems with titania (alumina)-mesoporous silica based hosts. 2011 , 21, 18454	21
1824	Intercalation of mesoporous carbon spheres between reduced graphene oxide sheets for preparing high-rate supercapacitor electrodes. 2011 , 4, 1866	394
1823	Fabrication and enhanced visible-light photocatalytic activity of carbon self-doped TiO ₂ sheets with exposed {001} facets. 2011 , 21, 1049-1057	360
1822	Hierarchically structured one-dimensional TiO ₂ for protein immobilization, direct electrochemistry, and mediator-free glucose sensing. 2011 , 5, 7617-26	190
1821	Titania-Silica Nanocomposite Photocatalysts with Application in Stone Self-Cleaning. 2011 , 115, 22851-22862	113
1820	Graphene-supported anatase TiO ₂ nanosheets for fast lithium storage. 2011 , 47, 5780-2	289
1819	Synthetic Chemistry of the Inorganic Ordered Porous Materials. 2011 , 339-373	6
1818	Cosolvent-Induced Gelation and the Hydrothermal Enhancement of the Crystallinity of Titania/Silica Mixed Oxides for the Photocatalytic Remediation of Organic Pollutants. 2011 , 115, 6126-6135	28
1817	. 2011 ,	14
1816	Nanofabrication of Metal Oxide Nanostructures in Aqueous Solutions. 2011 ,	1
1815	A Study of Mn(II) Ion Capture by Mesoporous Silica. 2011 , 29, 345-356	4
1814	Systematic Simulation of Disordered Cylindrical Nanoporous Materials. 2011 , 29, 677-689	

1813	Synthesis of a Well-Ordered Mesoporous 58S Bioactive Glass by a Simple Method. 2011 , 8, 547-552	13
1812	Immobilization of glucose oxidase enzyme (GOD) in large pore ordered mesoporous cage-like FDU-1 silica. 2011 , 70, 149-153	9
1811	Improving the visible light photocatalytic activity of mesoporous TiO ₂ via the synergetic effects of B doping and Ag loading. 2011 , 72, 1290-1295	23
1810	Synthesis of ZnO nanospheres with uniform nanopores by a hydrothermal process. 2011 , 72, 1548-1553	27
1809	Superior electrode performance of mesoporous hollow TiO ₂ microspheres through efficient hierarchical nanostructures. 2011 , 196, 8618-8624	50
1808	Humidity sensing properties of mesoporous iron oxide/silica composite prepared via hydrothermal process. 2011 , 160, 334-340	44
1807	Rectangular MgO microsheets with strong catalytic activity. 2011 , 129, 853-861	69
1806	Solid-phase reaction synthesis of mesostructured tungsten disulfide material with a high specific surface area. 2011 , 46, 1323-1326	10
1805	Preparation with a facile template-free method of uniform-sized mesoporous microspheres of rare earth (La, Ce, Pr, Nd) oxides. 2011 , 46, 1902-1907	9
1804	A facile synthesis method for millimeter polyacrylonitrile-based activated carbon spheres with radiate tunnel-like macropores. 2011 , 65, 1022-1024	6
1803	Sol-gel synthesis, microstructure and adsorption properties of hollow silica spheres. 2011 , 65, 1811-1814	19
1802	Catalytic oxidation of benzene over nanostructured porous Co ₃ O ₄ -CeO ₂ composite catalysts. 2011 , 23, 2078-86	34
1801	Selective hydrogenation of benzene to cyclohexene on Ru-based catalysts promoted with Mn and Zn. 2011 , 20, 53-59	26
1800	Synthesis of Ni ₂ P promoted trimetallic NiMoW/Al ₂ O ₃ catalysts for diesel oil hydrotreatment. 2011 , 20, 117-122	13
1799	Adsorption and structural properties of ordered mesoporous alumina synthesized in the presence of F127 block copolymer. 2011 , 385, 121-125	30
1798	Study of the effect of cobalt content in obtaining olefins and paraffins using the Fischer-Tropsch reaction. 2011 , 172, 152-157	14
1797	Exotemplating synthesis of nitrogen-doped carbon materials with hierarchically porous structure and their application for lysozyme adsorption. 2011 , 174, 452-460	10
1796	Mesoporous carbon for capacitive deionization of saline water. 2011 , 45, 10243-9	302

1795	Cellulase immobilized mesoporous silica nanocatalysts for efficient cellulose-to-glucose conversion. 2011 , 13, 2844	123
1794	Hierarchical mesostructured titanium phosphonates with unusual uniform lines of macropores. 2011 , 3, 1690-6	20
1793	Effect of nonionic structure-directing agents on adsorption and structural properties of mesoporous alumina. 2011 , 21, 9066	42
1792	High surface area methyltriethoxysilane-derived aerogels by ambient pressure drying. 2011 , 18, 159-165	26
1791	Direct synthesis of porous molybdenum disulfide materials using silica sol as the template. 2011 , 18, 673-676	3
1790	Tuning the wall thickness and pore orientation in mesoporous titania films prepared with low-temperature aging. 2011 , 60, 81-90	8
1789	Low-temperature synthesis and characterization of the Mn ₂ N ferrite. 2011 , 104, 577-583	23
1788	Utilising thermoporometry to obtain new insights into nanostructured materials. 2011 , 105, 811-821	44
1787	Improvement in the Pore Size Distribution for Ordered Mesoporous Materials with Cylindrical and Spherical Pores Using the Kelvin Equation. 2011 , 54, 121-134	45
1786	Effect of the Synthesis Method on Co-catalysts Based on MCM-41 for the Fischer-Tropsch Reaction. 2011 , 54, 190-200	13
1785	Charge storage performance of doped carbons prepared from polyaniline for supercapacitors. 2011 , 15, 175-182	36
1784	Microwave preparation of Ti-containing mesoporous materials. Application as catalysts for transesterification. 2011 , 166, 744-750	21
1783	Water-bathing synthesis of high-surface-area zeolite P from diatomite. 2011 , 9, 174-178	31
1782	Synthesis of novel SnO ₂ /ZnSnO ₃ core-shell microspheres and their gas sensing properties. 2011 , 155, 606-611	47
1781	Thermostable nitrogen-doped HTiNbO ₅ nanosheets with a high visible-light photocatalytic activity. 2011 , 4, 635-647	55
1780	Ordered, mesoporous metal phosphonate materials with microporous crystalline walls for selective separation techniques. 2011 , 7, 1827-37	57
1779	Brick-and-Mortar Self-Assembly Approach to Graphitic Mesoporous Carbon Nanocomposites. 2011 , 21, 2208-2215	93
1778	Highly Improved Rate Capability for a Lithium-Ion Battery Nano-Li ₄ Ti ₅ O ₁₂ Negative Electrode via Carbon-Coated Mesoporous Uniform Pores with a Simple Self-Assembly Method. 2011 , 21, 4349-4357	241

1777	Aerosol route to functional nanostructured inorganic and hybrid porous materials. 2011 , 23, 599-623	295
1776	Mesoporous organosilicas with large cage-like pores for high efficiency immobilization of enzymes. 2011 , 23, 2627-32	109
1775	Soft-templated mesoporous carbon-carbon nanotube composites for high performance lithium-ion batteries. 2011 , 23, 4661-6	312
1774	Synthesis and characterization of mesoporous carbon with narrow pore size distribution derived from rare earth macro-molecule complexes. 2011 , 121, 3466-3474	5
1773	Controllable synthesis of Y ₂ O ₃ microstructures for application in cataluminescence gas sensing. 2011 , 17, 7105-11	30
1772	Sulfonic-acid-functionalized porous benzene phenol polymer and carbon for catalytic esterification of methanol with acetic acid. 2011 , 166, 53-59	17
1771	Synthesis and characterization of novel SiO ₂ and TiO ₂ co-pillared montmorillonite composite for adsorption and photocatalytic degradation of hydrophobic organic pollutants in water. 2011 , 164, 364-369	34
1770	Zirconium ribonucleotide surface-functionalized mesoporous SBA-15 materials with high capacity of CO ₂ capture. 2011 , 171, 368-372	10
1769	Hierarchically porous phenolic resin-based carbons obtained by block copolymer-colloidal silica templating and post-synthesis activation with carbon dioxide and water vapor. 2011 , 49, 154-160	111
1768	Controlled release of IFC-305 encapsulated in silica nanoparticles for liver cancer synthesized by sol-gel. 2011 , 384, 131-136	19
1767	Mesoporous NiO/Al ₂ O ₃ catalyst for high pressure partial oxidation of methane to syngas. 2011 , 392, 86-92	40
1766	Solvent-free chromium catalyzed aerobic oxidation of biomass-based alkenes as a route to valuable fragrance compounds. 2011 , 399, 172-178	28
1765	An in vitro controlled release study of valproic acid encapsulated in a titania ceramic matrix. 2011 , 257, 7920-7927	19
1764	Enhancement of electrosorption capacity of activated carbon fibers by grafting with carbon nanofibers. 2011 , 56, 3164-3169	27
1763	A wormhole-structured mesoporous carbon with superior adsorption for dyes. 2011 , 49, 1912-1918	22
1762	A direct synthesis of mesoporous carbon supported MgO sorbent for CO ₂ capture. 2011 , 90, 1662-1667	85
1761	A nanoparticle assembly method for the production of crystalline ordered mesoporous titanium oxide/carbon composites. 2011 , 139, 87-93	11
1760	Porous silicon oxycarbide glasses from hybrid ambigels. 2011 , 142, 511-517	32

1759	SO ₃ H-bearing mesoporous carbon with highly selective catalysis. 2011 , 143, 443-450	70
1758	Wavelength shifting systems based on flavonols and their metal complexes encapsulated by post-doping in porous SiO ₂ xerogel matrices. 2011 , 993, 485-490	15
1757	Facile synthesis of ordered mesoporous alumina monoliths via polymerization-based gel-casting. 2011 , 138, 40-44	28
1756	Improving photoelectrochemical activity of dye sensitized solar cell by a bilayered electrode with an overlayer of mesoporous anatase TiO ₂ . 2011 , 9, 222-227	12
1755	Adsorption and degradation of model volatile organic compounds by a combined titania-montmorillonite-silica photocatalyst. 2011 , 190, 416-23	76
1754	A general, one-step and template-free synthesis of sphere-like zinc ferrite nanostructures with enhanced photocatalytic activity for dye degradation. 2011 , 358, 102-8	217
1753	Poly(lactic acid)-coated mesoporous silica nanosphere for controlled release of venlafaxine. 2011 , 360, 488-96	37
1752	Periodic mesoporous organosilicas with bis(8-quinolinolato) dioxomolybdenum(VI) inside the channel walls. 2011 , 362, 157-63	26
1751	Sorption behaviour of nanocrystalline MOR type zeolite for Th(IV) and Eu(III) removal from aqueous waste by batch treatment. 2011 , 362, 144-56	33
1750	C-doped WO ₃ microtubes assembled by nanoparticles with ultrahigh sensitivity to toluene at low operating temperature. 2011 , 155, 86-92	63
1749	[Cu(H ₂ btec)(bipy)] _n Reusable Metal Organic Polymer Catalyst for Epoxidation Reactions. 2011 , 304, 65-71	7
1748	Synthesis of Hierarchically Porous ZSM-5 by Solvent-Evaporation Route. 2011 , 311-313, 540-544	1
1747	Microwave Assisted Synthesis of CuO Nanostructures in Ionic Liquids. 2011 , 281, 127-131	
1746	Block-copolymer-assisted synthesis of hydroxyapatite nanoparticles with high surface area and uniform size. 2011 , 12, 045005	39
1745	SnO ₂ NANOCRYSTALLITE: NOVEL SYNTHETIC ROUTE FROM DEEP EUTECTIC SOLVENT AND LITHIUM STORAGE PERFORMANCE. 2011 , 04, 377-381	22
1744	Block-Copolymer-Templated Synthesis of Ordered Silicas with Closed Mesopores. 2011 , 285-297	2
1743	SOLID SULFONIC ACID CATALYSTS BASED ON POROUS CARBONS AND CARBON/SILICA COMPOSITES. 2011 , 18, 229-239	5
1742	Enhanced activity of hierarchical zeolitic material with ZSM-5 structure for the tert-butylation of phenol. 2011 , 6, 612-621	3

1741	A Comparative Characterization of the HPA-MCM-48 Type Catalysts Produced by the Direct Hydrothermal and Room Temperature Synthesis Methods. 2012 , 2012, 1-11	5
1740	Synthesis of carbon nanotube-anatase TiO ₂ sub-micrometer-sized sphere composite photocatalyst for synergistic degradation of gaseous styrene. 2012 , 4, 5988-96	111
1739	Acid-Base bi-functionalized, large-pored mesoporous silica nanoparticles for cooperative catalysis of one-pot cellulose-to-HMF conversion. 2012 , 22, 23181	112
1738	High pressure hydrogen sulphide adsorption on silica-aluminas. 2012 , 210, 398-403	18
1737	Effect of acid concentration on pore size in polymer-templated mesoporous alumina. 2012 , 22, 86-92	43
1736	Synthesis and characterization of a fluorinated oligosiloxane-containing encapsulation material for organic field-effect transistors, prepared via a non-hydrolytic sol-gel process. 2012 , 13, 2786-2792	15
1735	Anatase TiO ₂ nanocrystals with exposed {001} facets on graphene sheets via molecular grafting for enhanced photocatalytic activity. 2012 , 4, 613-20	188
1734	Magnetic composite microspheres with exposed {001} faceted TiO ₂ shells: a highly active and selective visible-light photocatalyst. 2012 , 22, 13341	44
1733	Poly(ethylene oxide)-poly(butylene oxide)-poly(ethylene oxide)-templated synthesis of mesoporous alumina: effect of triblock copolymer and acid concentration. 2012 , 4, 3738-44	15
1732	Lithium-sulfur batteries based on nitrogen-doped carbon and an ionic-liquid electrolyte. 2012 , 5, 2079-85	177
1731	Smart synthesis of hollow core mesoporous shell carbons (HCMSC) as effective catalyst supports for methanol oxidation and oxygen reduction reactions. 2012 , 16, 3087-3096	32
1730	Efficient One-Pot Microwave-Assisted Hydrothermal Synthesis of Nitrogen-Doped TiO ₂ for Hydrogen Production by Photocatalytic Water Splitting. 2012 , 16, 231-239	10
1729	Direct synthesis of Nd ³⁺ doped mesoporous TiO ₂ and investigation of its photocatalytic performance. 2012 , 64, 564-570	5
1728	Direct synthesis of mesoporous ZSM-5 zeolite by a dual-functional surfactant approach. 2012 , 210, 96-102	48
1727	Mesoporous TiO ₂ aggregate photoanode with high specific surface area and strong light scattering for dye-sensitized solar cells. 2012 , 196, 504-510	19
1726	Kinetics modeling of ethylbenzene dehydrogenation to styrene over a mesoporous alumina supported iron catalyst. 2012 , 207-208, 308-321	25
1725	Synthesis and Characterization of Small Crystals NaY Zeolite with High Silicon. 2012 , 554-556, 81-88	1
1724	Novel mesoporous NiO/HTiNbO ₅ nano hybrids with high visible-light photocatalytic activity and good biocompatibility. 2012 , 4, 547-56	41

1723	Simple self-assembly of HLaNb ₂ O ₇ nanosheets and Ag nanoparticles/clusters and their catalytic properties. 2012 , 22, 22929	22
1722	Synthesis of long TiO ₂ nanowire arrays with high surface areas via synergistic assembly route for highly efficient dye-sensitized solar cells. 2012 , 22, 17531	70
1721	Employing a new modified nanoporous carbon for extraction and determination of 1,10-phenanthroline and 2,2'-bipyridine by SPE and use of the Taguchi optimization method. 2012 , 4, 4220	8
1720	Synthesis of TiN hollow sphere by a modified one-step template self-assembly method. 2012 , 14, 2186	5
1719	Nanotube-based hierarchical titanate microspheres: an improved anode structure for Li-ion batteries. 2012 , 48, 389-91	46
1718	Adsorption and structural properties of ordered mesoporous carbons synthesized by soft-templating in the presence of boric acid and tetraethyl orthosilicate. 2012 , 2, 1877	14
1717	Hierarchical SnO ₂ /Fe ₂ O ₃ heterostructures as lithium-ion battery anodes. 2012 , 22, 21923	77
1716	Enhanced electrochemical performance of polyaniline/sulfonated polyhedral oligosilsesquioxane nanocomposites with porous and ordered hierarchical nanostructure. 2012 , 22, 1884-1892	54
1715	Novel polysiloxane and polycarbosilane aerogels via hydrosilylation of preceramic polymers. 2012 , 22, 7676	59
1714	Polyethylenimine covalently grafted on mesostructured porous silica for CO ₂ capture. 2012 , 2, 2508	53
1713	Partitioned cooperative self-assembly process: taking the mesopore swelling strategy one step further for the preparation of mesocellular foams. 2012 , 22, 3462	14
1712	Microwave-solvothermal synthesis of various polymorphs of nanostructured TiO ₂ in different alcohol media and their lithium ion storage properties. 2012 , 51, 3505-12	36
1711	Study of Adsorptive Denitrogenation of Diesel Fuel over Mesoporous Molecular Sieves Based on Breakthrough Curves. 2012 , 51, 16059-16065	28
1710	Mesoporous Zirconium Phosphonate Hybrid Material as Adsorbent to Heavy Metal Ions. 2012 , 120914130135007	
1709	Highly conductive and porous activated reduced graphene oxide films for high-power supercapacitors. 2012 , 12, 1806-12	782
1708	Controlled morphogenesis of amorphous silica and its relevance to biosilicification. 2012 , 97, 1381-1393	9
1707	Mesoporous silica SBA-15, a new adsorbent for bioactive polyphenols from red wine. 2012 , 732, 180-5	22
1706	Polymer-templated mesoporous carbons synthesized in the presence of nickel nanoparticles, nickel oxide nanoparticles, and nickel nitrate. 2012 , 258, 3763-3770	19

1705	Highly-controlled grafting of mono and dicationic 4,4'-bipyridine derivatives on SBA-15 for potential application as adsorbent of CuCl ₂ from ethanol solution. 2012 , 384, 137-42	3
1704	Microstructure and supercapacitive properties of buserite-type manganese oxide with a large basal spacing. 2012 , 216, 425-433	24
1703	Examination of the electroactive composites containing cobalt nanoclusters and nitrogen-doped nanostructured carbon as electrocatalysts for oxygen reduction reaction. 2012 , 220, 20-30	18
1702	Size- and morphology-controlled biomimetic synthesis of hierarchical hollow BaCO ₃ . 2012 , 14, 8554	12
1701	Synthesis and temperature-induced morphological control in a hybrid porous iron-phosphonate nanomaterial and its excellent catalytic activity in the synthesis of benzimidazoles. 2012 , 18, 13372-8	46
1700	Pd(II) nanoparticles in porous polystyrene: factors influencing the nanoparticle size and catalytic properties. 2012 , 22, 6441	21
1699	Hybrid porous tin(IV) phosphonate: an efficient catalyst for adipic acid synthesis and a very good adsorbent for CO ₂ uptake. 2012 , 48, 6738-40	44
1698	Flexible single-walled carbon nanotube/polycellulose papers for lithium-ion batteries. 2012 , 23, 495401	32
1697	Facile synthesis of core-shell Au@CeO ₂ nanocomposites with remarkably enhanced catalytic activity for CO oxidation. 2012 , 5, 8937	232
1696	Phase control of hierarchically structured mesoporous anatase TiO ₂ microspheres covered with {001} facets. 2012 , 22, 21965	63
1695	Fabrication of Macro-Mesoporous Zirconia-Alumina Materials with a One-Dimensional Hierarchical Structure. 2012 , 12, 1402-1410	11
1694	Porous cobalt oxides with tunable hierarchical morphologies for supercapacitor electrodes. 2012 , 14, 6702	90
1693	Magnetic nanoscaled Fe ₃ O ₄ /CeO ₂ composite as an efficient Fenton-like heterogeneous catalyst for degradation of 4-chlorophenol. 2012 , 46, 10145-53	772
1692	Identification of Metal-Organic Framework Materials for Adsorption Separation of Rare Gases: Applicability of Ideal Adsorbed Solution Theory (IAST) and Effects of Inaccessible Framework Regions. 2012 , 116, 13183-13195	92
1691	Fabrication of Spherical Multi-Hollow TiO ₂ Nanostructures for Photoanode Film with Enhanced Light-Scattering Performance. 2012 , 51, 2838-2845	47
1690	Near-infrared luminescence of periodic mesoporous organosilicas grafted with lanthanide complexes based on visible-light sensitization. 2012 , 22, 5121	57
1689	Large-surface mesoporous TiO ₂ nanoparticles: synthesis, growth and photocatalytic performance. 2012 , 387, 74-83	52
1688	Isomerization of α -pinene oxide catalyzed by iron-modified mesoporous silicates. 2012 , 443-444, 125-132	29

1687	Hydrothermal synthesis of well-aligned hierarchical TiO ₂ tubular macrochannel arrays with large surface area for high performance dye-sensitized solar cells. 2012 , 99, 198-205	24
1686	Effect of low Fe ³⁺ doping on characteristics, sonocatalytic activity and reusability of TiO ₂ nanotubes catalysts for removal of Rhodamine B from water. 2012 , 235-236, 326-35	74
1685	The electromagnetic properties and microwave absorption of mesoporous carbon. 2012 , 135, 884-891	164
1684	Synthesis, characterization and photocatalytic activity of neodymium, nitrogen and neodymium-nitrogen doped TiO ₂ . 2012 , 47, 2165-2177	29
1683	The simple preparation of birnessite-type manganese oxide with flower-like microsphere morphology and its remarkable capacity retention. 2012 , 47, 3533-3537	17
1682	Effect of aluminium incorporation by the pH-adjusting method on the structural, acidic and catalytic properties of mesoporous SBA-15. 2012 , 163, 51-64	52
1681	Direct encapsulation of proteins into calcium silicate microparticles by water/oil/water interfacial reaction method and their responsive release behaviors. 2012 , 32, 2484-2490	14
1680	Facile one-pot synthesis of mesoporous hierarchically structured silica/carbon nanomaterials. 2012 , 22, 13918	67
1679	Lithium-sulphur batteries with a microporous carbon paper as a bifunctional interlayer. 2012 , 3, 1166	1129
1678	Nitrogen-doped mesoporous nano hybrids of TiO ₂ nanoparticles and HTiNbO ₅ nanosheets with a high visible-light photocatalytic activity and a good biocompatibility. 2012 , 22, 19122	49
1677	High performance ordered mesoporous carbon/carbon nanotube composite electrodes for capacitive deionization. 2012 , 22, 6603	151
1676	Application of the soluble salt-assisted route to scalable synthesis of ZnO nanopowder with repeated photocatalytic activity. 2012 , 23, 065402	42
1675	Reduced graphene oxide and activated carbon composites for capacitive deionization. 2012 , 22, 15556	191
1674	Efficient Adsorption and Combined Heterogeneous/Homogeneous Fenton Oxidation of Amaranth Using Supported Nano-FeOOH As Cathodic Catalysts. 2012 , 116, 3623-3634	85
1673	Facile preparation of ZnMn ₂ O ₄ hollow microspheres as high-capacity anodes for lithium-ion batteries. 2012 , 22, 827-829	226
1672	Preparation of High Pore Volume Pseudoboehmite Doped with Transition Metal Ions through Direct Precipitation Method. 2012 , 51, 15386-15392	9
1671	Synthesis and superior anode performance of TiO ₂ @reduced graphene oxide nanocomposites for lithium ion batteries. 2012 , 22, 9759	121
1670	Sol-Gel Derived Boehmite as an Efficient and Robust Carrier for Enzyme Encapsulation. 2012 , 51, 255-261	18

- 1669 Hydrothermal synthesis of 3D urchin-like Fe₂O₃ nanostructure for gas sensor. **2012**, 173, 52-57 106
- 1668 One-pot synthesis of intermetallic electrocatalysts in ordered, large-pore mesoporous carbon/silica toward formic acid oxidation. **2012**, 6, 6870-81 85
- 1667 Hierarchically porous titanium phosphate nanoparticles: an efficient solid acid catalyst for microwave assisted conversion of biomass and carbohydrates into 5-hydroxymethylfurfural. **2012**, 22, 14094 81
- 1666 Producing surfactant-synthesized nanomaterials in situ on a building substrate, without volatile organic compounds. **2012**, 4, 4259-69 66
- 1665 Ultrathin MnO₂ nanofibers grown on graphitic carbon spheres as high-performance asymmetric supercapacitor electrodes. **2012**, 22, 153-160 503
- 1664 Mesoporous SrTiO₃ nanowires from a template-free hydrothermal process. **2012**, 2, 2790 30
- 1663 Novel fiber coated with nanoporous carbons for headspace solid-phase microextraction of chlorophenols from aqueous media. **2012**, 4, 2555 15
- 1662 Adjuvant properties of mesoporous silica particles tune the development of effector T cells. **2012**, 8, 2116-24 53
- 1661 Organic/inorganic hybrid porous sulfonated zinc phosphonate material: efficient catalyst for biodiesel synthesis at room temperature. **2012**, 14, 2273 44
- 1660 Synthesis of Mesoporous Zirconium Organophosphonate Solid-Acid Catalysts. **2012**, 2012, 2661-2664 38
- 1659 Thermal Stability and Optimal Photoinduced Hydrophilicity of Mesoporous TiO₂ Thin Films. **2012**, 116, 9517-9525 32
- 1658 Nanosheet-constructed porous TiO₂-B for advanced lithium ion batteries. **2012**, 24, 3201-4 334
- 1657 A Topotactic Synthetic Methodology for Highly Fluorine-Doped Mesoporous Metal Oxides. **2012**, 124, 2942-2947 7
- 1656 A topotactic synthetic methodology for highly fluorine-doped mesoporous metal oxides. **2012**, 51, 2888-93 12
- 1655 Cellulose-nanowhisiker-templated synthesis of titanium dioxide/cellulose nanomaterials with promising photocatalytic abilities. **2012**, 126, E282-E290 26
- 1654 Carbon-doped Titania Hollow Spheres with Tunable Hierarchical Macroporous Channels and Enhanced Visible Light-induced Photocatalytic Activity. **2012**, 4, 488-491 42
- 1653 A strategy for the synthesis of mesostructured metal oxides with lower oxidation states. **2012**, 18, 5080-6 33
- 1652 A highly efficient and selective polysilsesquioxane sorbent for heavy metal removal. **2012**, 13, 2536-9 6

1651	Tunable synthesis of hierarchical TiO ₂ spheres consisting of rutile nanowires for dye-sensitized solar cells and photocatalysis. 2012 , 47, 677-683	1
1650	Synthesis, characterization, and CO ₂ adsorptive behavior of mesoporous AlOOH-supported layered hydroxides. 2012 , 5, 1249-57	32
1649	Synthesis of a porous birnessite manganese dioxide hierarchical structure using thermally reduced graphene oxide paper as a sacrificing template for supercapacitor application. 2012 , 36, 1490	44
1648	Preparation and Characterization of Mesoporous MoO ₃ /TiO ₂ Composite with High Surface Area by Self-Supporting and Ammonia Method. 2012 , 142, 480-485	11
1647	High-temperature preparation and electrochemical properties of TiO ₂ anatase phase-mounted carbon aerogels. 2012 , 47, 5926-5932	4
1646	Fluorescence Properties Change of Lanthanide Coordination Polymers Dispersed in Mesoporous SBA-15 by Energy Transition Process. 2012 , 22, 744-755	9
1645	Heavy metal removal of tri-amino-functionalized sol-gel hybrids with tailored characteristics. 2012 , 62, 177-185	12
1644	Mesoporous CeO ₂ nanowires as recycled photocatalysts. 2012 , 55, 1303-1307	10
1643	Highly flexible magnetic composite aerogels prepared by using cellulose nanofibril networks as templates. 2012 , 89, 551-7	68
1642	One-pot synthesis of phosphorylated mesoporous carbon heterogeneous catalysts with tailored surface acidity. 2012 , 186, 12-19	19
1641	Functionalized organosilicate materials for irritant gas removal. 2012 , 68, 376-382	23
1640	Incorporation of tungsten oxide in mesoporous silica: Catalytic epoxidation of olefins using sodium-bi-carbonate as co-catalyst. 2012 , 384, 233-238	12
1639	Synthesis of graphitic carbon nitride by directly heating sulfuric acid treated melamine for enhanced photocatalytic H ₂ production from water under visible light. 2012 , 37, 125-133	241
1638	Preparation of a porous carbon from ferrocene-loaded polyaniline and its use in hydrogen adsorption. 2012 , 37, 7629-7637	14
1637	Influence of the Cr loading in Cr/MCM-41 and TiO ₂ /Cr/MCM-41 molecular sieves for the photodegradation of Acid Orange 7. 2012 , 413-414, 280-291	38
1636	Enhanced photocatalytic water splitting activity of carbon-modified TiO ₂ composite materials synthesized by a green synthetic approach. 2012 , 37, 8257-8267	91
1635	Effect of cosolvent organic molecules on the adsorption and structural properties of soft-templated ordered mesoporous alumina. 2012 , 367, 129-34	13
1634	Supercritical carbon dioxide swelling of fluorinated and hydrocarbon surfactant templates in mesoporous silica thin films. 2012 , 367, 183-92	7

1633	Synthesis of porous poly(styrene-co-acrylic acid) microspheres through one-step soap-free emulsion polymerization: whys and wherefores. 2012 , 368, 220-5	39
1632	Direct synthesis of hierarchical LTA zeolite via a low crystallization and growth rate technique in presence of cetyltrimethylammonium bromide. 2012 , 382, 1-12	34
1631	High specific capacity of TiO ₂ -graphene nanocomposite as an anode material for lithium-ion batteries in an enlarged potential window. 2012 , 74, 65-72	68
1630	Optical and magnetic properties of γ -Fe ₂ O ₃ nanoparticles encapsulated in SBA-15 fabricated by double solvent technique. 2012 , 7, 219	4
1629	Photocatalytic degradation of the herbicide iodosulfuron by neodymium or nitrogen doped TiO ₂ . 2012 , 133, 1116-1126	17
1628	Synthesis of large-pore mesoporous nanocrystalline TiO ₂ microspheres. 2012 , 75, 68-70	19
1627	A novel mesoporous carbon with straight tunnel-like pore structure for high rate electrochemical capacitors. 2012 , 204, 230-235	52
1626	Ternary europium mesoporous polymeric hybrid materials Eu(β -diketonate) ₃ pvpd-SBA-15(16): host-guest construction, characterization and photoluminescence. 2012 , 190, 36-44	11
1625	Ternary rare earth sulfoxide-functionalized mesoporous hybrids Phen-RE (OBDS(BSAB)) ₃ -SBA-15 (RE=Eu, Tb): Coordination bonding assembly, characterization, and photoluminescence. 2012 , 148, 73-79	10
1624	Self-assembled hierarchical porous layered double hydroxides by solvothermal method and their application for capacitors. 2012 , 148, 159-165	35
1623	The effect of pore structure of zeolite on the adsorption of VOCs and their desorption properties by microwave heating. 2012 , 152, 78-83	156
1622	Morphology and topography analysis of mesoporous titania templated by micrometric latex sphere arrays. 2012 , 152, 84-95	4
1621	Development of an amorphous mesoporous TiO ₂ nanosphere as a novel carrier for poorly water-soluble drugs: Effect of different crystal forms of TiO ₂ carriers on drug loading and release behaviors. 2012 , 153, 124-130	39
1620	Improved activity and stability of lipase immobilized in cage-like large pore mesoporous organosilicas. 2012 , 154, 133-141	55
1619	Soft-templating synthesis of ordered mesoporous carbons in the presence of tetraethyl orthosilicate and silver salt. 2012 , 156, 121-126	16
1618	Formation of LTA zeolite crystals with multi-hollow polycrystalline core-shell structure via aggregation-crystallization route in presence of emulsion droplets. 2012 , 160, 75-84	14
1617	Cellulose scaffold: A green template for the controlling synthesis of magnetic inorganic nanoparticles. 2012 , 217, 502-509	54
1616	The photocatalytic degradation of 17 β -ethynylestradiol by pure and carbon nanotubes modified TiO ₂ under UVC illumination. 2012 , 10, 1137-1148	4

1615	Synthesis and capacitive property of γ -MnO ₂ with large surface area. 2012 , 47, 999-1003	23
1614	Effects of the spacer length of gemini surfactants on the ordered pore of silica. 2012 , 19, 243-249	1
1613	Oxidative desulfurization of diesel fuel by mesoporous phosphotungstic acid/SiO ₂ : the effect of preparation methods on catalytic performance. 2013 , 20, 1379-1385	16
1612	Preparation and characterization of polyhedral oligomeric silsesquioxane/titania aerogels. 2013 , 20, 1017-1022	10
1611	Effect of bimodal porous silica on particle size and reducibility of cobalt oxide. 2013 , 20, 481-488	7
1610	Room temperature bistability with wide thermal hysteresis in a spin crossover silica nanocomposite. 2013 , 1, 1933	73
1609	Gels dried under supercritical and ambient conditions: a comparative study and their subsequent conversion to silica/carbon composite aerogels. 2013 , 67, 592-600	6
1608	Synthesis of amine-modified mesoporous materials for CO ₂ capture by a one-pot template-free method. 2013 , 66, 353-362	14
1607	Mesoporous titania photocatalyst: effect of relative humidity and aging on the preparation of mesoporous titania and on its photocatalytic activity performance. 2013 , 39, 1003-1014	5
1606	Mesoporous hybrid material composed of Mn ₃ O ₄ nanoparticles on nitrogen-doped graphene for highly efficient oxygen reduction reaction. 2013 , 49, 7705-7	226
1605	Simple strategy for producing superhydrophobic nanocomposite coatings in situ on a building substrate. 2013 , 5, 7517-26	103
1604	Catalytic Transesterifications by a ZnBisSalen MOF Containing Open Pyridyl Groups Inside 1D Channels. 2013 , 2013, 4228-4233	27
1603	Support effects on the structure and catalytic activity of mesoporous Ag/CeO ₂ catalysts for CO oxidation. 2013 , 229, 522-532	102
1602	A new family of fluidic precursors for the self-templated synthesis of hierarchical nanoporous carbons. 2013 , 49, 7289-91	28
1601	Gold, palladium and gold/palladium supported on silica catalysts prepared by sol-gel method: synthesis, characterization and catalytic behavior in the ethanol steam reforming. 2013 , 67, 273-281	12
1600	Novel flexible aerogels derived from methyltrimethoxysilane/3-(2,3-epoxypropoxy)propyltrimethoxysilane co-precursor. 2013 , 181, 111-115	14
1599	Modulating the textural properties and photocatalytic hydrogen production activity of TiO ₂ by high temperature supercritical drying. 2013 , 38, 10215-10225	27
1598	Dry-gel synthesis of shaped binderless zeolites composed of nanosized ZSM-5. 2013 , 20, 1-7	20

1597	The eradication of breast cancer cells and stem cells by 8-hydroxyquinoline-loaded hyaluronan modified mesoporous silica nanoparticle-supported lipid bilayers containing docetaxel. 2013 , 34, 7662-73	82
1596	Removal of uranium(VI) from aqueous solutions by CMK-3 and its polymer composite. 2013 , 285, 258-266	55
1595	Layer-by-layer loading iron onto mesoporous silica surfaces: Synthesis, characterization and application for As(V) removal. 2013 , 171, 139-146	24
1594	Synthesis, characterization, and catalytic application of mesoporous SAPO-34 (MESO-SAPO-34) molecular sieves. 2013 , 181, 166-174	46
1593	Thermal detemplation of SBA-15 mesophases. Effect of the activation protocol on the framework contraction. 2013 , 176, 103-111	11
1592	Silicate anion-stabilized layered magnesium-aluminium hydrotalcite. 2013 , 3, 16392	23
1591	Microwave-assisted synthesis of porous carbon-titania and highly crystalline titania nanostructures. 2013 , 5, 1948-54	17
1590	Efficiency improvement of flexible dye-sensitized solar cells by introducing mesoporous TiO ₂ microsphere. 2013 , 56, 1470-1477	6
1589	Self-assembled hybrid tinphosphonate nanoparticles with bimodal porosity: an insight towards the efficient and selective catalytic process for the synthesis of bioactive 1,4-dihydropyridines under solvent-free conditions. 2013 , 1, 11210	32
1588	Pore-size-dependent sensing property of hierarchical SnO ₂ mesoporous microfibers as formaldehyde sensors. 2013 , 186, 640-647	50
1587	On the nature of Cr species on MCM-41 obtained by a one step method and their enhanced photocatalytic performance under visible radiation: New insights by a combined techniques approach. 2013 , 467, 363-370	7
1586	Coconut shell-based microporous carbons for CO ₂ capture. 2013 , 180, 280-283	115
1585	Preparation of mesoporous TiO ₂ /CNT nanocomposites by synthesis of mesoporous titania via EISA and their photocatalytic degradation under visible light irradiation. 2013 , 26, 45-52	30
1584	Investigation of CO and formaldehyde oxidation over mesoporous Ag/Co ₃ O ₄ catalysts. 2013 , 22, 845-852	26
1583	Pt supported self-assembled nest-like-porous WO ₃ hierarchical microspheres as electrocatalyst for methanol oxidation. 2013 , 88, 107-111	33
1582	Hydrothermal synthesis and humidity sensing properties of size-controlled Zirconium Oxide (ZrO ₂) nanorods. 2013 , 396, 9-15	50
1581	Three-dimensional ordered macroporous MnO ₂ /carbon nanocomposites as high-performance electrodes for asymmetric supercapacitors. 2013 , 15, 19730-40	92
1580	One-step synthesis of Mn ₃ O ₄ /reduced graphene oxide nanocomposites for oxygen reduction in nonaqueous Li-O ₂ batteries. 2013 , 49, 10838-40	100

1579	Low-temperature fabrication of mesoporous solid strong bases by using multifunction of a carbon interlayer. 2013 , 5, 9823-9		52
1578	Condensation-Enhanced Self-Assembly as a Route to High Surface Area γ -Aluminas. <i>Chemistry of Materials</i> , 2013 , 25, 3971-3978	9.6	19
1577	Removal of basic yellow cationic dye by an aqueous dispersion of Moroccan stevensite. 2013 , 80-81, 46-51		17
1576	Synthesis and characterization of aluminium-free ZSM-5 type chromosilicates in different alkaline systems and investigation of their pore structures. 2013 , 182, 50-61		17
1575	Seawater uranium sorbents: preparation from a mesoporous copolymer initiator by atom-transfer radical polymerization. 2013 , 52, 13458-62		183
1574	Kinetics, isotherm and thermodynamics for uranium and thorium ions adsorption from aqueous solutions by crystalline tin oxide nanoparticles. 2013 , 321, 67-71		113
1573	Synthesis, characterization and application of nanozeolite NaX from Vietnamese kaolin. 2013 , 4, 045018		10
1572	Direct synthesis of hierarchical zeolites with oriented nanocrystals without adding extra templates. 2013 , 3, 6295		16
1571	Synthesis-Dependent Oxidation State of Platinum on TiO ₂ and Their Influences on the Solar Simulated Photocatalytic Hydrogen Production from Water. 2013 , 117, 16850-16862		38
1570	Air stable ligandless heterogeneous catalyst systems based on Pd and Au supported in SiO ₂ and MCM-41 for SuzukiMiyaura cross-coupling in aqueous medium. 2013 , 462-463, 39-45		32
1569	CO ₂ adsorption behavior of microwave synthesized zeolite beta. 2013 , 108, 106-109		24
1568	Hydrothermal synthesis of zinc oxide nanoparticles using rice as soft biotemplate. 2013 , 7, 136		79
1567	Toward tunable adsorption properties, structure, and crystallinity of titania obtained by block copolymer and scaffold-assisted templating. 2013 , 29, 12549-59		19
1566	An investigation into the effect of porosities on the adsorption of rhodamine B using titania-silica mixed oxide xerogels. 2013 , 128, 530-9		21
1565	Bimetallic ruthenium-copper nanoparticles embedded in mesoporous carbon as an effective hydrogenation catalyst. 2013 , 5, 11044-50		25
1564	Preparation and characterization of Pt-promoted NiY and CoY catalysts employed for 4-nitrophenol reduction. 2013 , 468, 175-183		39
1563	CO ₂ capture with a novel solid fluidizable sorbent: Thermodynamics and Temperature Programmed Carbonation/Decarbonation. 2013 , 232, 139-148		43
1562	Low-temperature synthesis of porous hollow structured Cu ₂ O for photocatalytic activity and gas sensor application. 2013 , 3, 18651		42

1561	Effectively dispersed europium oxide dopants in TiO ₂ aerogel supports for enhanced photocatalytic pollutant degradation. 2013 , 269, 49-58	32
1560	Influence of gamma ray irradiation on metakaolin based sodium geopolymer. 2013 , 443, 311-315	18
1559	Study on the Preparation and Catalytic Property of Sulfonated Ordered Mesoporous Carbon. 2013 , 683, 484-487	2
1558	Two-step electrodeposition construction of flower-on-sheet hierarchical cobalt hydroxide nano-forest for high-capacitance supercapacitors. 2013 , 42, 15706-15	26
1557	A 2D coordination polymer based on Co ³⁺ -SBU showing spin-canting ferromagnetic behaviour. 2013 , 3, 25237	25
1556	Synthesis of monodispersed FeOOH nanorods with a high content of surface hydroxyl groups and enhanced ion-exchange properties towards As(V). 2013 , 3, 15805	22
1555	Electrospinning preparation and adsorption properties of mesoporous alumina fibers. 2013 , 1, 10720	57
1554	Design of proton-conducting Sn _{0.95} Al _{0.05} P ₂ O ₇ with a mesoporous structure. 2013 , 1, 13082	10
1553	Template-free synthesis of mesoporous anatase yttrium-doped TiO ₂ nanosheet-array films from waste tricolor fluorescent powder with high photocatalytic activity. 2013 , 3, 9670	21
1552	Controlled synthesis and Li-electroactivity of rutile TiO ₂ nanostructure with walnut-like morphology. 2013 , 42, 4278-84	7
1551	The synthesis of porous materials with macroscopically oriented mesopores interconnected by branched mesopores. 2013 , 1, 4693	2
1550	Mesoporous anatase TiO ₂ submicrospheres embedded in self-assembled three-dimensional reduced graphene oxide networks for enhanced lithium storage. 2013 , 1, 12750	64
1549	Porous-layered stack of functionalized AuNP@rGO (gold nanoparticles@reduced graphene oxide) nanosheets as a sensing material for the micro-gravimetric detection of chemical vapor. 2013 , 1, 4444	77
1548	Neutron imaging of ion transport in mesoporous carbon materials. 2013 , 15, 11740-7	14
1547	Self-assembled titanium phosphonate nanomaterial having a mesoscopic void space and its optoelectronic application. 2013 , 42, 5140-9	33
1546	Facile one-pot synthesis of lepidocrocite (FeOOH) nanoflakes for water treatment. 2013 , 37, 2551	34
1545	Fluorination of brick and mortar soft-templated graphitic ordered mesoporous carbons for high power lithium-ion battery. 2013 , 1, 9414	18
1544	Palladium supported on magnetic nanoparticles as recoverable catalyst for one-pot reductive amination of aldehydes with nitroarenes under ambient conditions. 2013 , 30, 40-44	67

1543	Naphthalene derivatized TiO ₂ /carbon hybrid materials for efficient photocatalytic splitting of water. 2013 , 199, 8-14	27
1542	Synthesis and characterization of ligand stabilized CdS-Trititanate composite materials for visible light-induced photocatalytic water splitting. 2013 , 38, 2656-2669	22
1541	Synthesis and gas sensing properties of hierarchical SnO ₂ nanostructures. 2013 , 187, 301-307	87
1540	Phenolic resin-based carbons with ultra-large mesopores prepared in the presence of poly(ethylene oxide)/poly(butylene oxide)/poly(ethylene oxide) triblock copolymer and trimethyl benzene. 2013 , 51, 45-51	35
1539	Design of highly efficient Mo and W-promoted SnO ₂ solid acids for heterogeneous catalysis: acetalization of bio-glycerol. 2013 , 15, 478-489	156
1538	Influence of TiO ₂ /Si hetero-linkages in the photocatalytic degradation of Rhodamine B. 2013 , 31, 66-70	45
1537	Ionic-liquid-assisted synthesis of uniform fluorinated B/C-codoped TiO ₂ nanocrystals and their enhanced visible-light photocatalytic activity. 2013 , 19, 2433-41	134
1536	2D and 3D characterization of a surfactant-synthesized TiO ₂ -SiO ₂ mesoporous photocatalyst obtained at ambient temperature. 2013 , 15, 2800-8	25
1535	Mesoporous carbons supported non-noble metal Fe ^{III} X electrocatalysts for PEM fuel cell oxygen reduction reaction. 2013 , 43, 159-169	71
1534	Tuning morphology of mesoporous titanium oxides through fluorinated surfactants-based systems. 2013 , 20, 95-105	3
1533	Synthesis of porous amorphous FePO ₄ nanotubes and their lithium storage properties. 2013 , 19, 1568-72	30
1532	A topotactic synthetic methodology to mesoporous compound HLaNb ₂ O ₇ . 2013 , 108, 264-266	1
1531	Nanocasting synthesis of graphitized ordered mesoporous carbon using Fe-coated SBA-15 template. 2013 , 138, 484-489	12
1530	One-step assembly of N-doped partially graphitic mesoporous carbon for nitrobenzene reduction. 2013 , 108, 285-288	16
1529	Synthesis of ordered mesoporous CoFe ₂ O ₄ -containing silica by self-assembly process. 2013 , 331, 198-203	6
1528	Three-dimensional micro/mesoporous carbon composites with carbon nanotube networks for capacitive deionization. 2013 , 282, 965-973	81
1527	Enhanced capacitive behavior of carbon aerogels/reduced graphene oxide composite film for supercapacitors. 2013 , 247-248, 66-70	8
1526	Europium (III) complex functionalized Si-MCM-41 hybrid materials with visible-light-excited luminescence. 2013 , 408, 96-102	13

1525	Preparation of TiO ₂ hollow microspheres by a novel vesicle template method and their enhanced photocatalytic properties. 2013 , 39, 9465-9470	29
1524	Degradation of chlorophenols using a novel Fe ⁰ /CeO ₂ composite. 2013 , 142-143, 396-405	77
1523	Synthesis of TiO ₂ hollow sphere multimer photocatalyst by etching titanium plate and its application to the photocatalytic decomposition of gaseous styrene. 2013 , 228, 834-842	33
1522	Sonochemical functionalization of mesoporous carbon for uranium extraction from seawater. 2013 , 1, 3016	118
1521	Assembling photoluminescent tri(8-quinolinolato)aluminum into periodic mesoporous organosilicas. 2013 , 411, 138-44	6
1520	Development of microporous carbons for CO ₂ capture by KOH activation of African palm shells. 2013 , 2, 35-38	92
1519	Synthesis of mixed phase anatase-TiO ₂ (B) by a simple wet chemical method. 2013 , 95, 175-177	13
1518	Construction of a novel painting system using electrodeposited SiO ₂ film as the pretreatment layer. 2013 , 68, 57-65	28
1517	Hydrothermal preparation and the capacitance of hierarchical MnO ₂ nanoflower. 2013 , 434, 42-48	24
1516	Investigation of the role of platinum oxide for the degradation of phenol under simulated solar irradiation. 2013 , 136-137, 248-259	16
1515	Facile template free method for textural property modulation that enhances adsorption and photocatalytic activity of aperiodic titania supported silica materials. 2013 , 142-143, 119-128	10
1514	Colloidal templating synthesis and adsorption characteristics of microporous/mesoporous carbons from Kraft lignin. 2013 , 62, 233-239	39
1513	Mesoporous Co ₃ O ₄ as an electrocatalyst for water oxidation. 2013 , 6, 47-54	242
1512	An In Situ Simultaneous Reduction-Hydrolysis Technique for Fabrication of TiO ₂ -Graphene 2D Sandwich-Like Hybrid Nanosheets: Graphene-Promoted Selectivity of Photocatalytic-Driven Hydrogenation and Coupling of CO ₂ into Methane and Ethane. 2013 , 23, 1743-1749	318
1511	Lanthanide mesoporous SBA-15 hybrids through functionalized 6-hydroxybenz[de]anthracen-7-one linkage: UV-visible light sensitisation and visible-NIR luminescence. 2013 , 393, 36-43	11
1510	Rapid hydrothermal synthesis of hierarchical nanostructures assembled from ultrathin birnessite-type MnO ₂ nanosheets for supercapacitor applications. 2013 , 89, 523-529	256
1509	In vivo oral toxicological evaluation of mesoporous silica particles. 2013 , 8, 57-64	20
1508	A zinc oxide-coated nanoporous carbon adsorbent for lead removal from water: Optimization, equilibrium modeling, and kinetics studies. 2013 , 10, 325-340	29

1507	Synthesis and characterization of thermally stable large-pore mesoporous nanocrystalline anatase. 2013 , 200, 90-98	12
1506	Mesoporous phosphonate-TiO ₂ nanoparticles for simultaneous bioresponsive sensing and controlled drug release. 2013 , 138, 1084-90	28
1505	A facile route to synthesize multiporous MnCo ₂ O ₄ and CoMn ₂ O ₄ spinel quasi-hollow spheres with improved lithium storage properties. 2013 , 5, 2045-54	396
1504	Physicochemical properties and photocatalytic activity of the TiO ₂ /SiO ₂ prepared by precipitation method. 2013 , 107, 264-272	55
1503	Cellulose-to-HMF conversion using crystalline mesoporous titania and zirconia nanocatalysts in ionic liquid systems. 2013 , 3, 2028-2034	109
1502	Mesoporous carbon-confined Au catalysts with superior activity for selective oxidation of glucose to gluconic acid. 2013 , 15, 1035	65
1501	Iron-Functionalized Silica Nanoparticles as a Highly Efficient Adsorbent and Catalyst for Toluene Oxidation in the Gas Phase. 2013 , 5, 986-993	21
1500	Structural Characterization Methods. 2013 , 117-151	2
1499	Mesoporous alumina materials synthesized in different gel templates. 2013 , 98, 116-119	14
1498	Photocatalytic activity of TiO ₂ /BiO ₂ nanocomposites applied to buildings: Influence of particle size and loading. 2013 , 134-135, 205-221	123
1497	Low temperature CO oxidation on Ni-promoted CuO-CeO ₂ catalysts. 2013 , 34, 322-329	27
1496	Uniform hamburger-like mesoporous carbon-incorporated ZnO nanoarchitectures: One-pot solvothermal synthesis, high adsorption and visible-light photocatalytic decolorization of dyes. 2013 , 138-139, 1-8	89
1495	Probing Functional Group Specific Surface Interactions in Porous Solids Using ESR Spectroscopy as a Sensitive and Quantitative Tool. 2013 , 117, 2805-2816	16
1494	Effect of carbon and nitrogen co-doping on characteristics and sonocatalytic activity of TiO ₂ nanotubes catalyst for degradation of Rhodamine B in water. 2013 , 214, 129-138	75
1493	In situ synthesis of lithium sulfide/carbon composites as cathode materials for rechargeable lithium batteries. 2013 , 1, 1433-1440	120
1492	Fabrication and supercapacitive behavior of tetramethylammonium ion-intercalated MnO ₂ prepared by an exfoliation and self-assembly process. 2013 , 569, 136-143	15
1491	Recent Advances in Detection of Ochratoxin-A. 2013 , 02, 1-11	28
1490	Stabilization of Self-Assembled Alumina Mesophases. <i>Chemistry of Materials</i> , 2013 , 25, 848-855	9.6 39

1489	Facile synthesis of mesoporous aluminosilicates constructed with crystalline microporous frameworks. 2013 , 279, 55-61	7
1488	Nitrogen-enriched ordered mesoporous carbons through direct pyrolysis in ammonia with enhanced capacitive performance. 2013 , 1, 7920	110
1487	Zn _{1-x} Cd _x S Solid Solutions with Controlled Bandgap and Enhanced Visible-Light Photocatalytic H ₂ -Production Activity. 2013 , 3, 882-889	466
1486	PEG aggregation templated porous ZnO nanostructure: room temperature solution synthesis, pore formation mechanism, and their photoluminescence properties. 2013 , 15, 3647	22
1485	Facile and effective synthesis of hierarchical TiO ₂ spheres for efficient dye-sensitized solar cells. 2013 , 5, 6577-83	44
1484	Microwave-hydrothermal synthesis and humidity sensing behavior of ZrO ₂ nanorods. 2013 , 3, 11707	43
1483	Well-dispersed palladium supported on ordered mesoporous Co ₃ O ₄ for catalytic oxidation of o-xylene. 2013 , 142-143, 72-79	77
1482	Facile template-free synthesis of porous g-C ₃ N ₄ with high photocatalytic performance under visible light. 2013 , 3, 9465	54
1481	Mesoporous TiO ₂ spheres with a nitridated conducting layer for lithium-ion batteries. 2013 , 48, 5125-5131	17
1480	High strength cellulose aerogels prepared by spatially confined synthesis of silica in bioscaffolds. 2013 , 439, 159-166	32
1479	Hierarchical porous CdS nanosheet-assembled flowers with enhanced visible-light photocatalytic H ₂ -production performance. 2013 , 138-139, 299-303	225
1478	Monoclinic WO ₃ nanorods-rutile TiO ₂ nanoparticles core-shell interface for efficient DSSCs. 2013 , 42, 10085-8	22
1477	Ultrasound assisted synthesis of CaAl hydroxalate for U (VI) and Cr (VI) adsorption. 2013 , 218, 295-302	57
1476	Carbon-assisted synthesis of mesoporous SnO ₂ nanomaterial as highly sensitive ethanol gas sensor. 2013 , 183, 526-534	36
1475	Preparation of shaped magnesium oxide/carbon catalysts using rice grains as an exotemplate and carbon precursor. 2013 , 460-461, 26-35	17
1474	Composition-dependent morphostructural properties of Ni-Cu oxide nanoparticles confined within the channels of ordered mesoporous SBA-15 silica. 2013 , 5, 3010-25	118
1473	Evolution of mesostructures in titania upon template loading and calcination. 2013 , 380, 28-33	2
1472	Facile synthesis of mesoporous Ce-Fe bimetal oxide and its enhanced adsorption of arsenate from aqueous solutions. 2013 , 398, 142-51	74

1471	Molecular Simulation of CO ₂ Adsorption in the Presence of Water in Single-Walled Carbon Nanotubes. 2013 , 117, 13479-13491	59
1470	Graphitic Mesoporous Carbons with Embedded Prussian Blue-Derived Iron Oxide Nanoparticles Synthesized by Soft Templating and Low-Temperature Graphitization. <i>Chemistry of Materials</i> , 2013 , 25, 2803-2811	9.6 59
1469	Three-Dimensional Network Mesoporous Nanostructured γ -Manganese Dioxide with High Supercapacitive Performance: Facile, Environmental and Large-Scale Synthesis. 2013 , 2013, 3719-3725	11
1468	Stabilization of quercetin flavonoid in MCM-41 mesoporous silica: positive effect of surface functionalization. 2013 , 393, 109-18	71
1467	Adsorption of Cu(2+) and methyl orange from aqueous solutions by activated carbons of corncob-derived char wastes. 2013 , 20, 8521-34	38
1466	Template-free synthesis of hierarchical porous metal-organic frameworks. 2013 , 135, 9572-5	169
1465	Vacuum-dried robust bridged silsesquioxane aerogels. 2013 , 25, 4494-7	110
1464	Sub-150 nm mesoporous silica nanoparticles with tunable pore sizes and well-ordered mesostructure for protein encapsulation. 2013 , 407, 236-42	51
1463	An economic method for synthesis of highly ordered porous silica. 2013 , 407, 128-32	16
1462	Cysteine-assisted tailoring of adsorption properties and particle size of polymer and carbon spheres. 2013 , 29, 4032-8	43
1461	Nanocontainer-Based Anticorrosive Coatings: Effect of the Container Size on the Self-Healing Performance. 2013 , 23, 3799-3812	134
1460	Mesoporous single-crystal CoSn(OH) ₆ hollow structures with multilevel interiors. 2013 , 3, 1391	115
1459	Organic-inorganic hybrid supermicroporous iron(III) phosphonate nanoparticles as an efficient catalyst for the synthesis of biofuels. 2013 , 19, 8507-14	38
1458	Biomimetic synthesis of TiO ₂ @SiO ₂ @Ag nanocomposites with enhanced visible-light photocatalytic activity. 2013 , 5, 3824-32	163
1457	Bifunctional mesoporous zirconium phosphonates for delivery of nucleic acids. 2013 , 52, 1388-97	22
1456	Zeolite monoliths with hierarchical designed pore network structure: Synthesis and performance. 2013 , 223, 48-58	25
1455	One-pot synthesis of foam-like magnesia and its performance in CO ₂ adsorption. 2013 , 169, 112-119	51
1454	Phosphorylated mesoporous carbon as effective catalyst for the selective fructose dehydration to HMF. 2013 , 22, 305-311	34

1453	A modified mesoporous silica optical nanosensor for selective monitoring of multiple analytes in water. 2013 , 49, 8758-60	28
1452	One-pot synthesis of ordered mesoporous zirconium oxophosphate with high thermostability and acidic properties. 2013 , 3, 1942	34
1451	Boron carbide as a target for the SPES project. 2013 , 432, 212-221	14
1450	Structural and thermal stability of mesoporous alumina synthesized by Al-based coordination polymer. 2013 , 165, 27-31	10
1449	Lignin-phenol-formaldehyde aerogels and cryogels. 2013 , 168, 19-29	84
1448	MgO modified nanoporous carbon composites for methanol separation. 2013 , 3, 10396	7
1447	Synthesis of alumina nanosheets via supercritical fluid technology with high uranyl adsorptive capacity. 2013 , 37, 366-372	52
1446	Enhancement of CO ₂ adsorption on phenolic resin-based mesoporous carbons by KOH activation. 2013 , 65, 334-340	109
1445	On determining the entrance size of cage-like pores in mesoporous silica films by positron annihilation lifetime spectroscopy. 2013 , 590, 97-100	10
1444	Large-Scale Synthesis of Silver Manganese Oxide Nanofibers and Their Oxygen Reduction Properties. 2013 , 117, 25352-25359	34
1443	Synthesis of hierarchical fiberlike ordered mesoporous carbons with excellent electrochemical capacitance performance by a strongly acidic aqueous cooperative assembly route. 2013 , 1, 15447	29
1442	Methane reforming with CO ₂ using nickel catalysts supported on yttria-doped SBA-15 mesoporous materials via sol-gel process. 2013 , 38, 14250-14260	70
1441	Standard nitrogen adsorption data for alumina and their use for characterization of mesoporous alumina-based materials. 2013 , 19, 475-481	11
1440	Influence of Synthetic Methods on the Acid Catalytic Activity of NZP Family Compounds Modified by Doping Aluminum. 2013 , 634-638, 536-540	
1439	Design and Synthesis of Metal Oxides Doped Three-Dimensional Order Macroporous Materials Based on SiO ₂ Matrixes and their Photocatalytic Property. 2013 , 807-809, 553-556	
1438	Grafting of Amines on Ethanol-Extracted SBA-15 for CO Adsorption. 2013 , 6, 981-999	51
1437	CHAPTER 2: Activated Carbon from Biomass for Water Treatment. 2013 , 46-105	4
1436	Comparison of the Preparation Methods of Mesoporous Phosphate Compounds Belonging to NZP Family. 2013 , 631-632, 116-120	

1435	The Hydrothermal Synthesis of Nanoporous Titanium Dioxide and its Application in Dye-Sensitized Solar Cell. 2013 , 641-642, 543-546	
1434	Seawater Uranium Sorbents: Preparation from a Mesoporous Copolymer Initiator by Atom-Transfer Radical Polymerization. 2013 , 125, 13700-13704	19
1433	NANOSEEDING EFFECT IN ZSM-5 CRYSTALLIZATION PROCESS. 2013 , 08, 1350027	
1432	Unique Mesoporous Silicoaluminophosphate Assembled from Faujasite-type SAPO-37 Precursor: A Potential Catalyst for Isomerization. 2013 , 42, 1160-1162	19
1431	Estimating Pore-Size Distributions of Moderately Hydrophobic Mesoporous Solids. 2013 , 31, 153-164	2
1430	Ordered Porous Nanomaterials: The Merit of Small. 2013 , 2013, 1-29	8
1429	Catalytic properties of ZnO-modified copper ferrite catalysts in water-gas shift reaction. 2014 , 42, 1351-1356	2
1428	Lanthanide (Eu ³⁺ , Tb ³⁺) functionalized SBA-15 through modified hexafluoroacetylacetone linkage: Covalently bonding construction, physical characterization, and luminescent properties. 2014 , 29, 675-683	3
1427	Synthesis and Characterisation of γ -Al ₂ O ₃ with Porous Structure and Nanorod Morphology. 2014 , 38, 154-158	11
1426	1D Pd-Based Nanomaterials as Efficient Electrocatalysts for Fuel Cells. 2014 , 321-357	1
1425	Removal of Hazardous Pollutants from Wastewaters: Applications of TiO ₂ -SiO ₂ Mixed Oxide Materials. 2014 , 2014, 1-42	141
1424	Engineered Nanomaterials: Knowledge Gaps in Fate, Exposure, Toxicity, and Future Directions. 2014 , 2014, 1-16	28
1423	Large pore mesoporous silica induced weight loss in obese mice. 2014 , 9, 1353-62	19
1422	Synthesis of silica vesicles with controlled entrance size for high loading, sustained release, and cellular delivery of therapeutical proteins. 2014 , 10, 5068-76	36
1421	Structural and Photocatalytic Activity of Mesoporous N-Doped TiO ₂ with Band-to-Band Visible Light Absorption Ability. 2014 , 32, 506-511	4
1420	Silica-based Ceramics: Mesoporous Silica. 2014 , 109-151	3
1419	Facile synthesis of ordered mesoporous Cu-ZrPO with high copper contents as catalyst for liquid phase oxidation of ethylbenzene. 2014 , 198, 271-280	9
1418	Hydrogen storage in a series of Zn-based IRMOFs studied by Sanchez-Lacombe equation of state. 2014 , 39, 21076-21082	3

1417	Modifying the Hierarchical Porosity of SBA-15 via Mild-Detemplation Followed by Secondary Treatments. 2014 , 118, 28689-28698	11
1416	Enhanced Lithium-Storage Performance from Three-Dimensional MoS ₂ Nanosheets/Carbon Nanotube Paper. 2014 , 1, 1118-1125	40
1415	Highly nitrogen-doped mesoscopic carbons as efficient metal-free electrocatalysts for oxygen reduction reactions. 2014 , 2, 20030-20037	34
1414	Selecting the nature of imprinted molecular organosilica sieves with gallic acid via thermal analyses. 2014 , 118, 1039-1048	9
1413	Formation of mesoporous heterostructured BiVO ₄ /Bi ₂ SO ₇ hollow discoids with enhanced photoactivity. 2014 , 53, 5917-21	250
1412	Preparation of porous SnO ₂ thin film with high gasoline sensing performance. 2014 , 29, 167-171	9
1411	Adsorption by Ordered Mesoporous Materials. 2014 , 529-564	6
1410	Oxidation of acetylene black by nitric acid in hermetically sealed condition. 2014 , 193, 54-60	13
1409	Intercalation chemistry of layered zeolite precursor IPC-1P. 2014 , 227, 37-44	27
1408	Hierarchical Fe ₃ O ₄ @Co ₃ O ₄ core-shell microspheres: Preparation and acetone sensing properties. 2014 , 199, 346-353	84
1407	Characterization and catalytic performance of copper-based WGS catalysts derived from copper ferrite. 2014 , 39, 6424-6432	48
1406	Highly dispersed photoactive zinc oxide nanoparticles on mesoporous phosphonated titania hybrid. 2014 , 156-157, 44-52	34
1405	Morphological and structural evolution of mesoporous calcium aluminate nanocomposites by microwave-assisted synthesis. 2014 , 183, 134-142	24
1404	Superior cycle stability of graphene nanosheets prepared by freeze-drying process as anodes for lithium-ion batteries. 2014 , 254, 198-203	37
1403	Process integration for hydrogen production, purification and storage using iron oxides. 2014 , 39, 5257-5266	5
1402	Preparation of highly active and stable polyaniline-cobalt-carbon nanotube electrocatalyst for oxygen reduction reaction in polymer electrolyte membrane fuel cell. 2014 , 119, 144-154	38
1401	Controllable preparation of multishelled NiO hollow nanospheres via layer-by-layer self-assembly for supercapacitor application. 2014 , 246, 24-31	205
1400	Micro/nano-structured SnS ₂ negative electrodes using chitosan derivatives as water-soluble binders for Li-ion batteries. 2014 , 44, 45-51	25

1399	Characterization of activated carbon obtained from Saudi Arabian fly ash. 2014 , 11, 159-168	13
1398	Mesoporous interstitial and substitutional nitrogen-containing titanium dioxide photocatalysts prepared by acid-assisted sol-gel procedure. 2014 , 11, 1363-1371	2
1397	Highly connected hierarchical textured TiO ₂ spheres as photoanodes for dye-sensitized solar cells. 2014 , 2, 8902-8909	52
1396	One-step hydrothermal synthesis of carbon@Fe ₃ O ₄ nanoparticles with high adsorption capacity. 2014 , 25, 1381-1387	9
1395	Ti incorporation in MCM-41 mesoporous molecular sieves using hydrothermal synthesis. 2014 , 8, 95-103	5
1394	Application of soluble salt-assisted route to synthesis of ZnGa ₂ O ₃ nanopowders. 2014 , 114, 351-356	7
1393	One-pot synthesis of Ag/r-GO/TiO ₂ nanocomposites with high solar absorption and enhanced anti-recombination in photocatalytic applications. 2014 , 6, 5498-508	90
1392	Preparation and characterization of activated carbon fiber (ACF) from cotton woven waste. 2014 , 299, 86-91	92
1391	TiO ₂ hollow microspheres with mesoporous surface: Superior adsorption performance for dye removal. 2014 , 305, 352-358	63
1390	Characterization of pore network structure in catalyst layers of polymer electrolyte fuel cells. 2014 , 247, 322-326	29
1389	Synthesis of ZnFe ₂ O ₄ nanoplates by succinic acid-assisted hydrothermal route and their photocatalytic degradation of rhodamine B under visible light. 2014 , 2, 123-130	83
1388	Fast and efficient reduction of nitro aromatic compounds over Fe ₃ O ₄ /L-alanine-acrylamide-Ni nanocomposite as a new magnetic catalyst. 2014 , 45, 1-6	24
1387	Synthesis of mesoporous Al ₂ O ₃ with large surface area and large pore diameter by improved precipitation method. 2014 , 193, 47-53	33
1386	Porous ZnMn ₂ O ₄ microspheres as a promising anode material for advanced lithium-ion batteries. 2014 , 6, 193-199	134
1385	Eco-friendly synthesis of bio-additive fuels from renewable glycerol using nanocrystalline SnO ₂ -based solid acids. 2014 , 4, 803	54
1384	A facile solution approach for the synthesis of akaganite (FeOOH) nanorods and their ion-exchange mechanism toward As(V) ions. 2014 , 290, 102-106	83
1383	Selective oxidation of alcohols with hydrogen peroxide catalyzed by tungstate ions (WO ₄ ²⁻) supported on periodic mesoporous organosilica with imidazolium frameworks (PMO-IL). 2014 , 70, 6114-6119	65
1382	Synthesis of porous, hollow metal MCO ₃ (M=Mn, Co, Ca) microstructures and adsorption properties thereof. 2014 , 20, 421-5	22

1381	Mesoporous MnCo ₂ O ₄ with abundant oxygen vacancy defects as high-performance oxygen reduction catalysts. 2014 , 2, 8676-8682		196
1380	Synthesis of rose-like ZnO hierarchical nanostructures in the presence of ionic liquid/Mg ²⁺ for air purification and their shape-dependent photodegradation of SO ₂ , NO _x , and CO. 2014 , 475, 325-334		20
1379	Bipyridine Periodic Mesoporous Organosilica: A Solid Ligand for the Iridium-Catalyzed Borylation of C-H Bonds. 2014 , 356, 673-679		40
1378	MOF-templated synthesis of porous Co ₃ O ₄ concave nanocubes with high specific surface area and their gas sensing properties. 2014 , 6, 4186-95		559
1377	Phosphonic acid functionalized ordered mesoporous material: a new and ecofriendly catalyst for one-pot multicomponent Biginelli reaction under solvent-free conditions. 2014 , 6, 933-41		48
1376	Mesoporous silica particles potentiate antigen-specific T-cell responses. 2014 , 9, 1835-46		24
1375	A facile method for preparing porous, optically active, magnetic Fe ₃ O ₄ @poly(N-acryloyl-leucine) inverse core/shell composite microspheres. 2014 , 35, 91-6		8
1374	Al-1,3,5-benzenetricarboxylic metal-organic frameworks: A promising adsorbent for defluoridation of water with pH insensitivity and low aluminum residual. 2014 , 252, 220-229		82
1373	Microporosity development in phenolic resin-based mesoporous carbons for enhancing CO ₂ adsorption at ambient conditions. 2014 , 289, 592-600		27
1372	Enhanced thermal conductivity of nanofluids containing graphene nanoplatelets prepared by ultrasound irradiation. 2014 , 49, 1506-1511		54
1371	Soft-chemical synthesis, characterization and humidity sensing behavior of WO ₃ /TiO ₂ nanopowders. 2014 , 190, 40-47		27
1370	Dry-gel synthesis of hierarchical TS-1 zeolite by using P123 and polyurethane foam as template. 2014 , 183, 177-184		29
1369	Synthesis of 5-hydroxymethylfurfural from carbohydrates using large-pore mesoporous tin phosphate. 2014 , 7, 925-33		103
1368	Competitive role of structural properties of titania-silica mixed oxides and a mechanistic study of the photocatalytic degradation of phenol. 2014 , 148-149, 394-405		35
1367	Densification of Ionic Liquid Molecules within a Hierarchical Nanoporous Carbon Structure Revealed by Small-Angle Scattering and Molecular Dynamics Simulation. <i>Chemistry of Materials</i> , 2014 , 26, 1144-1153	9.6	47
1366	Mechanistic study of zeolites recrystallization into micro-mesoporous materials. 2014 , 189, 163-172		56
1365	Development of mesoporosity in carbon spheres obtained by Stober method. 2014 , 185, 197-203		17
1364	3D hierarchical anatase TiO ₂ superstructures constructed by nanobricks-built nanosheets with exposed {001} facets: facile synthesis, formation mechanism and superior photocatalytic activity. 2014 , 16, 10547-10552		18

1363	Understanding capacity loss of activated carbons in the adsorption and regeneration process for denitrogenation and desulfurization of diesel fuels. 2014 , 133, 194-203	23
1362	Preparation and characterization of highly cross-linked polyimide aerogels based on polyimide containing trimethoxysilane side groups. 2014 , 30, 13375-83	44
1361	Fe ₃ O ₄ @SiO ₂ @TiO ₂ @Pt Hierarchical Core/Shell Microspheres: Controlled Synthesis, Enhanced Degradation System, and Rapid Magnetic Separation to Recycle. 2014 , 14, 5506-5511	64
1360	Hierarchically organized silica-titania monoliths prepared under purely aqueous conditions. 2014 , 20, 17409-19	8
1359	Modular thiol-ene chemistry approach towards mesoporous silica monoliths with organically modified pore walls. 2014 , 20, 17579-89	19
1358	A non-micellar synthesis of mesoporous carbon via spinodal decomposition. 2014 , 4, 23703-23706	4
1357	One-pot synthesis of mesoporous ZrPW solid acid catalyst for liquid phase benzylation of anisole. 2014 , 4, 838-850	17
1356	Surface morphology of electrospun PLA fibers: mechanisms of pore formation. 2014 , 4, 44082-44088	48
1355	A hydrothermally stable transition alumina by condensation-enhanced self-assembly and pyrolysis crystallization: application in the steam reforming of methane. 2014 , 16, 6775-6783	5
1354	Selective alcohol adsorption in a uniformly ordered array of lipophilic mesopores by a giant macrocycle. 2014 , 4, 6014	1
1353	Synthesis of amorphous porous zirconium phosphonate materials: tuneable from micropore to mesopore sizes. 2014 , 4, 32443-32450	19
1352	Simple pyrolysis of cobalt alginate fibres into Co ₃ O ₄ /C nano/microstructures for a high-performance lithium ion battery anode. 2014 , 2, 18761-18766	90
1351	The shape effect of mesoporous silica nanoparticles on intracellular reactive oxygen species in A375 cells. 2014 , 38, 4258	44
1350	A novel approach to prepare Si/C nanocomposites with yolk-shell structures for lithium ion batteries. 2014 , 4, 36218-36225	31
1349	Enhanced arsenate removal performance of nanostructured goethite with high content of surface hydroxyl groups. 2014 , 2, 2312-2320	11
1348	Low-cost Nanomaterials. 2014 ,	11
1347	One-pot synthesis of porous magnetic cellulose beads for the removal of metal ions. 2014 , 4, 31362	29
1346	TiO ₂ /BiO ₂ composite fibers with tunable interconnected porous hierarchy fabricated by single-spinneret electrospinning toward enhanced photocatalytic activity. 2014 , 2, 12442	37

1345	Necklace-like mesoporous MgO/TiO ₂ heterojunction structures with excellent capability for water treatment. 2014 , 43, 2348-51	23
1344	Carbon aerogels electrode with reduced graphene oxide additive for capacitive deionization with enhanced performance. 2014 , 1, 249	45
1343	Directed synthesis of nanoporous carbons from task-specific ionic liquid precursors for the adsorption of CO ₂ . 2014 , 7, 3284-9	16
1342	Effect of Pore Morphology on the Dielectric Properties of Porous Carbons for Microwave Absorption Applications. 2014 , 118, 26027-26032	87
1341	Synthesis and characterization of NaA zeolite powder/film deposited on alumina beads by dip-coating method. 2014 , 72, 637-643	3
1340	Adsorption of argon on mesoporous anodic alumina. 2014 , 20, 889-897	6
1339	Monodisperse TiO ₂ mesoporous spheres with core-shell structure: candidate photoanode materials for enhanced efficiency dye sensitized solar cells. 2014 , 4, 23396	17
1338	Mesoporous SAPO-5 (MESO-SAPO-5): a potential catalyst for hydroisomerisation of 1-octene. 2014 , 4, 8727	30
1337	Silicate anion intercalated cobalt-aluminium hydrotalcite (CoAl-HT-Si): a potential catalyst for alcohol oxidation. 2014 , 4, 11188	34
1336	Advanced visible-light-driven photocatalyst BiOBr/TiO ₂ /graphene composite with graphene as a nano-filler. 2014 , 2, 4667	113
1335	Cubic Pm3n supermicroporous silicas and aluminosilicates templated by short-chain alkyltrimethylammonium surfactants. 2014 , 2, 14908-14917	8
1334	A novel aptamer sensor based on layered tungsten disulfide nanosheets and Au nanoparticles amplification for 17 β -estradiol detection. 2014 , 6, 8011-8017	36
1333	Mesoporous hydroxyapatite: Preparation, drug adsorption, and release properties. 2014 , 148, 153-158	42
1332	Synthesis and characterization of Mn-based composite oxides with enhanced electrocatalytic activity for oxygen reduction. 2014 , 2, 13345-13351	16
1331	Synthesis of highly active and stable spinel-type oxygen evolution electrocatalysts by a rapid inorganic self-templating method. 2014 , 20, 12669-76	38
1330	Facile route fabrication of nickel based mesoporous carbons with high catalytic performance towards 4-nitrophenol reduction. 2014 , 16, 2273	90
1329	Saran-Derived Carbons for CO ₂ and Benzene Sorption at Ambient Conditions. 2014 , 53, 15383-15388	12
1328	Fabrication of macro-mesoporous titania/alumina core-shell materials in oil/water interface. 2014 , 436, 194-203	1

1327	One-step calcination-free synthesis of multicomponent spinel assembled microspheres for high-performance anodes of li-ion batteries: a case study of MnCo(2)O(4). 2014 , 6, 2439-49	188
1326	SBA-15 intercalated MgAl hydrotalcite: An environmental friendly catalyst for hydroisomerization of olefin. 2014 , 488, 119-127	26
1325	Air-stable molecular semiconducting iodosalts for solar cell applications: Cs ₂ SnI ₆ as a hole conductor. 2014 , 136, 15379-85	427
1324	Microwave-assisted and conventional hydrothermal synthesis of ordered mesoporous silicas with P-containing functionalities. 2014 , 459, 4-10	18
1323	Self-Assembled Hybrid Molybdenum Phosphonate Porous Nanomaterials and Their Catalytic Activity for the Synthesis of Benzimidazoles. 2014 , 6, 2577-2586	18
1322	Ambient-pressure drying synthesis of large resorcinol-formaldehyde-reinforced silica aerogels with enhanced mechanical strength and superhydrophobicity. 2014 , 2, 14542	60
1321	A strategy for in-situ synthesis of well-defined core-shell Au@TiO ₂ hollow spheres for enhanced photocatalytic hydrogen evolution. 2014 , 257, 112-121	44
1320	Superhydrophobic mesoporous silica nanospheres achieved via a high level of organo-functionalization. 2014 , 50, 10830-3	25
1319	Characteristics and properties of a novel in situ method of synthesizing mesoporous TiO ₂ nanopowders by a simple coprecipitation process without adding surfactant. 2014 , 613, 107-116	16
1318	Modified Niobium Oxyhydroxide Catalyst: An Acetalization Reaction to Produce Bio-additives for Sustainable Use of Waste Glycerol. 2014 , 6, 2961-2969	26
1317	Combined nitrogen, hexane, and benzene adsorption characterization of pores and surfaces of lyophobic mesoporous silicas. 2014 , 30, 9355-60	7
1316	Facile synthesis of ultrathin-shell graphene hollow spheres for high-performance lithium-ion batteries. 2014 , 139, 96-103	62
1315	Synthesis of magnetic core/shell carbon nanosphere supported manganese catalysts for oxidation of organics in water by peroxymonosulfate. 2014 , 433, 68-75	54
1314	3D network mesoporous beta -manganese dioxide: Template-free synthesis and supercapacitive performance. 2014 , 270, 411-417	29
1313	Influence of Surfactants on the Synthesis of MoS ₂ Catalysts and Their Activities in the Hydrodeoxygenation of 4-Methylphenol. 2014 , 53, 10301-10309	37
1312	Excellent fluoride removal properties of porous hollow MgO microspheres. 2014 , 38, 5445-5452	124
1311	One-step synthesis of novel mesoporous three-dimensional GeO ₂ and its lithium storage properties. 2014 , 2, 17545-17550	38
1310	Synthesis of ITQ-2 Zeolites and Catalytic Performance in n-Dodecane Cracking. 2014 , 22, 869-874	4

1309	Adsorption of chlorophenols from aqueous solution over amino-modified ordered nanoporous silica materials. 2014 , 4, 1	29
1308	Mesoporous Fe ₃ O ₄ /hydroxyapatite composite for targeted drug delivery. 2014 , 59, 65-68	34
1307	Bowl-like SnO ₂ @carbon hollow particles as an advanced anode material for lithium-ion batteries. 2014 , 53, 12803-7	426
1306	Ag@Fe ₃ O ₄ nanocomposites@chitin microspheres constructed by in situ one-pot synthesis for rapid hydrogenation catalysis. 2014 , 16, 2835-2845	103
1305	Beta-manganese dioxide nanoflowers self-assembled by ultrathin nanoplates with enhanced supercapacitive performance. 2014 , 2, 9353	34
1304	A novel activating strategy to achieve highly porous carbon monoliths for CO ₂ capture. 2014 , 2, 4819-4826	101
1303	Prussian blue modified Fe ₃ O ₄ nanoparticles for Cs detoxification. 2014 , 49, 7014-7022	12
1302	Interaction of nitrogen and hydrocarbon vapors with mesoporous silicas modified with perfluorohexylsilane. 2014 , 50, 304-311	3
1301	Producing photoactive, transparent and hydrophobic SiO ₂ -crystalline TiO ₂ nanocomposites at ambient conditions with application as self-cleaning coatings. 2014 , 156-157, 416-427	89
1300	Drug loading and characterization of porous silicon materials. 2014 , 337-355	14
1299	Fluoride removal by ordered and disordered mesoporous aluminas. 2014 , 197, 156-163	53
1298	Mesoporous TiO ₂ thin films exhibiting enhanced thermal stability and controllable pore size: preparation and photocatalyzed destruction of cationic dyes. 2014 , 6, 1623-31	28
1297	Hollow S-doped carbon spheres from spherical CT/PEDOT composite particles and their CO ₂ sorption properties. 2014 , 436, 77-82	14
1296	Synthesis of embedded iron nanoparticles in Fe ₃ C-derived carbons. 2014 , 79, 74-84	16
1295	The electrocapacitive properties of hierarchical porous reduced graphene oxide templated by hydrophobic CaCO ₃ spheres. 2014 , 2, 451-459	42
1294	Enhanced CO ₂ /N ₂ selectivity in amidoxime-modified porous carbon. 2014 , 67, 457-464	77
1293	Quantum-Dot Sensitized Solar Cells Employing Hierarchical Cu ₂ S Microspheres Wrapped by Reduced Graphene Oxide Nanosheets as Effective Counter Electrodes. 2014 , 4, 1301564	105
1292	Polyaniline nanostructures expedient as working electrode materials in supercapacitors. 2014 , 115, 189-197	16

1291	Band gap-tunable (CuAg) _x In ₂ xZn ₂ (1-x)S ₂ solid solutions synthesized by hydrothermal method with ultrasonic assistance and their photocatalytic H ₂ production performance. 2014 , 582, 617-622	10
1290	Improved properties of dye-sensitized solar cells by multifunctional scattering layer of yolk-shell-like TiO ₂ microspheres. 2014 , 264, 35-41	47
1289	A new hierarchical porous zirconium phosphate membrane and its adsorption properties. 2014 , 196, 1-7	5
1288	Anatase TiO ₂ mesocrystals with exposed (001) surface for enhanced photocatalytic decomposition capability toward gaseous styrene. 2014 , 224, 216-224	37
1287	Making coke a more efficient catalyst in the oxidative dehydrogenation of ethylbenzene using wide-pore transitional aluminas. 2014 , 381, 179-187	23
1286	A facile method for preparation of iron based catalysts for high temperature water gas shift reaction. 2014 , 20, 3297-3302	29
1285	Preparation and electrochemical characteristics of porous hollow spheres of NiO nanosheets as electrodes of supercapacitors. 2014 , 256, 440-448	119
1284	A new photocatalytic tool in VOCs abatement: Effective synergetic combination of sonication and light for the synthesis of monometallic palladium-containing TiO ₂ . 2014 , 147, 624-632	25
1283	Preparation of nitrogen-doped TiO ₂ /graphene nanohybrids and application as counter electrode for dye-sensitized solar cells. 2014 , 6, 2118-24	41
1282	Formation of Mesoporous Heterostructured BiVO ₄ /Bi ₂ S ₃ Hollow Discoids with Enhanced Photoactivity. 2014 , 126, 6027-6031	85
1281	On the drug adsorption capacity of SBA-15 obtained from various detemplation protocols. 2014 , 131, 186-189	8
1280	On the stability of conventional and nano-structured carbon-based catalysts in the oxidative dehydrogenation of ethylbenzene under industrially relevant conditions. 2014 , 77, 329-340	18
1279	Graphene supported plasmonic photocatalyst for hydrogen evolution in photocatalytic water splitting. 2014 , 25, 265701	52
1278	Comparative study of Zr, Nb, Mo containing SBA-15 grafted with amino-organosilanes. 2014 , 196, 243-253	16
1277	Silver nanoparticle-containing submicron-in-size mesoporous silica-based systems for iodine entrapment and immobilization from gas phase. 2014 , 196, 305-313	38
1276	Synthesis of highly dispersed MnO _x /FeO ₂ nanospheres by surfactant-assisted supercritical anti-solvent (SAS) technique: The important role of the surfactant. 2014 , 92, 84-92	7
1275	Enhanced hydrogen generation by methanolysis of sodium borohydride in the presence of phosphorus modified boehmite. 2014 , 134, 257-262	31
1274	Catalytic activity of copper (II) oxide prepared via ultrasound assisted Fenton-like reaction. 2014 , 21, 854-9	25

1273	Effects of the preparation method on the structure and the visible-light photocatalytic activity of Ag ₂ CrO ₄ . 2014 , 5, 658-66	67
1272	Preparation of silica hydrogels using a synthetic peptide for application as carriers for controlled drug release and mesoporous oxides. 2014 , 122, 134-140	4
1271	Synthesis of Silica Vesicles with Small Sizes and Reduced Aggregation for Photodynamic Therapy. 2014 , 43, 316-318	2
1270	Toxicology of Mesoporous Silica Particles and Their Uses in Nanomedicine. 2014 , 75-96	
1269	Bowl-like SnO ₂ @Carbon Hollow Particles as an Advanced Anode Material for Lithium-Ion Batteries. 2014 , 126, 13017-13021	46
1268	A Bundle of Short Conduits Model of the Pore Structure of Gas Shale. 2015 ,	8
1267	Benzene and Methane Adsorption on Ultrahigh Surface Area Carbons Prepared from Sulphonated Styrene Divinylbenzene Resin by KOH Activation. 2015 , 33, 587-594	21
1266	Phases Hybridizing and Hierarchical Structuring of Mesoporous TiO Nanowire Bundles for High-Rate and High-Capacity Lithium Batteries. 2015 , 2, 1500070	33
1265	A top-down approach for fabricating free-standing bio-carbon supercapacitor electrodes with a hierarchical structure. 2015 , 5, 14155	36
1264	A Bundle of Short Conduits Model of the Pore Structure of Gas Shale. 2015 ,	1
1263	Epoxy composite dusts with and without carbon nanotubes cause similar pulmonary responses, but differences in liver histology in mice following pulmonary deposition. 2016 , 13, 37	34
1262	Hierarchical Pt/NiO Hollow Microspheres with Enhanced Catalytic Performance. 2015 , 1, 58-67	69
1261	A Facile Method for Synthesis of Porous NiCo ₂ O ₄ Nanorods as a High-Performance Anode Material for Li-Ion Batteries. 2015 , 32, 1012-1019	60
1260	Efficient Synthesis of Amides and Esters from Alcohols under Aerobic Ambient Conditions Catalyzed by a Au/Mesoporous Al ₂ O ₃ Nanocatalyst. 2015 , 8, 1916-25	29
1259	Adsorption Processes for the Synthesis of Catalytically Active Metal Nanoparticles in Polymeric Matrices. 2015 , 38, 683-689	2
1258	Complete and Rapid Conversion of Hydrazine Monohydrate to Hydrogen over Supported Ni-Pt Nanoparticles on Mesoporous Ceria for Chemical Hydrogen Storage. 2015 , 21, 15439-45	34
1257	Hierarchical SnO ₂ /Carbon Nanofibrous Composite Derived from Cellulose Substance as Anode Material for Lithium-Ion Batteries. 2015 , 21, 16195-202	60
1256	One-Pot Preparation of Propargylamines Catalyzed by Heterogeneous Copper Catalyst Supported on Periodic Mesoporous Organosilica with Ionic Liquid Framework. 2015 , 80, 1573-1579	27

1255	Acid-functionalized mesoporous carbon: an efficient support for ruthenium-catalyzed Valerolactone production. 2015 , 8, 2520-8	51
1254	Gas Sorption Properties of Isostructural Co-MOFs Containing Dipyridylporphyrin Linkers with Different Substituents at the 10,20-meso-Positions. 2015 , 2015, 2989-2995	6
1253	Electrochemically Nanostructured Polyvinylferrocene/Polypyrrole Hybrids with Synergy for Energy Storage. 2015 , 25, 4803-4813	54
1252	Nanocasting of Periodic Mesoporous Materials as an Effective Strategy to Prepare Mixed Phases of Titania. 2015 , 20, 21881-95	6
1251	One step to synthesize the nanocomposites of graphene nanosheets and N-doped titania nanoplates with exposed {001} facets for enhanced visible-light photocatalytic activity. 2015 , 17, 1	1
1250	Porous MnFe ₂ O ₄ microrods as advanced anodes for Li-ion batteries with long cycle lifespan. 2015 , 3, 9550-9555	43
1249	A novel interfacial synthesis of MnO _x /NiO _x reduced graphene oxide hybrid with enhanced pseudocapacitance performance. 2015 , 5, 54138-54147	3
1248	Spinel type CoFe oxide porous nanosheets as magnetic adsorbents with fast removal ability and facile separation. 2015 , 454, 134-43	25
1247	Water binding properties of acid-thinned wheat, potato, and pea starches. 2015 , 67, 438-447	3
1246	Mechanically robust aerogels derived from an amine-bridged silsesquioxane precursor. 2015 , 75, 519-529	6
1245	Chemical vapour synthesis of lanthanum gallium oxide nanoparticles. 2015 , 35, 3545-3552	10
1244	Interfacial phenomena in core-shell nanocomposites of PDMS adsorbed onto low specific surface area fumed silica nanooxides: Effects of surface modification. 2015 , 68, 158-167	38
1243	Encapsulation of enzymes in silica nanocapsules formed by an amphiphilic precursor polymer in water. 2015 , 3, 1261-1267	23
1242	Hierarchical Porous and High Surface Area Tubular Carbon as Dye Adsorbent and Capacitor Electrode. 2015 , 7, 12230-7	88
1241	Hierarchical Metal-Organic Framework Hybrids: Perturbation-Assisted Nanofusion Synthesis. 2015 , 48, 3044-52	84
1240	What if the Electrical Conductivity of Graphene Is Significantly Deteriorated for the Graphene-Semiconductor Composite-Based Photocatalysis?. 2015 , 7, 27948-58	43
1239	Luminescent hollow CaWO ₄ microspheres: template-free synthesis, characterization and application in drug delivery. 2015 , 5, 104172-104178	6
1238	Unique preparation method for mesoporous Fe ₂ O ₃ simplified by using surfactant contained mesoporous silica as a hard template. 2015 , 19, 51-53	4

1237	Synthesis of shuttle-like anatase TiO ₂ mesocrystals. 2015 , 145, 201-204		3
1236	PdCl ₂ -loading mesoporous copper oxide as a novel and environmentally friendly catalyst for diethyl carbonate synthesis. 2015 , 332, 379-383		5
1235	Synthetic zeolites from fly ash as effective mineral sorbents for land-based petroleum spills cleanup. 2015 , 147, 100-107		119
1234	Preparation of nanocrystalline Fe ₂ O ₃ /Cr ₂ O ₃ /CuO powder by a modified urea hydrolysis method: A highly active and stable catalyst for high temperature water gas shift reaction. 2015 , 64, 418-424		16
1233	Silica-titania composite aerogel photocatalysts by chemical liquid deposition of titania onto nanoporous silica scaffolds. 2015 , 7, 5400-9		77
1232	Three-dimensional astrocyte-network Ni ₃ PO ₄ compound with superior electrocatalytic activity and stability for methanol oxidation in alkaline environments. 2015 , 3, 4669-4678		72
1231	Removal efficiency of Pb(II) from aqueous solution by 1-alkyl-3-methylimidazolium bromide ionic liquid mediated mesoporous silica. 2015 , 3, 1356-1364		27
1230	Carbon-doped titania nanoplates with exposed {001} facets: facile synthesis, characterization and visible-light photocatalytic performance. 2015 , 5, 17667-17675		11
1229	Chemical vapour synthesis and characterisation of Al ₂ O ₃ nanopowders. 2015 , 41, 3653-3658		11
1228	A versatile strategy toward binary three-dimensional architectures based on engineering graphene aerogels with porous carbon fabrics for supercapacitors. 2015 , 7, 4257-64		57
1227	Dual-Porosity SiO ₂ /C Nanocomposite with Enhanced Lithium Storage Performance. 2015 , 119, 3495-3501		87
1226	Mesoporous Iron Phosphonate Electrodes with Crystalline Frameworks for Lithium-Ion Batteries. <i>Chemistry of Materials</i> , 2015 , 27, 1082-1089	9.6	127
1225	Energy Transfer Induced by Carbon Quantum Dots in Porous Zinc Oxide Nanocomposite Films. 2015 , 119, 2837-2843		34
1224	Design of SnO ₂ -based highly sensitive ethanol gas sensor based on quasi molecular-cluster imprinting mechanism. 2015 , 212, 47-54		47
1223	The use of mesoporous silica in the removal of Cu(I) from the cyanidation process. 2015 , 50, 439-446		3
1222	Silica promoted self-assembled mesoporous aluminas. Impact of the silica precursor on the structural, textural and acidic properties. 2015 , 250, 115-122		6
1221	Synthesis of double-shelled SnO ₂ nano-polyhedra and their improved gas sensing properties. 2015 , 7, 3276-84		56
1220	3D hierarchical porous graphene aerogels for highly improved adsorption and recycled capacity. 2015 , 194, 62-67		44

1219	Heterogeneous complexes of nickel MCM-41 with diimine ligands: Applications in olefin oligomerization. 2015 , 323, 45-54	38
1218	One-dimensional manganese-cobalt oxide nanofibres as bi-functional cathode catalysts for rechargeable metal-air batteries. 2015 , 5, 7665	76
1217	Dehydration of fructose into 5-hydroxymethylfurfural by high stable ordered mesoporous zirconium phosphate. 2015 , 145, 234-240	53
1216	Robust superhydrophobic bridged silsesquioxane aerogels with tunable performances and their applications. 2015 , 7, 2016-24	65
1215	Co ²⁺ -loaded periodic mesoporous aluminum phosphonates for efficient modified Fenton catalysis. 2015 , 5, 7628-7636	33
1214	Ordered mesoporous carbon-titania composites and their enhanced photocatalytic properties. 2015 , 449, 297-303	13
1213	Nanosheet-structured boron nitride spheres with a versatile adsorption capacity for water cleaning. 2015 , 7, 1824-32	97
1212	Synthesis of Cr,N-codoped titania nanotubes and their visible-light-driven photocatalytic properties. 2015 , 324, 691-697	12
1211	Effect of pore geometries on the catalytic properties of NiO/Al ₂ O ₃ catalysts in CO ₂ reforming of methane. 2015 , 5, 21090-21098	17
1210	Hierarchically organized silica monoliths: influence of different acids on macro- and mesoporous formation. 2015 , 73, 103-111	7
1209	Development of a nanoporous adsorbent for the removal of health-hazardous fluoride ions from aqueous systems. 2015 , 3, 4215-4228	65
1208	Facile synthesis of mesoporous nanocrystalline ZnO bipyramids and spheres: Characterization, and photocatalytic activity. 2015 , 155, 162-170	14
1207	Visible light assisted photocatalytic degradation of organic dyes on TiO ₂ /CNT nanocomposites. 2015 , 73, 72-82	22
1206	MnO ₂ nanostructures with three-dimensional (3D) morphology replicated from diatoms for high-performance supercapacitors. 2015 , 3, 7855-7861	88
1205	Scaffold-assisted synthesis of crystalline mesoporous titania materials. 2015 , 5, 61960-61972	5
1204	Facile synthesis, photoluminescence properties and microwave absorption enhancement of porous and hollow ZnO spheres. 2015 , 281, 20-27	61
1203	Egg-Box Structure in Cobalt Alginate: A New Approach to Multifunctional Hierarchical Mesoporous N-Doped Carbon Nanofibers for Efficient Catalysis and Energy Storage. 2015 , 1, 261-9	163
1202	Synergistic enhancement of electrochemical performance of electrospun TiC/C hybrid nanofibers for supercapacitor application. 2015 , 176, 402-409	27

1201	Producing hierarchical porous carbon monoliths from hydrometallurgical recycling of spent lead acid battery for application in lithium ion batteries. 2015 , 17, 4637-4646	18
1200	Solar simulated hydrogen evolution using cobalt oxide nanoclusters deposited on titanium dioxide mesoporous materials prepared by evaporation induced self-assembly process. 2015 , 40, 10795-10806	7
1199	Dealloying-driven synthesis of sea-urchin like titanate nanowires and hierarchically porous anatase TiO ₂ nanospindles with enhanced photocatalytic performance. 2015 , 98, 651-660	10
1198	Shape-controlled synthesis of mesoporous iron phosphate materials with crystallized frameworks. 2015 , 51, 13806-9	18
1197	Preparation of amidoximated polymer composite based on CMK-3 for selective separation of uranium from aqueous solutions. 2015 , 306, 365-375	12
1196	Catalytic activities of ultra-small FeOOH nanorods in ozonation of 4-chlorophenol. 2015 , 35, 83-90	46
1195	Scalable fabrication of exceptional 3D carbon networks for supercapacitors. 2015 , 3, 16104-16111	49
1194	Fabrication of a SnO ₂ -based acetone gas sensor enhanced by molecular imprinting. 2014 , 15, 352-64	23
1193	Magnetic CuO@Fe ₃ O ₄ nanocomposite as a highly active heterogeneous catalyst of persulfate for 2,4-dichlorophenol degradation in aqueous solution. 2015 , 5, 57058-57066	39
1192	Anchoring via covalent binding of diimine-nickel complexes in SBA-15 and its application in catalytic reactions. 2015 , 502, 221-229	17
1191	Hydrothermal synthesis of bimodal mesoporous MoS ₂ nanosheets and their hydrodeoxygenation properties. 2015 , 5, 61799-61807	35
1190	Formation and development of the pore structure in Chang 7 member oil-shale from Ordos Basin during organic matter evolution induced by hydrous pyrolysis. 2015 , 158, 549-557	119
1189	Preparation of porous 3D Ce-doped ZnO microflowers with enhanced photocatalytic performance. 2015 , 5, 59887-59894	72
1188	One dimensionally spinel NiCo ₂ O ₄ nanowire arrays: facile synthesis, water oxidation, and magnetic properties. 2015 , 174, 1216-1224	117
1187	Urea-assisted solvothermal synthesis of monodisperse multiporous hierarchical micro/nanostructured ZnCo ₂ O ₄ microspheres and their lithium storage properties. 2015 , 21, 2743-2754	14
1186	High performance sponge MnO ₂ nanotube monoliths. 2015 , 5, 60831-60834	4
1185	Self-Activation Mechanism Investigations on Large K ₂ CO ₃ -Doped Li ₄ SiO ₄ Sorbent Particles. 2015 , 54, 7292-7300	34
1184	Effect of hydrothermal reaction time and calcination temperature on properties of Au@CeO ₂ core-shell catalyst for CO oxidation at low temperature. 2015 , 50, 6339-6348	20

1183	3-dimensional porous NiCo ₂ O ₄ nanocomposite as a high-rate capacity anode for lithium-ion batteries. 2015 , 176, 575-585	65
1182	Synthesis of magnetic and upconversion nanocapsules as multifunctional drug delivery system. 2015 , 229, 322-329	6
1181	Rationally designed hierarchical MnO ₂ @NiO nanostructures for improved lithium ion storage. 2015 , 5, 61148-61154	8
1180	A carbon-free ruthenium oxide/mesoporous titanium dioxide electrode for lithium-oxygen batteries. 2015 , 295, 299-304	28
1179	Effect of activating agents on the development of microporosity in polymeric-based carbon for CO ₂ adsorption. 2015 , 94, 673-679	64
1178	Microwave synthesis of Fe ₂ O ₃ nanoparticles and their lithium storage properties: A comparative study. 2015 , 648, 732-739	28
1177	Hierarchical TiO ₂ spheres decorated with Au nanoparticles for visible light hydrogen production. 2015 , 5, 21237-21241	9
1176	Preparation of mesoporous nanocrystalline alkali promoted chromium free catalysts (Fe ₂ O ₃ /Al ₂ O ₃ /NiO) for a high temperature water gas shift reaction. 2015 , 5, 9955-9964	19
1175	Micro-nano structured Ni-MOFs as high-performance cathode catalyst for rechargeable Li-O ₂ batteries. 2015 , 7, 11833-40	59
1174	Ordered mesoporous crystalline aluminas from self-assembly of ABC triblock terpolymer/Butanol/Alumina sols. 2015 , 5, 49287-49294	12
1173	Insight into the mechanism of photocatalytic degradation of gaseous o-dichlorobenzene over flower-type V ₂ O ₅ hollow spheres. 2015 , 3, 15163-15170	57
1172	High-temperature water-gas shift reaction over nanostructured Cr-free Fe ₂ O ₃ /Al ₂ O ₃ /Cu/OMO (M: Ba, Ca, Mg and Sr) catalysts for hydrogen production. 2015 , 30, 353-358	19
1171	SnO ₂ highly sensitive CO gas sensor based on quasi-molecular-imprinting mechanism design. 2015 , 15, 3789-800	62
1170	From Adsorption to Ordered Mesoporous Materials: Jaroniec and Kruk. <i>Chemistry of Materials</i> , 2015 , 27, 1903-1904	9.6 0
1169	The synchronized wash-off of reactive-dyed cotton fabrics and decolorization of resultant wastewater using titanium dioxide nano-fibers. 2015 , 125, 367-75	5
1168	Synthesis of mesoporous silica-tethered phosphonic acid sorbents for uranium species from aqueous solutions. 2015 , 482, 1-8	37
1167	Organic-inorganic hybrid nanocomposite-based gas sensors for environmental monitoring. 2015 , 115, 4571-606	341
1166	Photocatalytic performance comparison of titania hollow spheres composed of nanoplates with dominant {001} facets and nanoparticles without dominant {001} facets. 2015 , 66, 46-49	6

1165	Controlled synthesis of natroalunite microtubes and spheres with excellent fluoride removal performance. 2015 , 271, 240-251	40
1164	Flexible, Highly Graphitized Carbon Aerogels Based on Bacterial Cellulose/Lignin: Catalyst-Free Synthesis and its Application in Energy Storage Devices. 2015 , 25, 3193-3202	219
1163	Preparation of nitrogen-functionalized mesoporous carbon and its application for removal of copper ions. 2015 , 50, 4600-4609	18
1162	Synthesis, characterization and insights into stable and well organized hexagonal mesoporous zinc-doped alumina as promising metathesis catalysts carrier. 2015 , 44, 9823-38	28
1161	Photocatalytic conversion of CO ₂ to hydrocarbon fuel using carbon and nitrogen co-doped sodium titanate nanotubes. 2015 , 498, 205-213	51
1160	Self-curved coral-like Al_2O_3 nanoplates for use as an adsorbent. 2015 , 453, 244-251	31
1159	Mn ₃ O ₄ @C core-shell composites as an improved anode for advanced lithium ion batteries. 2015 , 5, 46829-46833	3
1158	Hierarchical Porous Graphene Carbon-Based Supercapacitors. <i>Chemistry of Materials</i> , 2015 , 27, 2107-2113	172
1157	Tungstate Supported on Periodic Mesoporous Organosilica with Imidazolium Framework as an Efficient and Recyclable Catalyst for the Selective Oxidation of Sulfides. 2015 , 80, 990-999	45
1156	One step production of in situ nitrogen doped mesoporous carbon confined sulfur for lithium-sulfur batteries. 2015 , 5, 31629-31636	11
1155	Synthesis of porous Cu ₂ O/CuO cages using Cu-based metal-organic frameworks as templates and their gas-sensing properties. 2015 , 3, 12796-12803	221
1154	PEG-assisted hydrothermal synthesis and electrochemical performance of ZnO/Ketjenblack nanocomposite for lithium ion batteries. 2015 , 5, 40219-40226	4
1153	Low-density, hydrophobic, highly flexible ambient-pressure-dried monolithic bridged silsesquioxane aerogels. 2015 , 3, 3390-3398	70
1152	A preliminary study of the pseudo-capacitance features of strontium doped lanthanum manganite. 2015 , 5, 5858-5862	35
1151	Toward highly efficient CdS/CdSe quantum dot-sensitized solar cells incorporating a fullerene hybrid-nanostructure counter electrode on transparent conductive substrates. 2015 , 5, 30617-30623	23
1150	Template-free synthesis of nanoporous gadolinium phosphonate as a magnetic resonance imaging (MRI) agent. 2015 , 5, 42762-42767	5
1149	Photocatalytic reduction of CO ₂ by graphitic carbon nitride polymers derived from urea and barbituric acid. 2015 , 179, 1-8	287
1148	Nanocrystals and nanomaterials of isorecticular zeolitic imidazolate frameworks. 2015 , 216, 161-170	13

1147	Porous MnO/Mn ₃ O ₄ nanocomposites for electrochemical energy storage. 2015 , 13, 702-708	46
1146	Hierarchical mesoporous anatase TiO ₂ nanostructures with efficient photocatalytic and photovoltaic performances. 2015 , 3, 9714-9721	42
1145	Protic-salt-derived nitrogen/sulfur-codoped mesoporous carbon for the oxygen reduction reaction and supercapacitors. 2015 , 8, 1608-17	64
1144	Subunits controlled synthesis of Fe ₂ O ₃ multi-shelled core-shell microspheres and their effects on lithium/sodium ion battery performances. 2015 , 3, 10092-10099	82
1143	3D Hierarchical Mesoporous Flowerlike Cobalt Oxide Nanomaterials: Controllable Synthesis and Electrochemical Properties. 2015 , 119, 8537-8546	41
1142	Electrospun manganese-cobalt oxide hollow nanofibres synthesized via combustion reactions and their lithium storage performance. 2015 , 7, 8351-5	97
1141	Dual-template synthesis of N-doped macro/mesoporous carbon with an open-pore structure as a metal-free catalyst for dye-sensitized solar cells. 2015 , 300, 254-260	20
1140	Performance Enhancement of Dye-Sensitized Solar Cells Based on TiO ₂ Thick Mesoporous Photoanodes by Morphological Manipulation. 2015 , 31, 11659-70	17
1139	Synthesis, Nickel Decoration, and Hydrogen Adsorption of Silica-Templated Mesoporous Carbon Material with High Surface Area. 2015 , 119, 23430-23435	12
1138	Cooperative adsorption based kinetics for dichlorobenzene dechlorination over Pd/Fe bimetal. 2015 , 138, 510-515	15
1137	Enhancement on the performance of TiO ₂ photocatalysts under weak UV light irradiation via asorbed-layer nanoreactor technique. 2015 , 481, 413-422	13
1136	Fractionation of carboxylate anions from aqueous solution using chitosan cross-linked sorbent materials. 2015 , 5, 82065-82077	36
1135	Hierarchical porous active carbon from fallen leaves by synergy of K ₂ CO ₃ and their supercapacitor performance. 2015 , 299, 519-528	133
1134	Microwave-assisted synthesis of 3D flowerlike Ni(OH) ₂ nanostructures for supercapacitor application. 2015 , 58, 1871-1876	10
1133	Direct confinement of Ru nanoparticles inside nanochannels of large pore mesoporous aluminosilicate for Fischer-Tropsch synthesis. 2015 , 3, 23725-23731	5
1132	PEDOT-PSS coated sulfur/carbon composite on porous carbon papers for high sulfur loading lithium-sulfur batteries. 2015 , 5, 96862-96869	14
1131	Nanoporous iron oxide@carbon composites with low carbon content as high-performance anodes for lithium-ion batteries. 2015 , 5, 89092-89098	5
1130	One-pot direct synthesis route to self-assembled highly ordered Zn-decorated mesoporous aluminium oxide toward efficient and sustainable metathesis heterogeneous catalyst design. 2015 , 5, 92743-92756	6

1129	Enhanced electrochemical performance of a ZnO-MnO composite as an anode material for lithium ion batteries. 2015 , 17, 23496-502	21
1128	Highly efficient sulfated Zr-doped titanoniobate nanoplates for the alcoholysis of styrene epoxide at room temperature. 2015 , 357, 1951-1957	8
1127	Eu ³⁺ /Sm ³⁺ hybrids based with 8-hydroxybenz[de]anthracen-7-one organically modified mesoporous silica SBA-15/16. 2015 , 50, 9-17	1
1126	Self-assembled ZnS nanospheres with nanoscale porosity as an efficient carrier for the delivery of doxorubicin. 2015 , 5, 92499-92505	
1125	Autocatalytic synthesis of molecular-bridged silica aerogels with excellent absorption and super elasticity. 2015 , 5, 91407-91413	15
1124	Multi-layer and open three-dimensionally ordered macroporous TiO ₂ /ZrO ₂ composite: diversified design and the comparison of multiple mode photocatalytic performance. 2015 , 86, 818-828	39
1123	Adsorption of Lead Ions from Aqueous Phase on Mesoporous Silica with P-Containing Pendant Groups. 2015 , 7, 23144-52	42
1122	Investigation of magnetic and electrochemical sensing properties of novel Ba _{1/3} Mn _{1/3} Co _{1/3} Fe ₂ O ₄ nanoparticles. 2015 , 39, 9596-9604	4
1121	A facile precipitation synthesis of mesoporous 2-line ferrihydrite with good fluoride removal properties. 2015 , 5, 84389-84397	33
1120	Facile preparation and performance of hierarchical self-assembly MnCo ₂ O ₄ nanoflakes as anode active material for lithium ion batteries. 2015 , 180, 866-872	37
1119	Immobilization of Heteroleptic Bis(oxazoline) Zinc Catalysts on SBA-15 for Asymmetric Hydrosilylation. 2015 , 34, 5146-5154	8
1118	Cross-linked polymer-derived B/N co-doped carbon materials with selective capture of CO ₂ . 2015 , 3, 23352-23359	27
1117	Excellent fluoride decontamination and antibacterial efficacy of Fe-Ca-Zr hybrid metal oxide nanomaterial. 2015 , 457, 289-97	47
1116	Chitosan-Assisted Assembly of Sub-10 nm Nanocrystals into Mesoporous TiO ₂ Fibers with High-Aspect-Ratio for Improved Lithium-Ion Storage. 2015 , 180, 658-665	3
1115	Enhanced visible-light-driven photocatalytic performance of porous graphitic carbon nitride. 2015 , 358, 270-277	43
1114	Efficient photocatalytic reduction of CO ₂ by amine-functionalized g-C ₃ N ₄ . 2015 , 358, 350-355	184
1113	Facile formation of mesoporous BiVO ₄ /Ag/AgCl heterostructured microspheres with enhanced visible-light photoactivity. 2015 , 54, 9033-9	93
1112	Copper-Containing Rod-Shaped Nanosized Silica Particles for Microwave-Assisted Synthesis of Triazoles in Aqueous Solution. 2015 , 3, 2516-2525	15

1111	Hierarchical pore-in-pore and wire-in-wire catalysts for rechargeable Zn and Li-ion batteries with ultra-long cycle life and high cell efficiency. 2015 , 8, 3274-3282	96
1110	Hierarchically porous carbons derived from nonporous metal-organic frameworks: Synthesis and influence of struts. 2015 , 180, 651-657	23
1109	Unveiling Mesopore Evolution in Carbonized Wood: Interfacial Separation, Migration, and Degradation of Lignin Phase. 2015 , 3, 2489-2495	17
1108	Effect of Desilication on the Performance of Hierarchical ZSM-11 Catalysts for Alkylation of Benzene with Dimethyl Ether. 2015 , 145, 1972-1983	16
1107	Tailored Fe ₃ C-derived carbons with embedded Fe nanoparticles for ammonia adsorption. 2015 , 95, 208-219	10
1106	Competitive influence of surface area and mesopore size on gas-sensing properties of SnO ₂ hollow fibers. 2015 , 50, 7725-7734	13
1105	N and Ti ³⁺ co-doped 3D anatase TiO ₂ superstructures composed of ultrathin nanosheets with enhanced visible light photocatalytic activity. 2015 , 3, 22073-22080	60
1104	Effect of the reaction time on the microstructure and porous texture of carbon materials obtained by chlorination of Ti(C ₅ H ₅)Cl ₂ . 2015 , 166, 233-240	2
1103	Silica nanoparticles catalyze the formation of silica nanocapsules in a surfactant-free emulsion system. 2015 , 3, 24428-24436	17
1102	Carbon-doped titania flakes with an octahedral bipyramid skeleton structure for the visible-light photocatalytic mineralization of ciprofloxacin. 2015 , 5, 98361-98365	12
1101	Influence of the Polymer Surface Charge on the Synthesis and Properties of Polymer/Silica Composites. 2015 , 54, 11295-11301	2
1100	In Situ Integration of Anisotropic SnO ₂ /Heterostructures inside Three-Dimensional Graphene Aerogel for Enhanced Lithium Storage. 2015 , 7, 26085-93	23
1099	Mesoporous silico-aluminophosphates derived from microporous precursors as promising catalyst for hydroisomerization. 2015 , 245, 155-162	17
1098	Chrysanthemum-like 3D hierarchical magnetic Fe ₂ O ₃ and Fe ₃ O ₄ superstructures: facile synthesis and application in adsorption of organic pollutants from water. 2015 , 5, 1705-1711	24
1097	A self-assembled 3D Pt/TiO ₂ architecture for high-performance photocatalytic hydrogen production. 2015 , 7, 1610-5	42
1096	Surface functionalized mesoporous silica nanoparticles as an effective carrier for epirubicin delivery to cancer cells. 2015 , 89, 248-58	67
1095	Facile fabrication of urchin-like hollow boehmite and alumina microspheres with a hierarchical structure via Triton X-100 assisted hydrothermal synthesis. 2015 , 17, 1318-1325	35
1094	Influence of vanadium doping on the supercapacitance performance of hexagonal birnessite. 2015 , 277, 26-35	25

1093	Impact of H ₂ O on CO ₂ Separation from Natural Gas: Comparison of Carbon Nanotubes and Disordered Carbon. 2015 , 119, 407-419	44
1092	Ordered mesoporous and bulk Co ₃ O ₄ supported Pd catalysts for catalytic oxidation of o-xylene. 2015 , 242, 294-299	52
1091	Hybrid nanoarchitecture of rutile TiO ₂ nanoneedle/graphene for advanced lithium-ion batteries. 2015 , 269, 44-50	30
1090	Efficient removal of radioactive iodide ions from water by three-dimensional Ag ₂ O-Ag/TiO ₂ composites under visible light irradiation. 2015 , 284, 171-81	108
1089	Potassium salt-assisted synthesis of highly microporous carbon spheres for CO ₂ adsorption. 2015 , 82, 297-303	105
1088	High performance of mesoporous Fe ₂ O ₃ nanoparticle/Ketjen Black composite as anode material for lithium ion batteries. 2015 , 151, 118-125	18
1087	Fluoride removal mechanism of bayerite/boehmite nanocomposites: roles of the surface hydroxyl groups and the nitrate anions. 2015 , 440, 60-7	34
1086	Mesoporous zirconium phosphonate materials as efficient water-tolerable solid acid catalysts. 2015 , 5, 1485-1494	26
1085	Facile one-pot preparation of goethite/parabutlerite nanocomposites and their removal properties and mechanism toward As(V) ions. 2015 , 324, 355-362	5
1084	Carbon materialization of ionic liquids: from solvents to materials. 2015 , 2, 168-197	135
1083	Controllable synthesis of porous TiO ₂ with a hierarchical nanostructure for efficient photocatalytic hydrogen evolution. 2015 , 3, 3710-3718	31
1082	Ag ₂ SiO ₂ /TiO ₂ nanocomposite coatings with enhanced photoactivity for self-cleaning application on building materials. 2015 , 178, 144-154	74
1081	Constructing hierarchical submicrotubes from interconnected TiO ₂ nanocrystals for high reversible capacity and long-life lithium-ion batteries. 2014 , 4, 4479	41
1080	Mapping nanocavities in plugged SBA-15 with confined silver nanostructures. 2015 , 201, 234-239	8
1079	Non-isothermal kinetic study of CO ₂ sorption and desorption using a fluidizable Li ₄ SiO ₄ . 2015 , 260, 347-356	23
1078	Evidence of Superparamagnetism in Mg _{0.5} Mn _{0.5} Fe ₂ O ₄ Nanosized Ferrite. 2015 , 28, 955-960	4
1077	The Use of Eco-Friendly Catalyst in the Production of Ester. 2016 , 20,	
1076	Nanostructuring of Metal Oxides in Aqueous Solutions. 2016 , 369-458	

1075	. 2016,	16
1074	An Effective Electrodeposition Mode for Porous MnO ₂ /Ni Foam Composite for Asymmetric Supercapacitors. 2016, 9,	41
1073	Thiol-Functionalized Mesoporous Silica for Effective Trap of Mercury in Rats. 2016, 2016, 1-10	3
1072	Highly Crystallized C-Doped Mesoporous Anatase TiO ₂ with Visible Light Photocatalytic Activity. 2016, 6, 117	30
1071	Preparation of Novel Li ₄ SiO ₄ Sorbents with Superior Performance at Low CO ₂ Concentration. 2016, 9, 1607-13	45
1070	Mesoporous Bamboo Charcoal Nanoparticles as a New Near-Infrared Responsive Drug Carrier for Imaging-Guided Chemotherapy/Photothermal Synergistic Therapy of Tumor. 2016, 5, 1627-37	29
1069	Ordered Mesoporous Cobalt Phosphate with Crystallized Walls toward Highly Active Water Oxidation Electrocatalysts. 2016, 12, 1709-15	128
1068	Nitrogen, Phosphorus, and Sulfur Co-Doped Hollow Carbon Shell as Superior Metal-Free Catalyst for Selective Oxidation of Aromatic Alkanes. 2016, 55, 4016-20	211
1067	Understanding Co-Mo Catalyzed Ammonia Decomposition: Influence of Calcination Atmosphere and Identification of Active Phase. 2016, 8, 938-945	28
1066	Template-Directed Ordered Mesoporous Silica@Palladium-Containing Zinc Metal/Organic Framework Composites as Highly Efficient Suzuki Coupling Catalysts. 2016, 8, 900-905	8
1065	Nitrogen, Phosphorus, and Sulfur Co-Doped Hollow Carbon Shell as Superior Metal-Free Catalyst for Selective Oxidation of Aromatic Alkanes. 2016, 128, 4084-4088	50
1064	Influence of the electrokinetic properties of cellulose on the morphology of iron(III) oxide upon template synthesis. 2016, 42, 582-589	7
1063	Influence of alternative cations distribution in Ag _x Li _{96-x} -LSX on dehydration kinetics and its selective adsorption performance for N ₂ and O ₂ . 2016, 6, 125115	4
1062	Flower-like Ni ₃ (NO ₃) ₂ (OH) ₄ @Zr-metal organic framework (UiO-66) composites as electrode materials for high performance pseudocapacitors. 2016, 22, 2545-2551	19
1061	Cadmium Removal from Aqueous Solution by a Deionization Supercapacitor with a Birnessite Electrode. 2016, 8, 34405-34413	53
1060	Relationship between pore size and reversible and irreversible immobilization of ionic liquid electrolytes in porous carbon under applied electric potential. 2016, 109, 143111	21
1059	Interfacial Effects in Polymer Nanocomposites Studied by Thermal and Dielectric Techniques. 2016, 191-251	3
1058	Fabrication of magnetic Fe ₃ O ₄ /C/TiO ₂ composites with nanotube structure and enhanced photocatalytic activity. 2016, 32, 786-793	6

1057	Adsorption, oxidation, and reduction behavior of arsenic in the removal of aqueous As(III) by mesoporous Fe/Al bimetallic particles. 2016 , 96, 22-31	104
1056	Phosphonate-Derived Nanoporous Metal Phosphates and Their Superior Energy Storage Application. 2016 , 8, 9790-7	58
1055	Methanol conversion to light olefins over surfactant-modified nanosized SAPO-34. 2016 , 118, 701-717	16
1054	Role of Amphiphilic Block Copolymer Composition on Pore Characteristics of Micelle-Templated Mesoporous Cobalt Oxide Films. 2016 , 32, 4077-85	20
1053	The design and synthesis of porous NiCo ₂ O ₄ ellipsoids supported by flexible carbon nanotubes with enhanced lithium-storage properties for lithium-ion batteries. 2016 , 6, 31925-31933	14
1052	Hybrid mesoporous Cu ₂ ZnSnS ₄ (CZTS)/TiO ₂ photocatalyst for efficient photocatalytic conversion of CO ₂ into CH ₄ under solar irradiation. 2016 , 6, 38964-38971	50
1051	Preparation of NiS ₂ //MoS ₂ catalysts by two-step hydrothermal method and their enhanced activity for hydrodeoxygenation of p-cresol. 2016 , 179, 1-9	33
1050	Carbon microspheres preparation, graphitization and surface functionalization for glycerol etherification. 2016 , 277, 68-77	20
1049	Incorporation of TiO ₂ coating on a palladium heterogeneous nanocatalyst. A new method to improve reusability of a catalyst. 2016 , 84, 16-20	13
1048	Li ₄ Ti ₅ O ₁₂ /Ketjen Black with open conductive frameworks for high-performance lithium-ion batteries. 2016 , 201, 179-186	16
1047	Pore characteristic analysis of a lacustrine shale: A case study in the Ordos Basin, NW China. 2016 , 73, 554-571	90
1046	Preparation of Ni/CNTs catalyst with high reducibility and their superior catalytic performance in benzene hydrogenation. 2016 , 522, 180-187	39
1045	Hybrid nanostructured microporous carbon-mesoporous carbon doped titanium dioxide/sulfur composite positive electrode materials for rechargeable lithium-sulfur batteries. 2016 , 324, 239-252	48
1044	Preparation of a four-layer magnetic core-shell nanocomposite for the selective hydrogenation of cinnamic acid. 2016 , 51, 7669-7677	4
1043	Adsorption behavior of carbon dioxide and methane in bituminous coal: A molecular simulation study. 2016 , 24, 1275-1282	34
1042	Enhancement effects of ultrasound assisted in the synthesis of NiAl hydrotalcite for carbonyl sulfide removal. 2016 , 32, 336-342	29
1041	Synthesis and Properties of Luminescent Silicon Nanocrystal/Silica Aerogel Hybrid Materials. <i>Chemistry of Materials</i> , 2016 , 28, 3877-3886	9.6 25
1040	Thermal stability of porous sol-gel phosphosilicates and their surface area stabilisation by lanthanum addition. 2016 , 178, 91-94	1

1039	Hierarchically Porous CuCo ₂ O ₄ Microflowers: a Superior Anode Material for Li-ion Batteries and a Stable Cathode Electrocatalyst for Li-O ₂ Batteries. 2016 , 208, 148-155	39
1038	CuO catalysts supported on activated red mud for efficient catalytic carbon monoxide oxidation. 2016 , 302, 23-32	49
1037	Size dependence of silver nanoparticles in carboxylic acid functionalized mesoporous silica SBA-15 for catalytic reduction of 4-nitrophenol. 2016 , 6, 35167-35176	28
1036	A facile pathway for the incorporation of silica into cellulose aerogels with increased optical transmittance. 2016 , 31, 549-556	3
1035	pH-triggered sustained release of arsenic trioxide by polyacrylic acid capped mesoporous silica nanoparticles for solid tumor treatment in vitro and in vivo. 2016 , 31, 23-35	37
1034	Iron phthalocyanine-graphene donor-acceptor hybrids for visible-light-assisted degradation of phenol in the presence of H ₂ O ₂ . 2016 , 192, 182-192	65
1033	Solution-processable polyimide aerogels with high hydrophobicity. 2016 , 176, 118-121	25
1032	Self-assembled hybrid precursors towards more efficient propane ODH NiMoO ₄ catalysts. 2016 , 6, 6046-6056	11
1031	Templated solvothermal synthesis of magnesium silicate hollow nanospheres with ultrahigh specific surface area and their application in high-performance protein adsorption and drug delivery. 2016 , 4, 3257-3268	21
1030	Photocatalytic properties of mesoporous TiO ₂ nanocomposites modified with carbon nanotubes and copper. 2016 , 42, 11901-11906	26
1029	Effect of hydration and dehydration on the properties of SBA-15 layer studied by humidity scanning QCM-D. 2016 , 230, 58-65	6
1028	Synthesis of one-dimensional NiFe ₂ O ₄ nanostructures: tunable morphology and high-performance anode materials for Li ion batteries. 2016 , 4, 8620-8629	65
1027	Preparation of MnO ₂ /Al ₂ O ₃ adsorbent with large specific surface area for fluoride removal. 2016 , 27, 66-71	12
1026	Magnetic memory effect in self-assembled nickel ferrite nanoparticles having mesoscopic void spaces. 2016 , 6, 45701-45707	11
1025	Effect of Fe-doped TiO ₂ photocatalysts on the degradation of acid orange 7. 2016 , 168, 1-9	13
1024	C-doped mesoporous anatase TiO ₂ comprising 10nm crystallites. 2016 , 476, 1-8	30
1023	Polymer-templated mesoporous hybrid oxides of Al and Cu: highly porous sorbents for ammonia. 2016 , 6, 38662-38670	1
1022	Highly fluorescent and morphology-controllable graphene quantum dots-chitosan hybrid xerogels for in vivo imaging and pH-sensitive drug carrier. 2016 , 67, 478-485	65

1021	The sucrose-assisted NiCo ₂ O ₄ @C composites with enhanced lithium-storage properties. 2016 , 109, 616-623	50
1020	Porous Co ₃ O ₄ nanoparticles derived from a Co(II)-cyclohexanehexacarboxylate metal-organic framework and used in a supercapacitor with good cycling stability. 2016 , 6, 86447-86454	22
1019	Synthesis of FeS@C-N hierarchical porous microspheres for the applications in lithium/sodium ion batteries. 2016 , 688, 790-797	57
1018	Preparation, characterization, and properties of graphene-based composite aerogels via in situ polymerization and three-dimensional self-assembly from graphene oxide solution. 2016 , 6, 78538-78547	11
1017	Self-encapsulation of a drug-containing ionic liquid into mesoporous silica monoliths or nanoparticles by a sol-gel process. 2016 , 6, 82916-82923	9
1016	Hollow Manganese Silicate Nanotubes with Tunable Secondary Nanostructures as Excellent Fenton-Type Catalysts for Dye Decomposition at Ambient Temperature. 2016 , 26, 7334-7342	81
1015	Optimization of Pore Structure of Cathodic Carbon Supports for Solvate Ionic Liquid Electrolytes Based Lithium-Sulfur Batteries. 2016 , 8, 27803-27813	16
1014	New Hybrid Iron Phosphonate Material as an Efficient Catalyst for the Synthesis of Adipic Acid in Air and Water. 2016 , 4, 7147-7157	34
1013	Porous NiO/graphene composite thin films as high performance anodes for lithium-ion batteries. 2016 , 8, 198-204	14
1012	Synthesis of silica-polybutadiene hybrid aerogels: The effects of reaction conditions on physical and mechanical properties. 2016 , 452, 325-335	11
1011	Synthesis of Porous Crystalline Doped Titania Photocatalysts Using Modified Precursor Strategy. <i>Chemistry of Materials</i> , 2016 , 28, 7878-7888	9.6 20
1010	One Pot Solvothermal Synthesis of Sandwich-like Mg Al Layered Double Hydroxide anchored Reduced Graphene Oxide: An excellent electrode material for Supercapacitor. 2016 , 219, 214-226	32
1009	Ultrasml SnS nanoparticles embedded in carbon spheres: a high-performance anode material for sodium ion batteries. 2016 , 6, 95805-95811	25
1008	Wastewater sludge dewaterability enhancement using hydroxyl aluminum conditioning: Role of aluminum speciation. 2016 , 105, 615-624	88
1007	Li ₄ Ti ₅ O ₁₂ hollow microspheres assembled by nanoparticles as an anode material for lithium-ion batteries. 2016 , 181, 108-112	6
1006	A nest-like hierarchical porous V ₂ O ₅ as a high-performance cathode material for Li-ion batteries. 2016 , 42, 16956-16960	7
1005	Facile synthesis and excellent electrochemical performance of reduced graphene oxide@Co ₃ O ₄ yolk-shell nanocages as a catalyst for oxygen evolution reaction. 2016 , 4, 13534-13542	103
1004	Sulfur confined in nitrogen-doped microporous carbon used in a carbonate-based electrolyte for long-life, safe lithium-sulfur batteries. 2016 , 109, 1-6	98

1003	Attaching folic acid on hydroxyapatite nanorod surfaces: an investigation of the HABA interaction. 2016 , 6, 76390-76400	21
1002	Preparation of porous alumina hollow spheres as an adsorbent for fluoride removal from water with low aluminum residual. 2016 , 42, 17472-17481	22
1001	Facile synthesis of birnessite-type manganese oxide nanoparticles as supercapacitor electrode materials. 2016 , 482, 183-192	29
1000	Influences of SO ₂ , NO, and CO ₂ Exposure on Pore Morphology of Various Rank Coals: Implications for Coal-Fired Flue Gas Sequestration in Deep Coal Seams. 2016 , 30, 5911-5921	27
999	Designed formation through a metal organic framework route of ZnO/ZnCoO hollow core-shell nanocages with enhanced gas sensing properties. 2016 , 8, 16349-16356	122
998	MnO _x -CeO ₂ shell-in-shell microspheres for NH ₃ -SCR de-NO _x at low temperature. 2016 , 86, 36-40	48
997	NiO nanoparticles supported on graphene 3D network current collector for high-performance electrochemical energy storage. 2016 , 214, 68-75	21
996	Preparation and characterization of ibuprofen/modified chitosan/TiO ₂ hybrid composite as a controlled drug-delivery system. 2016 , 234, 361-369	40
995	Facile One-Pot Synthesis of Mechanically Robust Biopolymer/Silica Nanocomposite Aerogel by Cogelation of Silicic Acid with Chitosan in Aqueous Media. 2016 , 4, 5674-5683	45
994	Iron and nitrogen co-doped carbon derived from soybeans as efficient electro-catalysts for the oxygen reduction reaction. 2016 , 215, 388-397	46
993	Facile synthesis of three-dimensional porous carbon sheets from a water-soluble biomass source sodium alginate for lithium ion batteries. 2016 , 83, 590-596	11
992	Fluoride adsorption onto amorphous aluminum hydroxide: Roles of the surface acetate anions. 2016 , 483, 295-306	52
991	CO _x -free hydrogen production via ammonia decomposition over molybdenum nitride-based catalysts. 2016 , 6, 7495-7504	42
990	Employing a Nickel-Containing Supramolecular Framework as Ni Precursor for Synthesizing Robust Supported Ni Catalysts for Dry Reforming of Methane. 2016 , 8, 2939-2952	20
989	NiO promoted CuO/NiO/SBA-15 composites as highly active catalysts for epoxidation of olefins. 2016 , 40, 8543-8548	14
988	Alkali-Doped Lithium Orthosilicate Sorbents for Carbon Dioxide Capture. 2016 , 9, 2480-7	52
987	Characterization, thermal and mechanical properties and hydrophobicity of resorcinol-furfural/silicone hybrid aerogels synthesized by ambient-pressure drying. 2016 , 6, 75793-75804	13
986	Super flame-retardant lightweight rime-like carbon-phenolic nanofoam. 2016 , 6, 33480	15

- 985 Double-Helix Structure in Carrageenan-Metal Hydrogels: A General Approach to Porous Metal Sulfides/Carbon Aerogels with Excellent Sodium-Ion Storage. **2016**, 128, 16157-16160 23
- 984 Double-Helix Structure in Carrageenan-Metal Hydrogels: A General Approach to Porous Metal Sulfides/Carbon Aerogels with Excellent Sodium-Ion Storage. **2016**, 55, 15925-15928 131
- 983 Fabrication of the ZnFe₂O₄ Fiber-in-Tube and Tubular Mesoporous Nanostructures via Single-spinneret Electrospinning: Characterization, Mechanism and Performance as Anodes for Li-ion Batteries. **2016**, 222, 1176-1185 13
- 982 Sonication and light irradiation as green energy sources simultaneously implemented in the synthesis of Pd-Fe- and Pt-Fe- doped TiO₂-based photocatalysts. **2016**, 425, 1-9 10
- 981 Copper-Based Coordination Polymer Nanostructure for Visible Light Photocatalysis. **2016**, 28, 9776-9781 38
- 980 Three-Dimensional Branched TiO₂ Architectures in Controllable Bloom for Advanced Lithium-Ion Batteries. **2016**, 8, 20040-7 34
- 979 Two-Step Solution-Processed Two-Component Bilayer Phthalocyaninato Copper-Based Heterojunctions with Interesting Ambipolar Organic Transiting and Ethanol-Sensing Properties. **2016**, 3, 1600253 19
- 978 Preparation of magnetic Fe₃O₄@SiO₂@mTiO₂/Au spheres with well-designed microstructure and superior photocatalytic activity. **2016**, 51, 9602-9612 21
- 977 N-Doped carbon decorated with molybdenum disulfide with excellent electrochemical performance for lithium-ion batteries. **2016**, 6, 75626-75631 5
- 976 Micro-/nano-structured hybrid of exfoliated graphite and Co₃O₄ nanoparticles as high-performance anode material for Li-ion batteries. **2016**, 213, 98-106 25
- 975 In situ microemulsion synthesis of hydroxyapatite-MgFe₂O₄ nanocomposite as a magnetic drug delivery system. **2016**, 68, 774-779 77
- 974 Analogous graphite carbon sheets derived from corn stalks as high performance sodium-ion battery anodes. **2016**, 6, 106218-106224 23
- 973 High-Performance Asymmetric Supercapacitors of MnCoO Nanofibers and N-Doped Reduced Graphene Oxide Aerogel. **2016**, 8, 34045-34053 137
- 972 Novel Fluidizable K-Doped HAC-Li₄SiO₄ Sorbent for CO₂ Capture Preparation and Characterization. **2016**, 55, 12524-12531 31
- 971 Organosilica hybrid nanomaterials with a high organic content: syntheses and applications of silsesquioxanes. **2016**, 8, 19945-19972 113
- 970 Unique nanocrystalline frameworks in mesoporous tin phosphate prepared through a hydrofluoric acid assisted chemical reaction. **2016**, 4, 18091-18099 10
- 969 Controlling the BET Surface Area of Porous Carbon by Using the Cd/C Ratio of a Cd-MOF Precursor and Enhancing the Capacitance by Activation with KOH. **2016**, 22, 17734-17747 34
- 968 Polyethylenimine Functionalized As-Synthesized KIT-6 Adsorbent for Highly CO₂/N₂ Selective Separation. **2016**, 30, 9635-9644 31

967	Nanoscale Polydopamine (PDA) Meets π - π Interactions: An Interface-Directed Coassembly Approach for Mesoporous Nanoparticles. 2016 , 32, 12119-12128	102
966	One-pot hydrothermal synthesis of Nitrogen-doped graphene as high-performance anode materials for lithium ion batteries. 2016 , 6, 26146	257
965	Prolifera-Green-Tide as Sustainable Source for Carbonaceous Aerogels with Hierarchical Pore to Achieve Multiple Energy Storage. 2016 , 26, 8487-8495	143
964	Fabrication of hierarchical composite microspheres of copper-doped Fe ₃ O ₄ @P4VP@ZIF-8 and their application in aerobic oxidation. 2016 , 40, 10127-10135	18
963	Sulfonic acid-functionalized mesoporous carbon/silica as efficient catalyst for dehydration of fructose into 5-hydroxymethylfurfural. 2016 , 6, 101526-101534	18
962	Ultra-thin anatase TiO ₂ nanosheets with admirable structural stability for advanced reversible lithium storage and cycling performance. 2016 , 220, 398-404	19
961	NiFe-layered double hydroxides: a bifunctional O ₂ electrode catalyst for non-aqueous LiO ₂ batteries. 2016 , 6, 103106-103115	22
960	Superparamagnetic yolk-shell porous nanospheres of iron oxide@magnesium silicate: synthesis and application in high-performance anticancer drug delivery. 2016 , 6, 103399-103411	12
959	Quantum effects in the sorption kinetics of 4He by mesoporous materials. 2016 , 42, 80-84	1
958	Platinum clusters supported on/in Dion-Jacobson phase HLaNb ₂ O ₇ by topochemical method. 2016 , 90, 2616-2618	
957	Ammonia Activation of Carbonized Polysaccharides and their Application for the Carbon Capture. 2016 , 37, 689-694	3
956	Characterization of p(AA-co-AM)/bent/urea and its swelling and slow release behavior in a simulative soil environment. 2016 , 133, n/a-n/a	14
955	Nitrogen and Phosphorous Co-Doped Graphene Monolith for Supercapacitors. 2016 , 9, 513-20	73
954	Construction of site-specific core-shell structured nanocomposite for pH-controlled drug delivery. 2016 , 23, 987-995	6
953	Synthesis and characterization of cellulose triacetate aerogels with ultralow densities. 2016 , 6, 54054-54059	8
952	Silica-aerogel-powders jammed polyimide aerogels with excellent hydrophobicity and conversion to ultra-light polyimide aerogel. 2016 , 6, 58268-58278	21
951	Design of multifunctional magnetic hybrid silica aerogels with improved properties. 2016 , 232, 227-237	10
950	Fabrication of ultrafine manganese oxide-decorated carbon nanofibers for high-performance electrochemical capacitors. 2016 , 211, 524-532	12

949	Hierarchically Structured Fullerene C70 Cube for Sensing Volatile Aromatic Solvent Vapors. 2016 , 10, 6631-7	112
948	Hydrodeoxygenation of p-Cresol over Pt/Al ₂ O ₃ Catalyst Promoted by ZrO ₂ , CeO ₂ , and CeO ₂ /ZrO ₂ . 2016 , 55, 7598-7603	28
947	Versatile nickel-tungsten bimetallics/carbon nanofiber catalysts for direct conversion of cellulose to ethylene glycol. 2016 , 18, 3949-3955	26
946	Used oxygen-doped C ₃ N ₄ to enhance the photocatalysis performance of O-C ₃ N ₄ /Ag@AgCl composite photocatalyst. 2016 , 6, 52067-52075	9
945	Atomic thin titania nanosheet-coupled reduced graphene oxide 2D heterostructures for enhanced photocatalytic activity and fast lithium storage. 2016 , 12, 211-218	12
944	Study on preparation of microwave absorbing MnO _x /Al ₂ O ₃ adsorbent and degradation of adsorbed glyphosate in MW/UV system. 2016 , 298, 68-74	18
943	Mesoporous carbon materials prepared from litchi shell as sulfur encapsulator for lithium-sulfur battery application. 2016 , 324, 547-555	70
942	Nobel metal free, oxidant free, solvent free catalytic transformation of alcohol to aldehyde over ZnO-CeO ₂ mixed oxide catalyst. 2016 , 523, 21-30	10
941	BiVO ₄ /Fe/Mt composite for visible-light-driven degradation of acid red 18. 2016 , 129, 27-34	19
940	Graphene-wrapped nickel sulfide nanoprisms with improved performance for Li-ion battery anodes and supercapacitors. 2016 , 26, 425-437	120
939	Ordered mesoporous crystalline titania with high thermal stability from comb-like liquid crystal block copolymers. 2016 , 6, 55834-55841	12
938	A highly active bimetallic oxide catalyst supported on γ-Al ₂ O ₃ /TiO ₂ for catalytic wet peroxide oxidation of quinoline solutions under microwave irradiation. 2016 , 6, 66027-66036	9
937	Microwave-assisted preparation of almond shell-based activated carbon for methylene blue adsorption. 2016 , 5,	4
936	Developing microporosity in Kevlar®-derived carbon fibers by CO ₂ activation for CO ₂ adsorption. 2016 , 16, 17-22	26
935	Hierarchically Flower-like N-Doped Porous Carbon Materials Derived from an Explosive 3-Fold Interpenetrating Diamondoid Copper Metal-Organic Framework for a Supercapacitor. 2016 , 55, 6552-62	67
934	Inserting Sn Nanoparticles into the Pores of TiO ₂ /PAA Nanofibers by Lithiation. 2016 , 26, 376-383	44
933	A novel combination of simple foaming and freeze-drying processes for making carbon foam containing multiwalled carbon nanotubes. 2016 , 42, 8980-8989	15
932	Sheet sensor using SrAl ₂ O ₄ :Eu mechanoluminescent material for visualizing inner crack of high-pressure hydrogen vessel. 2016 , 41, 1333-1340	48

931	Synthesis and characterization of surface-modified mesoporous silica materials with β -cyclodextrin. 2016 , 2, 1132984	23
930	Functionalized Mesoporous Silica via an Aminosilane Surfactant Ion Exchange Reaction: Controlled Scaffold Design and Nitric Oxide Release. 2016 , 8, 2220-31	45
929	Highly efficient graphene oxide/porphyrin photocatalysts for hydrogen evolution and the interfacial electron transfer. 2016 , 187, 67-74	41
928	Ascorbic acid-coated Fe ₃ O ₄ nanoparticles as a novel heterogeneous catalyst of persulfate for improving the degradation of 2,4-dichlorophenol. 2016 , 6, 10633-10640	28
927	Enhanced catalytic activity for fructose conversion on nanostructured niobium oxide after hydrothermal treatment: Effect of morphology and porous structure. 2016 , 422, 23-34	16
926	Facile fabrication of MnO _x and N co-doped hierarchically porous carbon microspheres for high-performance supercapacitors. 2016 , 191, 1018-1025	11
925	Synthesis of akageneite (beta-FeOOH)/reduced graphene oxide nanocomposites for oxidative decomposition of 2-chlorophenol by Fenton-like reaction. 2016 , 308, 11-20	95
924	One-pot synthesis of Au@ZnO@SiO ₂ nanostructures for sunlight photodegradation. 2016 , 414, 148-159	17
923	N 1 -(3-Trimethoxysilylpropyl)diethylenetriamine grafted KIT-6 for CO ₂ /N ₂ selective separation. 2016 , 6, 898-909	17
922	Hierarchical flowerlike magnesium oxide hollow spheres with extremely high surface area for adsorption and catalysis. 2016 , 4, 400-406	67
921	Preparation of N-doped microporous carbon nanospheres by direct carbonization of as-prepared mesoporous silica nanospheres containing cetylpyridinium bromide template. 2016 , 99, 8-16	18
920	Nanocellulose-derived highly porous carbon aerogels for supercapacitors. 2016 , 99, 203-211	176
919	A facile precursor calcination approach to iron oxide micro/nanostructures with a high magnetization. 2016 , 659, 66-73	14
918	Hydrothermal synthesis, characterization and sorption properties of Al/Fe oxideoxyhydroxide composite powders. 2016 , 27, 756-764	17
917	High performance NiFe layered double hydroxide for methyl orange dye and Cr(VI) adsorption. 2016 , 152, 415-22	183
916	A smart strategy to fabricate Ru nanoparticle inserted porous carbon nanofibers as highly efficient levulinic acid hydrogenation catalysts. 2016 , 18, 3558-3566	53
915	Production of mesoporous materials with high hydrothermal stability by doping metal heteroatoms. 2016 , 224, 420-425	19
914	Rapid Construction of ZnO@ZIF-8 Heterostructures with Size-Selective Photocatalysis Properties. 2016 , 8, 9080-7	217

913	Nitrogen-doped hierarchical porous carbon derived from block copolymer for supercapacitor. 2016 , 3, 140-148	50
912	Aqueous synthesis of bimodal mesoporous carbons and carbon-silica mesostructures under basic conditions. 2016 , 226, 299-308	9
911	Improved Performance of Lipase Immobilized on Tannic Acid-Templated Mesoporous Silica Nanoparticles. 2016 , 179, 1155-69	24
910	Novel multifunctional NiFe ₂ O ₄ /ZnO hybrids for dye removal by adsorption, photocatalysis and magnetic separation. 2016 , 369, 1-10	147
909	Self-assembly of polyhedral oligosilsesquioxane (POSS) into hierarchically ordered mesoporous carbons with uniform microporosity and nitrogen-doping for high performance supercapacitors. 2016 , 22, 255-268	80
908	Mesoporous Co ₃ O ₄ @carbon composites derived from microporous cobalt-based porous coordination polymers for enhanced electrochemical properties in supercapacitors. 2016 , 6, 18465-18470	15
907	On the thermal stabilization of carbon-supported SiO ₂ catalysts by phosphorus: Evaluation in the oxidative dehydrogenation of ethylbenzene to styrene and a comparison with relevant catalysts. 2016 , 514, 173-181	6
906	Surfactant-assisted synthesis of nanoporous nickel sulfide flakes and their hybridization with reduced graphene oxides for supercapacitor applications. 2016 , 6, 21246-21253	39
905	Carbon-encapsulated Mn-doped V ₂ O ₅ nanorods with long span life for high-power rechargeable lithium batteries. 2016 , 192, 216-226	30
904	Effects of monomer rigidity on the microstructures and properties of polyimide aerogels cross-linked with low cost aminosilane. 2016 , 6, 22868-22877	18
903	The design of 3D artificial leaves with spatially separated active sites for H ₂ and O ₂ generation and their application to water splitting. 2016 , 52, 4080-3	17
902	Preparation and characterization of nanosized copper (II) oxide embedded in hyper-cross-linked polystyrene: Highly efficient catalyst for aqueous-phase oxidation of aldehydes to carboxylic acids. 2016 , 79, 26-30	10
901	TiO ₂ nanotube-carbon macroscopic monoliths with multimodal porosity as efficient recyclable photocatalytic adsorbents for water purification. 2016 , 173, 452-459	6
900	Excellent lithium ion storage property of porous MnCo ₂ O ₄ nanorods. 2016 , 6, 23074-23084	32
899	Mesoporous silica derived from kaolin: Specific surface area enlargement via a new zeolite-involved template-free strategy. 2016 , 123, 76-82	14
898	The importance of raw graphite size to the capacitive properties of graphene oxide. 2016 , 6, 17023-17028	9
897	Biomimetic synthesis of interlaced mesh structures TiO ₂ nanofibers with enhanced photocatalytic activity. 2016 , 668, 113-120	12
896	Novel one-pot dry method for large-scale production of nano γ-Al ₂ O ₃ from gibbsite under dry conditions. 2016 , 147, 1153-1159	3

895	Synthesis and Catalytic Application of Mesoporous Titanium Silicoaluminophosphate-37 (MESO-TSAPO-37) Molecular Sieves Assembled from Microporous TSAPO-37 Precursor. 2016 , 146, 800-810	1
894	Uptake and degradation of Orange II by zinc aluminum layered double oxides. 2016 , 469, 224-230	20
893	Rapid synthesis of Ti-MCM-41 by microwave-assisted hydrothermal method towards photocatalytic degradation of oxytetracycline. 2016 , 44, 76-87	36
892	Facile crystal-structure-controlled synthesis of iron oxides for adsorbents and anode materials of lithium batteries. 2016 , 170, 239-245	13
891	Superior high-rate capability of Na ₃ (VO(0.5)) ₂ (PO ₄) ₂ F ₂ nanoparticles embedded in porous graphene through the pseudocapacitive effect. 2016 , 52, 3653-6	72
890	Preparation of high adsorption performance and stable biochar granules by FeCl ₃ -catalyzed fast pyrolysis. 2016 , 6, 12226-12234	12
889	Adsorption of tetracycline and sulfonamide antibiotics on amorphous nano-carbon. 2016 , 57, 22682-22694	12
888	Electrosorption of Lead Ions by Nitrogen-Doped Graphene Aerogels via One-Pot Hydrothermal Route. 2016 , 55, 1912-1920	33
887	Template-free synthesis of Ni ₂ P hollow microspheres with great photocatalytic and electrochemical properties. 2016 , 27, 2248-2254	12
886	A new strategy for achieving vertically-erected and hierarchical TiO ₂ nanosheets array/carbon cloth as a binder-free electrode for protein impregnation, direct electrochemistry and mediator-free glucose sensing. 2016 , 77, 942-9	22
885	Preparation and performance of polyurethane/mesoporous silica composites for coated urea. 2016 , 99, 21-25	25
884	Thorny TiO ₂ nanofibers: Synthesis, enhanced photocatalytic activity and supercapacitance. 2016 , 659, 138-145	22
883	Cobalt nanoparticles embedded in porous N-doped carbon as long-life catalysts for hydrolysis of ammonia borane. 2016 , 6, 3443-3448	79
882	Synthesis and optical properties of covalently bound Nile Red in mesoporous silica hybrids □ comparison of dye distribution of materials prepared by facile grafting and by co-condensation routes. 2016 , 6, 6209-6222	7
881	Preparation of mesoporous silicoaluminophosphate using ammonium hydroxide as the base and its catalytic application in the trans-alkylation of aromatics. 2016 , 51, 3146-3154	6
880	Mesoporous TiO ₂ and Co-doped TiO ₂ Nanotubes/Reduced Graphene Oxide Composites as Electrodes for Supercapacitors. 2016 , 190, 104-117	62
879	Mesoporous silica-based carbon dot/TiO ₂ photocatalyst for efficient organic pollutant degradation. 2016 , 226, 79-87	33
878	Template-free synthesis of mesoporous Al ₂ O ₃ with tunable structural properties. 2016 , 42, 4072-4079	22

877	A highly efficient electrocatalyst of perovskite LaNiO ₃ for nonaqueous LiO ₂ batteries with superior cycle stability. 2016 , 664, 750-755	23
876	Equilibrium isotherms and isosteric heat for CO ₂ adsorption on nanoporous carbons from polymers. 2016 , 22, 581-588	19
875	Sol-gel derived nanoscale ThO ₂ using nonionic surfactant agents. 2016 , 42, 6228-6235	6
874	Ultrathin nanosheets of molecular sieve SAPO-5: A new photocatalyst for efficient photocatalytic reduction of CO ₂ with H ₂ O to methane. 2016 , 187, 11-18	53
873	Morphology and molecular dynamics investigation of PDMS adsorbed on titania nanoparticles: Effects of polymer molecular weight. 2016 , 74, 64-80	49
872	Morphology-controlled synthesis, characterization and microwave absorption properties of nanostructured 3D CeO ₂ . 2016 , 41, 6-11	96
871	TiO ₂ /SiO ₂ films from organic-free colloidal TiO ₂ anatase nanoparticles as photocatalyst for removal of volatile organic compounds from indoor air. 2016 , 184, 119-131	96
870	S-doped mesoporous nanocomposite of HTiNbO ₅ nanosheets and TiO ₂ nanoparticles with enhanced visible light photocatalytic activity. 2016 , 18, 801-10	35
869	Efficient one-pot microwave-assisted hydrothermal synthesis of M (M=Cr, Ni, Cu, Nb) and nitrogen co-doped TiO ₂ for hydrogen production by photocatalytic water splitting. 2016 , 411, 128-137	56
868	Highly Ordered Single Crystalline Nanowire Array Assembled Three-Dimensional Nb ₃ O ₇ (OH) and Nb ₂ O ₅ Superstructures for Energy Storage and Conversion Applications. 2016 , 10, 507-14	65
867	Mesoporous TiO ₂ nanoparticles terminated with carbonate-like groups: Amorphous/crystalline structure and visible-light photocatalytic activity. 2016 , 264, 243-249	28
866	A green and scalable method for producing high-performance polyimide aerogels using low-boiling-point solvents and sublimation drying. 2016 , 48, 169-175	12
865	Organometallic Complexes Anchored to Conductive Carbon for Electrocatalytic Oxidation of Methane at Low Temperature. 2016 , 138, 116-25	29
864	Mesoporous silica materials functionalized with folic acid: preparation, characterization and release profile study with methotrexate. 2016 , 77, 186-204	44
863	A facile synthesis of CdSe quantum dots-decorated anatase TiO ₂ with exposed {0 0 1} facets and its superior photocatalytic activity. 2016 , 181, 838-847	62
862	Synthesis, characteristics and sonocatalytic activities of calcined γ-Fe ₂ O ₃ and TiO ₂ nanotubes/γ-Fe ₂ O ₃ magnetic catalysts in the degradation of Orange G. 2016 , 29, 317-27	30
861	Preparation and CO ₂ adsorption properties of soft-templated mesoporous carbons derived from chestnut tannin precursors. 2016 , 222, 94-103	57
860	Highly stable mesoporous NiO/γ-Fe ₂ O ₃ /Al ₂ O ₃ catalysts for CO ₂ reforming of methane: effect of Ni embedding and γ-Fe ₂ O ₃ promotion. 2016 , 6, 449-459	54

859	Synthesis, characterization, and photocatalytic activity of TiO ₂ /SiO ₂ nanocomposites. 2016 , 57, 14647-14655	10
858	ZnO nanopowders and their excellent solar light/UV photocatalytic activity on degradation of dye in wastewater. 2016 , 59, 142-149	9
857	Adsorption of heavy metal from aqueous solution by dehydrated root powder of long-root Eichhornia crassipes. 2016 , 18, 103-9	33
856	Removal of humic acid from water by adsorption onto dodecyltrimethylammonium bromide-modified zeolite in a fixed bed reactor. 2016 , 57, 8302-8318	4
855	Ordered mesoporous CoO-NiO-Al ₂ O ₃ bimetallic catalysts with dual confinement effects for CO ₂ reforming of CH ₄ . 2017 , 281, 241-249	36
854	Facile synthesis of bird's nest-like TiO ₂ microstructure with exposed (001) facets for photocatalytic degradation of methylene blue. 2017 , 391, 228-235	46
853	Nanostructured hybrid materials as precursors of mesoporous NiMo-based catalysts for the propane oxidative dehydrogenation. 2017 , 242, 200-207	7
852	Facile Synthesis and Characterization of MOF-Derived Porous Co ₃ O ₄ Composite for Oxygen Evolution Reaction. 2019 , 4, 1131-1137	11
851	The Influence of Oxygen Concentration during MAX Phases (Ti ₃ AlC ₂) Preparation on the Al ₂ O ₃ Microparticles Content and Specific Surface Area of Multilayered MXenes (Ti ₃ AlC ₂). 2019 , 12,	24
850	Polymer-derived Co/Ni ₂ SiOC(N) ceramic electrocatalysts for oxygen reduction reaction in fuel cells. 2019 , 9, 854-866	16
849	Synthesis of ZnO nanoparticles supported on mesoporous SBA-15 with coordination effect -assist for anti-bacterial assessment. 2019 , 181, 285-294	9
848	Synthesis of amino-functionalized bentonite/CoFeO@MnO magnetic recoverable nanoparticles for aqueous Cd removal. 2019 , 682, 505-513	48
847	Removal of gaseous elemental mercury by hydrogen chloride non-thermal plasma modified biochar. 2019 , 377, 132-141	16
846	Highly effective ruthenium-doped TiO ₂ nanoparticles photocatalyst for visible-light-driven photocatalytic hydrogen production. 2019 , 43, 9596-9605	53
845	Polar and Nonpolar Matrix Consisting of Twined Multiwalled Carbon Nanotube and High Nitrogen-Doped Porous Carbon Derived from Ionic Liquid for Stable Li-S Battery. 2019 , 7, 1900470	2
844	Catalytic performance of iron-promoted nickel-based ordered mesoporous alumina FeNiAl catalysts in dry reforming of methane. 2019 , 193, 348-360	32
843	Tunable Surface Area, Porosity, and Function in Conjugated Microporous Polymers. 2019 , 58, 11715-11719	58
842	Carbon soot with arbitrary wettability deposited on solid surface by ethanol flame method. 2019 , 578, 123576	7

841	Textile carbon network with enhanced areal capacitance prepared by chemical activation of cotton cloth. 2019 , 553, 705-712	30
840	Mesoporous TiO ₂ microspheres with improved efficiency for photooxidation of volatile organic compounds. 2019 , 45, 4133-4148	5
839	Degradation of carbon tetrachloride using ultrasound-assisted nanoscaled zero-valent iron particles@sulfur/nitrogen dual-doped reduced graphene oxide composite: Kinetics, activation energy, effects of reaction conditions and degradation mechanism. 2019 , 33, e5014	6
838	Production of propylene glycol (1,2-propanediol) by the hydrogenolysis of glycerol in a fixed-bed downflow tubular reactor over a highly effective CuZn bifunctional catalyst: effect of an acidic/basic support. 2019 , 43, 10073-10086	11
837	Hierarchical porous CoO /carbon nanocomposite for enhanced lithium storage. 2019 , 847, 113202	5
836	Construction of ternary rGO/1D TiO ₂ nanotubes/3D ZnIn ₂ S ₄ microsphere heterostructure and mutually-reinforcing synergy for high-efficiency H ₂ production photoactivity under visible light. 2019 , 45, 14976-14982	22
835	High-capacity hydrogen generation from hydrazine monohydrate using a noble-metal-free Ni ₁₀ Mo/NiMoD nanocatalyst. 2019 , 44, 15110-15117	15
834	Full-color emission of a Eu-based mesoporous hybrid material modulated by Zn ions: emission color changes for Zn sensing via an ion exchange approach. 2019 , 48, 10547-10556	11
833	Poly(diallyldimethylammonium-MoS) based amorphous molybdenum sulphide composite for selectively mercury uptake from wastewater across a large pH region. 2019 , 232, 9-17	22
832	Microwave-assisted multicomponent synthesis of julolidines using silica-supported calix[4]arene as heterogeneous catalyst. 2019 , 75, 3740-3750	5
831	Synthesizing multilayer graphene from amorphous activated carbon via ammonia-assisted hydrothermal method. 2019 , 152, 24-32	17
830	Investigation of Microstructure and Photocatalytic Performance of a Modified Zeolite Supported Nanocrystal TiO ₂ Composite. 2019 , 9, 502	19
829	Enhanced selective catalytic reduction of NO with NH ₃ via porous micro-spherical aggregates of MnCeFeTi mixed oxide nanoparticles. 2019 , 4, 311-321	26
828	Fabrication of magnetic zeolite coated with carbon fiber using pyrolysis products from waste printed circuit boards. 2019 , 231, 1149-1157	8
827	Modulation of Polymeric Carbon Nitrides through Supramolecular Preorganization for Efficient Photocatalytic Hydrogen Generation. 2019 , 12, 3320-3325	13
826	A kinetically well-matched full-carbon sodium-ion capacitor. 2019 , 7, 13540-13549	87
825	Carbon-coated MnCo ₂ O ₄ nanowire as bifunctional oxygen catalysts for rechargeable Zn-air batteries. 2019 , 430, 25-31	35
824	Acoustic emission monitoring technology for coal and gas outburst. 2019 , 7, 443-456	17

823	Shaddock peels-based activated carbon as cost-saving adsorbents for efficient removal of Cr (VI) and methyl orange. 2019 , 26, 19828-19842	26
822	Highly Efficient Nanocarbon Coating Layer on the Nanostructured Copper Sulfide-Metal Organic Framework Derived Carbon for Advanced Sodium-Ion Battery Anode. 2019 , 12,	13
821	Catalytic oxidation and hydrolysis of HCN over LaxCuy/TiO2 catalysts at low temperatures. 2019 , 282, 260-268	9
820	Novel high-capacity and reusable carbonaceous sponges for efficient absorption and recovery of oil from water. 2019 , 487, 398-408	7
819	Dispersion truncation affects the phase behavior of bulk and confined fluids: Coexistence, adsorption, and criticality. 2019 , 150, 154104	5
818	Production of propylene glycol (propane-1,2-diol) in vapor phase over CuNi/Al2O3 catalyst in a down flow tubular reactor: effect of catalyst calcination temperature and kinetic study. 2019 , 127, 523-542	3
817	Noble and Base-Metal Nanoparticles Supported on Mesoporous Metal Oxides: Efficient Catalysts for the Selective Hydrogenation of Levulinic Acid to Valerolactone. 2019 , 149, 2807-2822	16
816	Preparation of Pt, Pd and Cu nano single and bimetallic systems-supported NaY zeolite and test their activity in p-nitrophenol reduction and as anticancer agents. 2019 , 7, 103117	4
815	A Borocarbonitride Ceramic Aerogel for Photoredox Catalysis. 2019 , 131, 6094-6098	3
814	Nanocellulose-derived carbon nanosphere fibers-based nanohybrid aerogel for high-performance all-solid-state flexible supercapacitors. 2019 , 30, 8585-8594	8
813	Rhenium disulfide nanosheets/carbon composite as novel anodes for high-rate and long lifespan sodium-ion batteries. 2019 , 61, 626-636	29
812	Polyvinyl pyrrolidone-assisted synthesis of size-tunable polymer spheres at elevated temperature and their conversion to nitrogen-containing carbon spheres. 2019 , 549, 162-170	5
811	Extended Nitric Oxide-Releasing Polyurethanes via S-Nitrosothiol-Modified Mesoporous Silica Nanoparticles. 2019 , 11, 12216-12223	27
810	Mulberry-like heterostructure (Fe-O-Ti): a novel sensing material for ethanol gas sensors.. 2019 , 9, 9022-9029	1
809	Synthesis of anionic gemini surfactant-templated mesoporous silica nanoparticles and its adsorption application for Pb2+. 2019 , 40, 1664-1674	1
808	Efficient evolution of reactive oxygen species over the coordinated delocalization g-C3N4 with favorable charge transfer for sustainable pollutant elimination. 2019 , 249, 282-291	37
807	Sulfate radical induced catalytic degradation of metolachlor: Efficiency and mechanism. 2019 , 368, 606-617	18
806	Hierarchical mesoporous cobalt silicate architectures as high-performance sulfate-radical-based advanced oxidization catalysts. 2019 , 545, 128-137	30

805	Synthesis and characterization of MgO nanoparticles supported on ionic liquid-based periodic mesoporous organosilica (MgO@PMO-IL) as a highly efficient and reusable nanocatalyst for the synthesis of novel spirooxindole-furan derivatives. 2019 , 33, e4805	20
804	Influence of yolk-shell Au@TiO ₂ structure induced photocatalytic activity towards gaseous pollutant degradation under visible light. 2019 , 251, 57-65	60
803	Fewer-layer BN nanosheets-deposited on Bi ₂ MoO ₆ microspheres with enhanced visible light-driven photocatalytic activity. 2019 , 483, 572-580	29
802	Carbon Nanoparticle-Stabilized Pickering Emulsion as a Sustainable and High-Performance Interfacial Catalysis Platform for Enzymatic Esterification/Transesterification. 2019 , 7, 7619-7629	48
801	Selection of graphene dopants for Na ₃ V ₂ (PO ₄) ₃ graphene composite as high rate, ultra long-life sodium-ion battery cathodes. 2019 , 306, 558-567	19
800	Atmospheric-pressure dielectric barrier discharge cold plasma for synthesizing high performance Pd/C formic acid dehydrogenation catalyst. 2019 , 337, 201-207	19
799	Functionalized Large-Pore Mesoporous Silica Microparticles for Gefitinib and Doxorubicin Codelivery. 2019 , 12,	6
798	Promoting polythionate intermediates formation by oxygen-deficient manganese oxide hollow nanospheres for high performance lithium-sulfur batteries. 2019 , 370, 556-564	39
797	Effect of carbon nanofibers on electrode performance of symmetric supercapacitors with composite BMnO ₂ nanorods. 2019 , 789, 518-527	16
796	Disordered, Large Interlayer Spacing, and Oxygen-Rich Carbon Nanosheets for Potassium Ion Hybrid Capacitor. 2019 , 9, 1803894	177
795	A Borocarbonitride Ceramic Aerogel for Photoredox Catalysis. 2019 , 58, 6033-6037	55
794	Preparation and study of a new type of Fe-C microelectrolysis filler in oil-bearing ballast water treatment. 2019 , 26, 10673-10684	4
793	Preparation and thermal properties of shape-stabilized polyethylene glycol/mesoporous silica composite phase change materials for thermal energy storage. 2019 , 1, e45	3
792	Few-layer MoS nanosheet-coated KNbO nanowire heterostructures: piezo-photocatalytic effect enhanced hydrogen production and organic pollutant degradation. 2019 , 11, 7690-7700	77
791	Magnetic mesoporous catalytic and adsorption active Fe-Al ₂ O ₃ films. 2019 , 284, 225-234	7
790	Preparation of highly dispersed WO ₃ /few layer g-C ₃ N ₄ and its enhancement of catalytic oxidative desulfurization activity. 2019 , 572, 250-258	34
789	Design and optimization of photocatalytic performance of 3D TiO ₂ microspheres through Au nanoparticles and rGO co-modification. 2019 , 6, 075026	1
788	Thermal signature of ion intercalation and surface redox reactions mechanisms in model pseudocapacitive electrodes. 2019 , 307, 512-524	6

787	Correlation between Acidity and Catalytic Performance of Mesoporous Zirconium Oxophosphate in Phenylglyoxal Conversion. 2019 , 7, 8931-8942	3
786	High efficiency selective and reversible capture of lactulose using new boronic acid-functionalized porous polymeric monoliths. 2019 , 370, 1274-1285	17
785	Facile synthesis of ordered mesoporous zinc alumina catalysts and their dehydrogenation behavior.. 2019 , 9, 9828-9837	4
784	Effect of Gd ³⁺ doping on structural and photocatalytic properties of ZnO obtained by facile microwave-hydrothermal method. 2019 , 1, 1	12
783	A self-adhesive graphene nanoscroll/nanosheet paper with confined Fe _{1-x} S/Fe ₃ O ₄ hetero-nanoparticles for high-performance anode material of flexible Li-ion batteries. 2019 , 370, 536-546	30
782	Improved removal capacity of magnetite for Cr(VI) by electrochemical reduction. 2019 , 374, 26-34	64
781	Hierarchical micro-mesoporous carbon prepared from waste cotton textile for lithium-sulfur batteries. 2019 , 25, 4057-4066	12
780	Effectiveness of phase- and morphology-controlled MnO nanomaterials derived from flower-like γ -MnO as alternative cathode catalyst in microbial fuel cells. 2019 , 48, 5429-5443	18
779	Titanium Glycolate@Polythiophene Derivative: Waxberry-Like TiO ₂ @Carbon Composites with High-Pseudo-Capacitive Performance for Sodium Storage. 2019 , 166, A1096-A1102	6
778	Bioinspired Ant-Nest-Like Hierarchical Porous Material Using CaCl ₂ as Additive for Smart Indoor Humidity Control. 2019 , 58, 7139-7145	6
777	Preparation of polyvinylpyrrolidone modified nanomagnetite for degradation of nicotine by heterogeneous Fenton process. 2019 , 7, 102988	12
776	An In Situ Procedure for the Preparation of Zeolitic Imidazolate Framework-8 Polyacrylamide Hydrogel for Adsorption of Aqueous Pollutants. 2019 , 6, 1801895	24
775	Hydrothermal synthesis of well-standing γ -MnO ₂ nanoplatelets on nitrogen-doped reduced graphene oxide for high-performance supercapacitor. 2019 , 787, 309-317	11
774	In-situ fabrication of transition-metal-doped TiO ₂ nanofiber/nanosheet structure for high-performance Li storage. 2019 , 787, 1110-1119	11
773	Preparation and Characterization of Nanostructured Hollow MgO Spheres. 2019 , 12,	
772	Au-TiO ₂ /SiO ₂ photocatalysts with NO _x depolluting activity: Influence of gold particle size and loading. 2019 , 368, 417-427	33
771	The Counterion Effect of Imidazolium-Type Poly(ionic liquid) Brushes on Carbon Dioxide Adsorption. 2019 , 84, 281-288	10
770	Functional titania/silica/chlorophyllin hybrids: design, fabrication, comprehensive physicochemical characteristic and photocatalytic test. 2019 , 25, 485-499	5

769	Zn-doped Nb ₂ O ₅ photocatalysts driven by visible-light: An experimental and theoretical study. 2019 , 228, 160-167	24
768	Facile synthesis of mesoporous carbon aerogel for the removal of ibuprofen from aqueous solution by central composite experimental design (CCD). 2019 , 281, 261-268	25
767	A sustainable multi-function biomorphic material for pollution remediation or UV absorption: Aerosol assisted preparation of highly porous ZnO-based materials from cork templates. 2019 , 7, 102936	10
766	Paratacamite doped polypyrrole for effective hydrogen storage. 2019 , 44, 6773-6786	8
765	Applications of density functional theory to heavy metal binding to magnetic-cored dendrimer. 2019 , 615, 012067	
764	Effective ways to enhance the photocatalytic activity of ZnO nanopowders: high crystalline degree, more oxygen vacancies, and preferential growth. 2019 , 43, 19223-19231	10
763	Formation of highly porous CuCo ₂ O ₄ nanosheet assemblies for high-rate and long-term lithium storage. 2019 , 3, 3370-3374	6
762	Polysaccharide-Based Lotus Seedpod Surface-Like Porous Microsphere with Precise and Controllable Micromorphology for Ultrarapid Hemostasis. 2019 , 11, 46558-46571	36
761	Physical and Thermal Studies of Carbon-Enriched Silicon Oxycarbide Synthesized from Floating Plants. 2019 , 7, 794	0
760	Tailoring the surface area and the acid-base properties of ZrO for biodiesel production from <i>Nannochloropsis</i> sp. 2019 , 9, 16223	17
759	Imine-Linked Covalent Organic Cage Porous Crystals for CO ₂ Adsorption. 2019 , 4, 12547-12555	5
758	Degradation of Fluoroquinolone-Based Pollutants and Bacterial Inactivation by Visible-Light-Active Aluminum-Doped TiO ₂ Nanoflakes. 2019 , 2, 7898-7909	22
757	A germanium and zinc chalcogenide as an anode for a high-capacity and long cycle life lithium battery.. 2019 , 9, 35045-35049	1
756	Preparation and evaluation of a hierarchical BiMoO/MSB composite for visible-light-driven photocatalytic performance.. 2019 , 9, 38280-38288	3
755	Synthesis and characterization of a ZnGaO:Cr-based aerogel.. 2019 , 9, 33883-33889	1
754	CO ₂ Hydrogenation to Formate with Immobilized Ru-Catalysts Based on Hybrid Organo-Silica Mesostructured Materials. 2019 , 11, 430-434	12
753	Activation of peroxymonosulfate by sludge-derived biochar for the degradation of triclosan in water and wastewater. 2019 , 356, 350-358	165
752	Biomass waste derived multi-hierarchical porous carbon combined with CoFe ₂ O ₄ as advanced electrode materials for supercapacitors. 2019 , 782, 952-960	43

751	Novel porous carbon nanosheet derived from a 2D Cu-MOF: Ultrahigh porosity and excellent performances in the supercapacitor cell. 2019 , 144, 540-548	75
750	Self-templated synthesis of large-scale hierarchical anatase titania nanotube arrays on transparent conductive substrate for dye-sensitized solar cells. 2019 , 30, 572-580	5
749	Nontopological transformation of hierarchical TiO ₂ by self-regulated etching and capping roles of F ⁻ for photocatalytic H ₂ evolution. 2019 , 473, 738-745	8
748	Plasmonic Graphene-Like Au/C ₃ N ₄ Nanosheets with Barrier-Free Interface for Photocatalytically Sustainable Evolution of Active Oxygen Species. 2019 , 7, 2018-2026	21
747	Amine-Functionalized Metal-Organic Frameworks and Covalent Organic Polymers as Potential Sorbents for Removal of Formaldehyde in Aqueous Phase: Experimental Versus Theoretical Study. 2019 , 11, 1426-1439	51
746	Evaporation-induced self-assembly synthesis of nanostructured alumina-based mixed metal oxides with tailored porosity. 2019 , 537, 725-735	11
745	Ni-doped Fe ₃ O ₄ nanoparticles coupled with SnS ₂ nanosheets as 0D/2D heterogeneous catalyst for photo-Fenton reaction. 2019 , 224, 156-168	19
744	Hierarchical porous carbon spheres derived from larch sawdust via spray pyrolysis and soft-templating method for supercapacitors. 2019 , 1, 1	5
743	Column Characterization and Selection Systems in Reversed-Phase High-Performance Liquid Chromatography. 2019 , 119, 3674-3729	91
742	Human-Hair-Derived N, S-Doped Porous Carbon: An Enrichment and Degradation System for Wastewater Remediation in the Presence of Peroxymonosulfate. 2019 , 7, 2718-2727	81
741	Thin film nanocomposite membranes filled with bentonite nanoparticles for brackish water desalination: A novel water uptake concept. 2019 , 279, 82-91	28
740	Facile synthesis approach for core-shell TiO ₂ @S nanoparticles for enhanced photocatalytic H ₂ generation from water. 2019 , 328, 15-20	19
739	Coordination-driven synthesis of perfected E-conjugated graphitic carbon nitride with efficient charge transfer for oxygen activation and gas purification. 2019 , 538, 237-247	8
738	The catalytic cracking of sterically challenging plastic feedstocks over high acid density Al-SBA-15 catalysts. 2019 , 570, 218-227	31
737	Examination of High-Porosity Activated Carbon Obtained from Dehydration of White Sugar for Electrochemical Capacitor Applications. 2019 , 7, 537-546	26
736	A novel biochar supported CMC stabilized nano zero-valent iron composite for hexavalent chromium removal from water. 2019 , 217, 686-694	108
735	A polysulfide-trapping interlayer constructed by boron and nitrogen co-doped carbon nanofibers for long-life lithium sulfur batteries. 2019 , 833, 151-159	32
734	Hierarchical porous carbons derived from ionically-crosslinked alginates for lithium-ion batteries with superior electrochemical performance. 2019 , 26, 987-993	3

733	Effects of raw materials on the structures of three dimensional graphene/amorphous carbon composites derived from biomass resources. 2019 , 45, 1131-1145	7
732	Copper-cobalt Bimetallic Oxides-doped Alumina Hollow Spheres: A Highly Efficient Catalyst for Epoxidation of Styrene. 2019 , 35, 125-132	8
731	Three routes to superinsulating silica aerogel powder. 2019 , 90, 57-66	17
730	2-Ethyl-9,10-anthraquinone assisted sol-gel synthesis of Pd/Al ₂ O ₃ nanorods with enhanced catalytic performance in 2-ethyl-9,10-anthraquinone hydrogenation. 2019 , 27, 1863-1869	5
729	Fabrication of bimodal micro-mesoporous amorphous carbon-graphitic carbon-reduced graphene oxide composite microspheres prepared by pilot-scale spray drying and their application in supercapacitors. 2019 , 144, 591-600	17
728	SiO-Encompassed Co@N-Doped Porous Carbon Assemblies as Recyclable Catalysts for Efficient Hydrolysis of Ammonia Borane. 2019 , 35, 671-677	24
727	Functionalization of mesoporous Fe ₃ O ₄ @SiO ₂ nanospheres for highly efficient U(VI) adsorption. 2019 , 279, 316-322	29
726	Magnetically responsive multi-wall carbon nanotubes as recyclable demulsifier for oil removal from crude oil-in-water emulsion with different pH levels. 2019 , 145, 229-239	43
725	Recycling and regeneration of carbonaceous and porous materials through thermal or solvent treatment. 2019 , 364, 514-529	35
724	The genesis and controlling factors of micropore volume in transitional coal-bearing shale reservoirs under different sedimentary environments. 2019 , 102, 426-438	49
723	Innovative design of superhydrophobic thermal energy-storage materials by microencapsulation of n-docosane with nanostructured ZnO/SiO ₂ shell. 2019 , 237, 549-565	56
722	Fabrication and characterisation of a Fe ₃ O ₄ /Raphia farinifera nanocomposite for application in heavy metal adsorption. 2019 , 13, 11-29	11
721	Hierarchical flower-like BiO _x Br(1-x) solid solution spheres with enhanced visible-light photocatalytic activity. 2019 , 467-468, 792-801	21
720	Fabrication of flower-like mesoporous TiO ₂ hierarchical spheres with ordered stratified structure as an anode for lithium-ion batteries. 2019 , 35, 667-673	9
719	Construction of Z-scheme Fe ₂ O ₃ @e-HNbWO ₆ composite and its enhanced photocatalytic activity. 2019 , 126, 33-42	3
718	NiS and graphene as dual cocatalysts for the enhanced photocatalytic H ₂ production activity of g-C ₃ N ₄ . 2019 , 469, 657-665	49
717	Hydrophilic polythiophene/SiO ₂ composite for adsorption engineering: Green synthesis in aqueous medium and its synergistic and specific adsorption for heavy metals from wastewater. 2019 , 360, 1486-1497	35
716	Co-treatment of hazardous wastes by the thermal plasma to produce an effective catalyst. 2019 , 208, 243-251	18

7 ¹⁵	Structure and catalytic activity of hydrothermally obtained titanium-tin binary oxides for sustainable environment: Evaluation and control. 2019 , 276, 223-231	4
7 ¹⁴	Dendritic mesoporous carbon nanoparticles for ultrahigh and fast adsorption of anthracene. 2019 , 215, 716-724	12
7 ¹³	Construction of core-shell mesoporous carbon nanofiber@nickel cobaltite nanostructures as highly efficient catalysts towards 4-nitrophenol reduction. 2019 , 538, 377-386	21
7 ¹²	Integrated adsorption and photocatalytic degradation of volatile organic compounds (VOCs) using carbon-based nanocomposites: A critical review. 2019 , 218, 845-859	165
7 ¹¹	Rapid synthesis of ultrafine NiCo ₂ O ₄ nanoparticles loaded carbon nanotubes for lithium ion battery anode materials. 2019 , 715, 278-283	15
7 ¹⁰	Enhanced electrochemical performance for EDLC using ordered mesoporous carbons (CMK-3 and CMK-8): Role of mesopores and mesopore structures. 2019 , 780, 90-97	45
7 ⁰⁹	Nitrogen, Sulfur Co-doped Carbon Materials Derived from the Leaf, Stem and Root of Amaranth as Metal-free Catalysts for Selective Oxidation of Aromatic Hydrocarbons. 2019 , 11, 1010-1016	3
7 ⁰⁸	Acid-mediated surface etching of a nano-sized metal-organic framework for improved reactivity in the fixation of CO ₂ into polymers. 2019 , 71, 336-344	15
7 ⁰⁷	ZnO nanospheres based simple hydrothermal route for photocatalytic degradation of azo dye. 2019 , 211, 141-147	56
7 ⁰⁶	Phase-Controlled Cobalt Phosphide Nanoparticles Coupled with N, P, S Co-Doped Hollow Carbon Polyhedrons as Efficient Catalysts for Both Alkaline and Acidic Hydrogen Evolution. 2019 , 7, 1800757	4
7 ⁰⁵	Copper benzene-1,3,5-tricarboxylate (Cu-BTC) metal-organic framework (MOF) and porous carbon composites as efficient carbon dioxide adsorbents. 2019 , 535, 122-132	53
7 ⁰⁴	Rational Design of Transition Metal-Based Materials for Highly Efficient Electrocatalysis. 2019 , 3, 1800211	166
7 ⁰³	Low-loading of oxidized platinum nanoparticles into mesoporous titanium dioxide for effective and durable hydrogen evolution in acidic media. 2020 , 13, 2257-2270	10
7 ⁰²	Biodiesel Production from <i>N. oculata</i> Microalgae Lipid in the Presence of Bi ₂ O ₃ /ZrO ₂ Catalysts. 2020 , 11, 553-564	7
7 ⁰¹	Ru supported on micro and mesoporous carbons as catalysts for biomass-derived molecules hydrogenation. 2020 , 357, 143-151	5
7 ⁰⁰	Fabrication and study of supercapacitor electrodes based on oxygen plasma functionalized carbon nanotube fibers. 2020 , 40, 120-131	52
6 ⁹⁹	Mesoporous cobalt phosphate electrocatalyst prepared using liquid crystal template for methanol oxidation reaction in alkaline solution. 2020 , 13, 2873-2882	11
6 ⁹⁸	Carbon foam with microporous structure for high performance symmetric potassium dual-ion capacitor. 2020 , 43, 129-138	177

- 697 Porous graphitic carbon nitride nanoplates obtained by a combined exfoliation strategy for enhanced visible light photocatalytic activity. **2020**, 499, 143901 15
- 696 Direct preparation of drug-loaded mesoporous silica nanoparticles by sequential flash nanoprecipitation. **2020**, 382, 122905 19
- 695 Hydrogen Production via Aqueous-Phase Reforming of Ethylene Glycol over a Nickel-Iron Alloy Catalyst: Effect of Cobalt Addition. **2020**, 34, 1153-1161 9
- 694 Hollow CuO nanoparticles in carbon microspheres prepared from cellulose-cuprammonium solution as anode materials for Li-ion batteries. **2020**, 381, 122614 26
- 693 Tannin-derived micro-mesoporous carbons prepared by one-step activation with potassium oxalate and CO. **2020**, 558, 55-67 19
- 692 One-pot synthesis of hierarchical magnetic porous $\text{Fe}_2\text{O}_3/\text{NiFe}_2\text{O}_4$ composite with solid-phase morphology changes promoted by adsorption of anionic azo-dye. **2020**, 122, 110664 10
- 691 Biosynthesized Fe- and Ag-doped ZnO nanoparticles using aqueous extract of *Clitoria ternatea* Linn for enhancement of sonocatalytic degradation of Congo red. **2020**, 27, 34675-34691 6
- 690 Facile template fabrication of Fe-Mn mixed oxides with hollow microsphere structure for efficient and stable catalytic oxidation of 1,2-dichlorobenzene. **2020**, 382, 122940 18
- 689 Synthesis of clay-cellulose biocomposite for the removal of toxic metal ions from aqueous medium. **2020**, 381, 120871 41
- 688 Mesostructured cellular foam silica materials for laccase immobilization and tetracycline removal: A comprehensive study. **2020**, 291, 109688 11
- 687 Carica papaya stem: A source of versatile heterogeneous catalyst for biodiesel production and C=C bond formation. **2020**, 147, 541-555 63
- 686 Comparing methods for measuring thickness, refractive index, and porosity of mesoporous thin films. **2020**, 291, 109677 16
- 685 MOF derived ZnO/C nanocomposite with enhanced adsorption capacity and photocatalytic performance under sunlight. **2020**, 385, 121599 55
- 684 Synthesis of SiC powders by the carbothermal reduction of porous SiO_2/C hybrid precursors with controlled surface area. **2020**, 46, 4870-4877 6
- 683 Porous antimicrobial starch particles containing N-halamine functional groups. **2020**, 229, 115546 7
- 682 Characteristic and model of phosphate adsorption by activated carbon electrodes in capacitive deionization. **2020**, 236, 116285 13
- 681 Hierarchically fusiform CuO microstructures decorated with Fe_3O_4 nanoparticles as novel persulfate activators for 4-aminobenzenesulfonic acid degradation in aqueous solutions. **2020**, 815, 152394 10
- 680 Synthesis and characterization of mesoporous MOF UMCM-1 for CO_2/CH_4 adsorption; an experimental, isotherm modeling and thermodynamic study. **2020**, 294, 109844 29

679	A two-step precise targeting nanoplatform for tumor therapy via the alkyl radicals activated by the microenvironment of organelles. 2020 , 318, 197-209	22
678	Surface phosphorization of hierarchically nanostructured nickel molybdenum oxide derived electrocatalyst for direct hydrazine fuel cell. 2020 , 268, 118388	16
677	Fabrication and characterization of porous cellulose beads with high strength and specific surface area via preliminary chemical cross-linking reaction for protein separation. 2020 , 153, 107412	17
676	Bi@Bi ₄ Ti ₃ O ₁₂ /TiO ₂ films on glass with photocatalytic and self-cleaning performance. 2020 , 103, 3104-3118	1
675	Enhanced topical econazole antifungal efficacy by amine-functionalized silica nanoparticles. 2020 , 43, 1	10
674	Synthesis and characterization of novel nitrogen doped biocarbons from distillers dried grains with solubles (DDGS) for supercapacitor applications. 2020 , 9, 100375	7
673	Fabrication of superporous cellulose beads via enhanced inner cross-linked linkages for high efficient adsorption of heavy metal ions. 2020 , 253, 120017	36
672	Core-shell structured carbon nanotubes/N-doped carbon layer nanocomposites for supercapacitor electrodes. 2020 , 22, 1	6
671	Fabrication of tunable 1D rod-like and 3D yolk-like TiO ₂ hierarchical architectures for efficient photocatalysis. 2020 , 55, 3760-3773	6
670	Covalently linked graphene oxide/reduced graphene oxide-methoxyether polyethylene glycol functionalised silica for scavenging of estrogen: Adsorption performance and mechanism. 2020 , 246, 125729	13
669	Synthesis and Catalytic Properties of Porous Metal Silica Materials Templated and Functionalized by Extended Coordination Cages. 2020 , 59, 767-776	8
668	Characterization data of titanate compounds synthesized using hydrothermal method at various temperature. 2020 , 28, 104992	1
667	Porous NiMoC nanoparticle clusters supported on walnut shell powders derived carbon matrix for hydrogen evolution reaction. 2020 , 563, 104-111	16
666	Mechanism study about the adsorption of Pb(II) and Cd(II) with iron-trimesic metal-organic frameworks. 2020 , 385, 123507	56
665	Emerging Functional Porous Polymeric and Carbonaceous Materials for Environmental Treatment and Energy Storage. 2020 , 30, 1907006	91
664	Can epicatechin gallate increase Cr(VI) adsorption and reduction on ZIF-8?. 2020 , 391, 123501	17
663	Simultaneous Removal of Cu(II) and Cr(VI) Ions from Wastewater by Photoreduction with TiO ₂ /ZrO ₂ . 2020 , 33, 101052	15
662	Enhanced photocatalytic activity of anatase by the rational modification of the {001} facets with Fe(III) ions. 2020 , 44, 1337-1345	0

661	Highly dispersed nickel nitride nanoparticles on nickel nanosheets as an active catalyst for hydrazine electrooxidation. 2020 , 8, 632-638	28
660	Urea-assisted one-step fabrication of a novel nitrogen-doped carbon fiber aerogel from cotton as metal-free catalyst in peroxymonosulfate activation for efficient degradation of carbamazepine. 2020 , 386, 124015	21
659	Photodeposition of Pt on the Bi ₂ WO ₆ nanosheets under irradiation of 365 nm and 450 nm LED lights. 2020 , 739, 137019	2
658	Enhanced adsorption removal of aflatoxin B ₁ , zearalenone and deoxynivalenol from dairy cow rumen fluid by modified nano-montmorillonite and evaluation of its mechanism. 2020 , 259, 114366	5
657	Cleaner continuous flow production of mesoporous calcium-magnesium silicate as a potential biomaterial. 2020 , 27, 503-513	
656	Biomaterial functionalized cerium nanocomposite for removal of fluoride using central composite design optimization study. 2020 , 258, 113773	19
655	Zeolite 13X modification with gamma-aminobutyric acid (GABA). 2020 , 295, 109941	7
654	Template-assisted preparation of MnO ₂ @MnO ₂ hollow nanospheres and their research of capacitance performance. 2020 , 262, 127139	4
653	Understanding of the formation of mesocellular-like silica foam particles of nano size and its chemical surface to immobilization of Thermomyces lanuginosus lipase. 2020 , 294, 109948	1
652	Efficiently selective adsorption of Pb(II) with functionalized alginate-based adsorbent in batch/column systems: Mechanism and application simulation. 2020 , 250, 119585	36
651	Sb nanocrystal-anchored hollow carbon microspheres for high-capacity and high-cycling performance lithium-ion batteries. 2020 , 31, 135404	5
650	Novel environmental-friendly nano-composite magnetic attapulgite functionalized by chitosan and EDTA for cadmium (II) removal. 2020 , 817, 153286	41
649	Ionic Polyimide Derived Porous Carbon Nanosheets as High-Efficiency Oxygen Reduction Catalysts for Zn-Air Batteries. 2020 , 26, 6525-6534	8
648	Hollow Li ₂ SiO ₃ architectures with tunable secondary nanostructures and their potential application for the removal of heavy metal ions. 2020 , 55, 3845-3859	0
647	Synthesis of hollow mesoporous HAp-Au/MTX and its application in drug delivery. 2020 , 586, 124231	3
646	The deposition of VWO on the CuCeO microflower for the selective catalytic reduction of NO with NH ₃ at low temperatures. 2020 , 561, 808-817	18
645	One step fabrication of graphene/polypyrrole/Ag composite electrode towards compressible supercapacitor. 2020 , 820, 153081	13
644	Synthesis and Characterization of Cu-MOF Derived Cu@AC Electrocatalyst for Oxygen Reduction Reaction in PEMFC. 2020 , 150, 1397-1407	24

643	One-step microwave hydrothermal synthesis of In ₂ O ₃ nanostructures with high oxygen vacancy content. 2020 , 260, 126883	1
642	Lipophilic decavanadate supported by three-dimensional porous carbon nitride catalyst for aerobic oxidative desulfurization. 2020 , 483, 110709	9
641	A flexible CNT@nickel silicate composite film for high-performance sodium storage. 2020 , 47, 29-37	21
640	Visible light-responsive Ag/LaTiO ₃ nanowire photocatalysts for efficient elimination of atrazine herbicide in water. 2020 , 299, 112163	55
639	Soybean-waste-derived activated porous carbons for electrochemical-double-layer supercapacitors: Effects of processing parameters. 2020 , 27, 101070	15
638	Hierarchical molybdenum-doped cobaltous hydroxide nanotubes assembled by cross-linked porous nanosheets with efficient electronic modulation toward overall water splitting. 2020 , 562, 400-408	13
637	Freezing-induced hierarchical porous manganese dioxide with excellent humidity tolerance for indoor formaldehyde removal. 2020 , 758, 137938	1
636	Three-dimensional porous reduced graphene oxide/PEDOT:PSS aerogel: Facile preparation and high performance for supercapacitor electrodes. 2020 , 364, 137297	16
635	Core-shell particles of C-doped CdS and graphene: A noble metal-free approach for efficient photocatalytic H ₂ generation. 2020 , 5, 461-472	11
634	Boosting gravimetric and volumetric energy density of supercapacitors by 3D pomegranate-like porous carbon structure design. 2020 , 534, 147613	8
633	Tailoring reduction extent of flash-reduced graphene oxides for high performance supercapacitors. 2020 , 478, 228732	9
632	Fluorinated Surfactant Adsorption on Mineral Surfaces: Implications for PFAS Fate and Transport in the Environment. 2020 , 3, 516-566	18
631	High surface N-/O-doped microporous carbons for stable supercapacitor and carbon dioxide sorption applications. 2020 , 308, 110526	3
630	A facile synthesis of an Fe/N-doped ultrathin carbon sheet for highly efficient oxygen reduction reaction. 2020 , 7, 4652-4660	2
629	Immobilization laccase on heterophase TiO ₂ microsphere as a photo-enzyme integrated catalyst for emerging contaminants degradation under visible light. 2020 , 21, 100810	6
628	Heterogeneous Interface Induced the Formation of Hierarchically Hollow Carbon Microcubes against Electromagnetic Pollution. 2020 , 16, e2003407	68
627	Using dynamic dewpoint isotherms to determine the optimal storage conditions of inert dust-treated hard red winter wheat. 2020 , 3, 127-137	2
626	Low Alkali Bottom-Up Synthesis of Titanate Nanotubes Using a Peroxo Titanium Complex Ion Precursor for Photocatalysis. 2020 , 3, 7795-7803	6

- 625 Coupled Catalytic OxidationReduction and Hydrolysis with Ce1Mn2 Catalysts for HCN and NO Removal. **2020**, 34, 8543-8551 1
- 624 Synergistic Catalytic Effect of Hollow Carbon Nanosphere and Silver Nanoparticles for Oxygen Reduction Reaction. **2020**, 5, 8099-8105 4
- 623 Selective adsorption and separation of stevioside and rebaudioside A by a metal-organic framework with boronic acid. **2020**, 98, 708-716 3
- 622 Synthesis, Characterization, Adsorption Isotherm, and Kinetic Study of Oil Palm Trunk-Derived Activated Carbon for Tannin Removal from Aqueous Solution. **2020**, 5, 28673-28683 8
- 621 Contrasting Anti-obesity Effects of Smectite Clays and Mesoporous Silica in Sprague-Dawley Rats.. **2020**, 3, 7779-7788 1
- 620 Comparative Investigation of Activated Carbon Electrode and a Novel Activated Carbon/Graphene Oxide Composite Electrode for an Enhanced Capacitive Deionization. **2020**, 13, 11
- 619 Layered Double Hydroxide Functioned as a Novel Template for the Synthesis of Graphene-Oxide-Like Biochar and Enhanced Electrochemical Performances. **2020**, 34, 16220-16227 2
- 618 Effects of Molecular Cross-Sectional Areas of Adsorbed Nitrogen on the Brunauer-Emmett-Teller Analysis for Carbon-Based Slit Pores. **2020**, 36, 14656-14665 7
- 617 Efficient degradation of sulfamethoxazole by acetylene black activated peroxydisulfate. **2020**, 31, 2657-2660 55
- 616 Emodin-Containing MCM-41 Type Mesoporous Silica Nanoparticle Drug Delivery System. **2020**, 56, 174-182 0
- 615 Thin film nanocomposite membranes filled with MCM-41 and SBA-15 nanoparticles for brackish water desalination via reverse osmosis. **2020**, 20, 101101 11
- 614 Tannic acid-templated mesoporous silica nanoparticles as an effective treatment in acute ferrous sulfate poisoning. **2020**, 307, 110486 3
- 613 MOF-Derived CuPt/NC Electrocatalyst for Oxygen Reduction Reaction. **2020**, 10, 799 11
- 612 Platinum Nanoparticles Supported on Hierarchically Porous Aluminosilicate Nanospheres for Low-Temperature Catalytic Combustion of Volatile Organic Compounds. **2020**, 3, 8472-8482 7
- 611 Mesoporous Titanium Oxynitride Monoliths from Block Copolymer-Directed Self-Assembly of Metal-Urea Additives. **2020**, 36, 10803-10810 8
- 610 Efficient dry reforming of methane with carbon dioxide reaction on Ni@Y2O3 nanofibers anti-carbon deposition catalyst prepared by electrospinning-hydrothermal method. **2020**, 45, 31494-31506 6
- 609 Fine Characterization of Natural SiO2-Doped Catalyst Derived from Mussel Shell with Potential Photocatalytic Performance for Organic Dyes. **2020**, 10, 1130 4
- 608 An ultrasound-triggered cation chelation and reassembly route to one-dimensional Ni-rich cathode material enabling fast charging and stable cycling of Li-ion batteries. **2020**, 13, 3347-3357 9

607	COF-inspired fabrication of two-dimensional polyoxometalate based open frameworks for biomimetic catalysis. 2020 , 12, 21218-21224	7
606	Fabrication of FeS/SiO Double Mesoporous Hollow Spheres as an Artificial Peroxidase and Rapid Determination of HO and Glutathione. 2020 , 12, 46539-46548	25
605	Rapid Gas-Engineering to the Manufacture of Graphene-Like Mesoporous Carbon Nanosheets with a Large Aspect Ratio. 2020 , 12, 47792-47801	4
604	Synthesis and Adsorption Properties of Novel Bacterial Cellulose/Graphene Oxide/Attapulgite Materials for Cu and Pb Ions in Aqueous Solutions. 2020 , 13,	10
603	Spinach-Derived Porous Carbon Nanosheets as High-Performance Catalysts for Oxygen Reduction Reaction. 2020 , 5, 24367-24378	11
602	Amine-functionalized microporous covalent organic polymers for adsorptive removal of a gaseous aliphatic aldehyde mixture. 2020 , 7, 3447-3468	9
601	Design and Evaluation of Ra-Labeled and Anti-PSMA Targeted NaA Nanozeolites for Prostate Cancer Therapy-Part I. 2020 , 13,	11
600	Catalytic Transfer Hydrogenation of Furfural over Magnetic Carbon-Encapsulated CoO@C Catalyst. 2020 , 5, 9883-9892	10
599	Surfactant Intercalated Mono-metallic Cobalt Hydrotalcite: Preparation, Characterization, and its Bi-functional Electrocatalytic Application. 2020 , 5, 9615-9622	1
598	Low-potential immunosensor-based detection of the vascular growth factor 165 (VEGF) using the nanocomposite platform of cobalt metal-organic framework.. 2020 , 10, 27288-27296	10
597	Electrochemical performance and storage mechanism study of conjugate donor-acceptor organic polymers as anode materials of lithium-ion battery. 2020 , 6, 2094-2105	8
596	Nanoarchitectonics of Lotus Seed Derived Nanoporous Carbon Materials for Supercapacitor Applications. 2020 , 13,	5
595	Continuous production of propylene glycol (1,2-propanediol) by the hydrogenolysis of glycerol over a bi-functional CuRu/MgO catalyst. 2020 , 5, 2221-2235	2
594	Characterization and Catalytic Activity of BaAl ₂ O ₃ -ITB on Methanol Dehydration. 2020 , 778, 012054	0
593	Analysis of the performance of zirconia-multiwalled carbon nanotube nanoheterostructures in adsorbing As(V) from potable water from the aspects of physical chemistry with an emphasis on adsorption site energy distribution and density functional theory calculations. 2020 , 302, 110191	8
592	MOFs-derived core-shell Co ₃ Fe ₇ @Fe ₂ N nanoparticles supported on rGO as high-performance bifunctional electrocatalyst for oxygen reduction and oxygen evolution reactions. 2020 , 17, 100433	19
591	Microporous 3D Graphene-like Zeolite-Templated Carbons for Preferential Adsorption of Ethane. 2020 , 12, 28484-28495	11
590	Major advances in the development of ordered mesoporous materials. 2020 , 56, 7836-7848	41

589	Preparation, Characterization, and In Vitro Evaluation of Resveratrol-Loaded Cellulose Aerogel. 2020 , 13,	6
588	Adsorptive removal of an eight-component volatile organic compound mixture by Cu-, Co-, and Zr-metal-organic frameworks: Experimental and theoretical studies. 2020 , 397, 125391	36
587	Adsorption-enhanced nitrogen-doped mesoporous CeO ₂ as an efficient visible-light-driven catalyst for CO ₂ photoreduction. 2020 , 39, 101176	22
586	Hydrothermal controllable synthesis of hollow carbon particles: Reaction-growth mechanism. 2020 , 225, 115787	3
585	Green synthesis of ester base oil with high viscosity [Part I: Catalyst preparation, characterization, evaluation, and mechanism analysis. 2020 , 274, 117802	4
584	Amorphous Carbon Nanocages by Thermal CVD Synthesis from the Precursor of Phenol, and their Excellent Adsorbability for Dye. 2020 , 15, 2050056	1
583	A novel copper-based 3D porous nanocomposite for electrochemical detection and inactivation of pathogenic bacteria. 2020 , 321, 128449	14
582	Nitrogen defects-rich porous graphitic carbon nitride for efficient photocatalytic hydrogen evolution. 2020 , 578, 788-795	12
581	Embedding Co ₂ P nanoparticles into co-doped carbon hollow polyhedron as a bifunctional electrocatalyst for efficient overall water splitting. 2020 , 45, 16540-16549	25
580	Comprehensive characterization and environmental risk assessment of end-of-life automotive catalytic converters to arrange a sustainable roadmap for future recycling practices. 2020 , 400, 123186	13
579	Novel NiMoW-clay hybrid catalyst for highly efficient hydrodesulfurization reaction. 2020 , 144, 106086	1
578	TiN nanoparticles hybridized with Fe, N co-doped carbon nanosheets composites as highly efficient electrocatalyst for oxygen reduction reaction. 2020 , 400, 125968	7
577	Copper Nanoclusters/Red Globe Flower Carbon as a Fenton-Like Catalyst for the Degradation of Amido Black 10B. 2020 , 231, 1	3
576	A cellulose dissolution and encapsulation strategy to prepare carbon nanospheres with ultra-small size and high nitrogen content for the oxygen reduction reaction. 2020 , 44, 10613-10620	4
575	Metallic Pt and PtOx dual-cocatalyst-loaded WO ₃ for photocatalytic production of peroxydisulfate and hydrogen peroxide. 2020 , 55, 11829-11840	10
574	Efficient degradation of 2-methoxyphenol using heterogeneous-homogeneous synergistic activated persulfate with modified clinoptilolite + heat. 2020 , 400, 125863	9
573	Rhodotorula mucilaginosa: A source of heterogeneous catalyst for biodiesel production from yeast single cell oil and waste cooking oil. 2020 , 160, 220-230	7
572	One-step synthesis of hydrophobic clinoptilolite modified by silanization for the degradation of crystal violet dye in aqueous solution.. 2020 , 10, 22809-22818	6

571	Synthesis of CoS ₂ /SnO ₂ @MoS ₂ nanocube heterostructures for achieving enhanced electrocatalytic hydrogen evolution in acidic media. 2020 , 7, 2660-2668	11
570	Morphology-dependent formaldehyde detection of porous copper oxide hierarchical microspheres at near-room temperature. 2020 , 302, 110232	9
569	Hierarchical porous carbon derived from acai seed biowaste for supercapacitor electrode materials. 2020 , 31, 12148-12157	14
568	Solvent-Free Production of Glycerol Carbonate from Bioglycerol with Urea Over Nanostructured Promoted SnO ₂ Catalysts. 2020 , 150, 3626-3641	9
567	Microporosity, Pore Size, and Diffusional Path Length Modulate Lipolysis Kinetics of Triglycerides Adsorbed onto SBA-15 Mesoporous Silica Particles. 2020 , 36, 3367-3376	5
566	Polyaniline-derived nitrogen- and oxygen-decorated hierarchical porous carbons as an efficient electrode material for supercapacitors. 2020 , 24, 951-959	3
565	Cellulosic sponges with pH responsive wettability for efficient oil-water separation. 2020 , 237, 116133	41
564	The fabrication and arsenic removal performance of cellulose nanocrystal-containing absorbents based on the "bridge joint" effect of iron ions. 2020 , 237, 116129	18
563	Carbon-Covered Hollow Nitrogen-Doped Carbon Nanoparticles and Nitrogen-Doped Carbon-Covered Hollow Carbon Nanoparticles for Oxygen Reduction. 2020 , 3, 3487-3493	11
562	Soft-template synthesis of mesoporous NiFe ₂ O ₄ for highly sensitive acetone detection. 2020 , 31, 6000-6007	5
561	Facile synthesis of superparamagnetic @CD-MnFeO as a peroxymonosulfate activator for efficient removal of 2,4-dichlorophenol: structure, performance, and mechanism. 2020 , 394, 122528	34
560	Insight into the nanoscale pore structure of organic-rich shales in the Bakken Formation, USA. 2020 , 191, 107182	39
559	Ionic liquid coated zerovalent manganese nanoparticles with stabilized and enhanced peroxidase-like catalytic activity for colorimetric detection of hydrogen peroxide. 2020 , 7, 035018	6
558	Improving characteristics of biochar produced from collagen-containing solid wastes based on protease application in leather production. 2020 , 105, 531-539	13
557	Microemulsion solvating-out co-precipitation strategy for fabricating highly active Cu ₂ ZnO/Al ₂ O ₃ dual site catalysts for reverse water gas shift. 2020 , 10, 2343-2352	2
556	Accelerated antimony and copper removal by manganese oxide embedded in biochar with enlarged pore structure. 2020 , 402, 126021	27
555	Insight into the effects of microstructure and nitrogen doping configuration for hollow graphene spheres on oxygen reduction reaction and sodium-ion storage performance. 2020 , 45, 16569-16582	7
554	Removal of Chromium (III) from Monoammonium Phosphate Solutions by a Porous Adsorbent of Fluor(calcium silicate) Composites. 2020 , 35, 384-392	3

553	Catalytic activity of porous manganese oxides for benzene oxidation improved via citric acid solution combustion synthesis. 2020 , 98, 196-204	9
552	Potassium citrate-assisted eco-friendly synthesis of tannin-derived nitrogen-doped mesoporous carbon microspheres. 2020 , 55, 13716-13736	5
551	Interdigital electrodes of air@NiO porous nanoshells for high performance microsupercapacitors by thermally-assisted 3D printing. 2020 , 31, 375301	1
550	Transition from 2D to 3D SBA-15 by High-Temperature Fluoride Addition and its Impact on the Surface Reactivity Probed by Isopropanol Conversion. 2020 , 26, 11571-11583	0
549	An efficient strategy for the enhancement of adsorptivity of microporous carbons against gaseous formaldehyde: Surface modification with aminosilane adducts. 2020 , 743, 140761	13
548	WO horizontally-grown on TiO(B) nanosheets for enhanced photo- and electro-chemical activity. 2020 , 31, 425605	3
547	High specific surface area SnO ₂ prepared by calcining Sn-MOFs and their formaldehyde-sensing characteristics. 2020 , 321, 128560	42
546	ZnO-CuO Core-Hollow Cube Nanostructures for Highly Sensitive Acetone Gas Sensors at the ppb Level. 2020 , 12, 35688-35697	63
545	Facile synthesis of robust hybrid xerogels by an emulsion assistant method. 2020 , 401, 125937	3
544	Multifunctional Hydroxyapatite Coated with Composites. 2020 , 25,	8
543	Defect Engineering in Atomic-Layered Graphitic Carbon Nitride for Greatly Extended Visible-Light Photocatalytic Hydrogen Evolution. 2020 , 12, 13805-13812	62
542	Carbon black reborn: Structure and chemistry for renewable energy harnessing. 2020 , 162, 604-649	60
541	Template-free preparation of humidity self-regulating silica-based mesoporous oxide from volcanic ash. 2020 , 94, 416-424	0
540	Biomass-derived carbon from Ganoderma lucidum spore as a promising anode material for rapid potassium-ion storage. 2020 , 567, 256-263	43
539	A Highly Sensitive and Selective ppb-Level Acetone Sensor Based on a Pt-Doped 3D Porous SnO Hierarchical Structure. 2020 , 20,	15
538	Nanocomposite films for absorption and decomposition of sick-building syndrome gases. 2020 , 251-272	
537	Enhanced peroxymonosulfate activation by supported microporous carbon for degradation of tetracycline via non-radical mechanism. 2020 , 240, 116617	26
536	Enriched active surface structure in nanosized tungsten-cobalt oxides electrocatalysts for efficient oxygen redox reactions. 2020 , 513, 145831	11

- 535 Immobilized metal affinity chromatography matrix modified by poly (ethylene glycol) methyl ether for purification of angiotensin I-converting enzyme inhibitory peptide from casein hydrolysate. **2020**, 1143, 122042 9
- 534 Localized surface plasmon resonance of Cu-doped ZnO nanostructures and the material integration in dye sensitized solar cells (DSSCs) enabling high open-circuit potentials. **2020**, 829, 154497 14
- 533 Preparation and characterization of porous $(\text{Si}_{1-x}\text{Ti}_x)\text{O}_2$ ($x \leq 0.25$) prepared by sol-gel hydrothermal process. **2020**, 43, 1
- 532 Effect of the acid activation on a layered titanosilicate AM-4: The fine-tuning of structural and physicochemical properties. **2020**, 186, 105445 5
- 531 Functionalized mesoporous silica nanoparticles templated by pyridinium ionic liquid for hydrophilic and hydrophobic drug release application. **2020**, 24, 289-302 36
- 530 Design and fabrication of hierarchically porous carbon frameworks with Fe_2O_3 cubes as hard template for CO_2 adsorption. **2020**, 389, 124459 31
- 529 Sonochemical engineering of highly efficient and robust Au nanoparticle-wrapped on Fe/ZrO₂ nanorods and their controllable product selectivity in dimethyl oxalate hydrogenation. **2020**, 10, 1125-1134 5
- 528 Mesoporous silica with precisely controlled pores reduces food efficiency and suppresses weight gain in mice. **2020**, 15, 131-144 6
- 527 Gas sorption and supercapacitive properties of hierarchical porous graphitic carbons prepared from the hard-templating of mesoporous ZnO/Zn(OH) composite spheres. **2020**, 564, 193-203 14
- 526 Sugar-assisted mechanochemical exfoliation of graphitic carbon nitride for enhanced visible-light photocatalytic performance. **2020**, 45, 8444-8455 5
- 525 Construction of $\text{Co}_3\text{O}_4/\text{CoWO}_4$ core-shell urchin-like microspheres through ion-exchange method for high-performance acetone gas sensing performance. **2020**, 309, 127711 24
- 524 Designing a 0D/2D S-Scheme Heterojunction over Polymeric Carbon Nitride for Visible-Light Photocatalytic Inactivation of Bacteria. **2020**, 132, 5256-5263 10
- 523 A Cellulose Electrolysis Cell with Metal-Free Carbon Electrodes. **2020**, 10, 106 5
- 522 Nickel cobalt oxide nanowires-modified hollow carbon tubular bundles for high-performance sodium-ion hybrid capacitors. **2020**, 44, 3883-3892 7
- 521 Carbamazepine degradation by heterogeneous activation of peroxymonosulfate with lanthanum cobaltite perovskite: Performance, mechanism and toxicity. **2020**, 91, 10-21 37
- 520 Aerobic Oxidation of Alcohols Catalyzed by Generated Gold Nanoparticles inside the Channels of Periodic Mesoporous Organosilica with Ionic Liquid Framework. **2020**, 22, 70-79 13
- 519 Designing a 0D/2D S-Scheme Heterojunction over Polymeric Carbon Nitride for Visible-Light Photocatalytic Inactivation of Bacteria. **2020**, 59, 5218-5225 400
- 518 Metal-organic framework-derived mesoporous carbon nanoframes embedded with atomically dispersed Fe active sites for efficient bifunctional oxygen and carbon dioxide electroreduction. **2020**, 267, 118720 78

517	Solvent-Free cycloaddition of carbon dioxide and epichlorohydrin catalyzed by surface-attached imidazolium-type poly(ionic liquid) monolayers. 2020 , 38, 168-176	20
516	Three-dimensional carbonaceous for potassium ion batteries anode to boost rate and cycle life performance. 2020 , 451, 227727	31
515	Rational Design of All-Solid-State 0D/2D Mn _{0.2} Cd _{0.8} S/CeO ₂ Direct Z-Scheme for Photocatalytic Hydrogen Evolution. 2020 , 34, 2599-2611	39
514	Superelastic Triple-Network Polyorganosiloxane-Based Aerogels as Transparent Thermal Superinsulators and Efficient Separators. <i>Chemistry of Materials</i> , 2020 , 32, 1595-1604	9.6 26
513	An iodine-treated metal-organic framework with enhanced catalytic activity for oxygen reduction reaction in alkaline electrolyte. 2020 , 337, 135825	8
512	Exploration of Biomass-Derived Activated Carbons for Use in Vanadium Redox Flow Batteries. 2020 , 8, 9472-9482	9
511	Application of Box-Behnken design in optimization of biodiesel yield using WO ₃ /graphene quantum dot (GQD) system and its kinetics analysis. 2020 , 1	5
510	Utilization of acai stone biomass for the sustainable production of nanoporous carbon for CO ₂ capture. 2020 , 25, e00168	10
509	Interface Coassembly and Polymerization on Magnetic Colloids: Toward Core-Shell Functional Mesoporous Polymer Microspheres and Their Carbon Derivatives. 2020 , 7, 2000443	21
508	Oxygen defect boosted photocatalytic hydrogen evolution from hydrogen sulfide over active {0 0 1} facet in anatase TiO ₂ . 2020 , 517, 146198	15
507	Efficient uptake of phosphorus from water by core@shell bimagnetic nanoadsorbents. 2020 , 8, 103888	6
506	Getting insight into the effect of CuO on red mud for the selective catalytic reduction of NO by NH ₃ . 2020 , 396, 122459	12
505	Integrated 3D electrodes based on metal-nitrogen-doped graphitic ordered mesoporous carbon and carbon paper for high-loading lithium-sulfur batteries. 2020 , 73, 104763	27
504	Porous FeO /carbon nanocomposites with different iron oxidation degree for building high-performance lithium ion batteries. 2020 , 31, 285403	4
503	Fe/N-doped mesoporous carbons derived from soybeans: A highly efficient and low-cost non-precious metal catalyst for ORR. 2020 , 27, 344-355	6
502	Kinetic evaluation of dehydration in MxNa _{96-x} LSX (M= Li ⁺ , Ca ²⁺ and Ag ⁺) zeolites and resulting effects on selective adsorption of N ₂ and O ₂ . 2020 , 301, 110233	5
501	Porous 2D FeS nanosheets as a peroxidase mimic for rapid determination of HO. 2020 , 216, 120995	23
500	Synthesis of mesoporous silica post-loaded by methyl eugenol as an environment-friendly slow-release bio pesticide. 2020 , 10, 6108	8

499	Investigation on the stability of copper modification of SAPO-34 catalysts in NH ₃ -SCR reaction after hydrothermal aging. 2020 , 98, 236-243	0
498	Niobium-Titanium-Based Photocatalysts: Its Potentials for Free Cyanide Oxidation in Residual Aqueous Effluent. 2020 , 8, 99	6
497	Comparison of moisture buffering properties of plasters in full scale simulations and laboratory testing. 2020 , 252, 119033	10
496	Adsorption layer structure on the surface of carbon-silica composite in the presence of proteins of different internal stability and Cu(II) ions The effect on solid aggregation. 2020 , 309, 113072	6
495	NiPt Nanoparticles Anchored onto Hierarchical Nanoporous N-Doped Carbon as an Efficient Catalyst for Hydrogen Generation from Hydrazine Monohydrate. 2020 , 12, 18617-18624	14
494	Synthesis of Bi ₄ Ti ₃ O ₁₂ -BaTiO ₃ nanocomposite, manifesting high dielectric and unique magnetic nature applicable in heterogeneous photocatalytic activity for degradation of Rhodamine B dye. 2021 , 36, 476-491	3
493	Glucose oxidation reaction at palladium-carbon nano-onions in alkaline media. 2021 , 25, 207-217	3
492	Fabrication of HAP/Ag/SSD ternary nanocomposite and its antibacterial properties. 2021 , 97, 138-145	1
491	The fabrication and characterization of bioactive Akermanite/Octacalcium phosphate glass-ceramic scaffolds produced via PDC method. 2021 , 47, 6653-6662	1
490	Combinative influence of graphitic carbon nitride and Halomonas BVR1 bacteria augment the adsorptive recovery of precious Europium. 2021 , 404, 126466	0
489	Removal of uranium from aqueous solutions using amine-functionalized magnetic platelet large-pore SBA-15. 2021 , 58, 29-39	4
488	Influence of low water activity on the thermal resistance of Enteritidis PT30 and as its surrogate in egg powders. 2021 , 27, 184-193	8
487	Toward development of single-atom ceramic catalysts for selective catalytic reduction of NO with NH ₃ . 2021 , 401, 123413	9
486	Two-for-one strategy: Three-dimensional porous Fe-doped CoO cathode and N-doped carbon anode derived from a single bimetallic metal-organic framework for enhanced hybrid supercapacitor. 2021 , 583, 299-309	27
485	Antifungal activity of TiO ₂ -CeO ₂ nanofibers against Candida fungi. 2021 , 283, 128709	7
484	Effect of mesoporous nanocrystalline supports on the performance of the NiCu catalysts in the high-temperature water-gas shift reaction. 2021 , 96, 75-89	6
483	Metal-organic frameworks derived magnetic Fe ₃ O ₄ /C for catalytic transfer hydrogenation of furfural to furfuryl alcohol. 2021 , 96, 639-649	3
482	Rambutan-like hierarchically porous carbon microsphere as electrode material for high-performance supercapacitors. 2021 , 3, 361-374	8

481	Green synthesis of faujasite-La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.8} O _{3-δ} mineral nanocomposite membrane for low temperature advanced fuel cells. 2021 , 46, 9826-9834	3
480	Hydrophobicity-induced electrostatic interfacial self-assembly for porous silica nanospheres with tunable pore sizes and pore hierarchies. 2021 , 405, 126936	4
479	A novel porous carbon derived from CO ₂ for high-efficient tetracycline adsorption: Behavior and mechanism. 2021 , 538, 148110	7
478	One-step synthesis of nitrogen-defective graphitic carbon nitride for improving photocatalytic hydrogen evolution. 2021 , 410, 124594	7
477	Chemoselective hydrogenation of α,β -unsaturated carbonyl compounds using a recyclable Ru catalyst embedded on a bisphosphine based POP. 2021 , 94, 361-367	1
476	Enhanced photocatalytic H ₂ production performance of CdS hollow spheres using C and Pt as bi-cocatalysts. 2021 , 42, 743-752	27
475	Boosting carbonyl sulfide catalytic hydrolysis performance over N-doped Mg-Al oxide derived from MgAl-layered double hydroxide. 2021 , 407, 124546	9
474	Synthesis of δ -MnO ₂ /C assisted with carbon sheets by directly carbonizing from corn stalk for high-performance supercapacitor. 2021 , 285, 129116	6
473	Quantitative analysis of the formation mechanism of tightly bound rubber by using carbon-coated alumina nanoparticles as a model filler. 2021 , 173, 870-879	6
472	MOF-derived porous hierarchical ZnCo ₂ O ₄ microflowers for enhanced performance gas sensor. 2021 , 47, 9214-9224	10
471	Investigation of alumina aerogel structural characteristics at different «precursor-water-ethanol» ratio. 2021 , 553, 120475	5
470	Catalytic degradation of ranitidine using novel magnetic Ti ₃ C ₂ -based MXene nanosheets modified with nanoscale zero-valent iron particles. 2021 , 284, 119720	28
469	Effect of chiral-arrangement on the solar adsorption of black TiO ₂ -SiO ₂ mesoporous materials for photodegradation and photolysis. 2021 , 537, 148025	5
468	Lactone radical transformed methyl mercaptan-adsorbed activated carbon into graphene oxide modified activated carbon. 2021 , 413, 124527	6
467	Electrochemical activation to enhance the volumetric performance of carbon nanotube electrodes. 2021 , 541, 148448	8
466	Bio-inspired hierarchical nanofibrous SnS/C composite with enhanced anodic performances in lithium-ion batteries. 2021 , 860, 157897	11
465	Synthesis, characterization of iron-doped TiO ₂ (B) nanoribbons for the adsorption of As(III) from drinking water and evaluating the performance from the perspective of physical chemistry. 2021 , 322, 114556	4
464	A comparative study between thermal etching and liquid exfoliation of bulk graphitic carbon nitride to nanosheets for the photocatalytic degradation of a model environmental pollutant, Rhodamine B. 2021 , 32, 687-706	4

463	Single and ternary nanocomposite electrodes of Mn ₃ O ₄ /TiO ₂ /rGO for supercapacitors. 2021 , 25, 803-819	5
462	Effect of interlaced energy bands in polymeric carbon nitride nanotubes on the greatly enhanced visible-light photocatalytic hydrogen evolution. 2021 , 417, 127956	6
461	Effect of tannic acid on the dewaterability of dredged sediment and the conditioning mechanism. 2021 , 9, 104899	0
460	Synergistic leaching mechanism of chloride ions for extracting manganese completely from manganese carbonate ores. 2021 , 9, 104918	2
459	Titanium niobate (TiNbO) anchored on nitrogen-doped carbon foams as flexible and self-supported anode for high-performance lithium ion batteries. 2021 , 587, 622-632	11
458	The key role of reduction process in enhancing the properties and catalytic performance of nanoscale copper particles anchored on three-dimensional macroporous graphene. 2021 , 257, 117886	1
457	The spatially oriented redistribute of photogenerated carriers and photocatalytic hydrogen evolution mechanism research on polymeric carbon nitride Van der Waals homojunction. 2021 , 408, 127284	3
456	Melamine-templated TiO ₂ nanoparticles as anode with high capacity and cycling stability for lithium-ion batteries. 2021 , 25, 919-926	7
455	n-p Heterojunction of TiO-NiO core-shell structure for efficient hydrogen generation and lignin photoreforming. 2021 , 585, 694-704	33
454	A tunable amphiphilic Enteromorpha-modified graphene aerogel for oil/water separation. 2021 , 763, 142958	20
453	Batch adsorption process in water treatment. 2021 , 1-24	2
452	Design and preparation of a type of ECe ₂ S ₃ @c-SiO ₂ -coated red pigment with a plum pudding mosaic structure: The effect of pre-sintering temperature on pigment properties. 2021 , 311, 110699	1
451	Cu ₂ O(100) surface as an active site for catalytic furfural hydrogenation. 2021 , 282, 119576	15
450	Extremely efficient and rapidly adsorb methylene blue using porous adsorbent prepared from waste paper: Kinetics and equilibrium studies. 2021 , 402, 123579	42
449	Preparation and Characterization of Porous Carbon from Mixed Leaves for High-Performance Supercapacitors. 2021 , 39, 353-359	6
448	Tailored crystalline order of nascent polyethylene from metallocene supported on confined polystyrene. 2021 , 368, 272-280	2
447	Fibrous mesoporous polymer monoliths: macromolecular design and enhanced photocatalytic degradation of aromatic dyes. 2021 , 12, 2464-2470	1
446	Hybrid carbon spherogels: carbon encapsulation of nano-titania. 2021 , 57, 3905-3908	2

445	Nanoconfined growth of lithium-peroxide inside electrode pores: a noncatalytic strategy toward mitigating capacity/rechargeability trade-off in lithium-air batteries. 2021 , 2, 1302-1312	2
444	Boosting NH ₃ production from nitrate electroreduction via electronic structure engineering of Fe ₃ C nanoflakes.	5
443	Mesoporous Titania as a Support of Gallium-Based Catalysts for Enhanced Ethane Dehydrogenation Performance. 2021 , 151, 2748-2761	2
442	Transparent, ultraflexible, and superinsulating nanofibrous biocomposite aerogels via ambient pressure drying. 2021 , 9, 5769-5779	3
441	Synthesis of iron and vanadium co-doped mesoporous cobalt oxide: An efficient and robust catalysts for electrochemical water oxidation. 2021 , 45, 9422-9437	4
440	Carbon-Based Printable Perovskite Solar Cells with a Mesoporous TiO ₂ Electron Transporting Layer Derived from Metal-Organic Framework NH ₂ -MIL-125. 2021 , 9, 2000957	3
439	Enhanced photocatalytic degradation of methyl orange by coconut shell-derived biochar composites under visible LED light irradiation. 2021 , 28, 27457-27473	6
438	Fluorescence and biological stabilization of phosphorus-functionalized mesoporous silica nanospheres modified with a bis(8-hydroxyquinoline) zinc complex.	0
437	Anchoring porous carbon nanoparticles on carbon nanotubes as a high-performance composite with a unique core-sheath structure for electromagnetic pollution precaution.	11
436	High rhodamine B and methyl orange removal performance of graphene oxide/carbon nanotube nanostructures. 2021 , 34, 184-193	4
435	Green and Phytogenic Fabrication of Co-Doped SnO ₂ Using Aqueous Leaf Extract of Tradescantia spathacea for Photoantioxidant and Photocatalytic Studies. 2021 , 11, 120-135	8
434	Washnut Seed-Derived Ultrahigh Surface Area Nanoporous Carbons as High Rate Performance Electrode Material for Supercapacitors. 2021 , 94, 565-572	4
433	Activated carbon/attapulgitite composites for radon adsorption. 2021 , 285, 129177	2
432	Pt nanoparticles supported on nitrogen-doped porous carbon as efficient oxygen reduction catalysts synthesized via a simple alcohol reduction method. 2021 , 3, 1	2
431	Direct Heterogenization of the Ru-Macho Catalyst for the Chemoselective Hydrogenation of α -Unsaturated Carbonyl Compounds. 2021 , 60, 6881-6888	6
430	Photocatalytic Nitrogen Reduction by Ti ₃ C ₂ MXene Derived Oxygen Vacancy-Rich C/TiO ₂ . 2021 , 5, 2000282	16
429	Tetraphenylpyrazine-Based Luminescent Metal-Organic Framework for Chemical Sensing of Carcinoids Biomarkers. 2021 , 13, 6421-6429	13
428	Tuning MOF-Derived Co ₃ O ₄ /NiCo ₂ O ₄ Nanostructures for High-Performance Energy Storage. 2021 , 4, 1537-1547	17

427	Synthesis of MnO/C/NiO-Doped Porous Multiphase Composites for Lithium-Ion Batteries by Biomined Mn Oxides from Engineered Cells. 2021 , 11,	3
426	Preparation of a Bimetallic NiFe-MOF on Nickel Foam as a Highly Efficient Electrocatalyst for Oxygen Evolution Reaction. 2021 , 6, 1320-1327	6
425	Promoting the synergistic effect of sulfur immobilization and polysulfides trapping by nitrogen functionalized interconnected hollow carbon nanocages for high-performance lithium-sulfur batteries. 2021 , 486, 229358	16
424	Hollow Molybdate Microspheres as Catalytic Hosts for Enhancing the Electrochemical Performance of Sulfur Cathode under High Sulfur Loading and Lean Electrolyte. 2021 , 31, 2010693	25
423	Stable core-shell ZIF-8@ZIF-67 MOFs photocatalyst for highly efficient degradation of organic pollutant and hydrogen evolution. 2021 , 36, 602-614	13
422	Growth of lithium iron silicates nanoplates with high energy facets via polymorphs transition for enhanced lithium-ion extraction/insertion reaction. 2021 , 14, 2151015	1
421	Preparation of Highly Pyrrolic-Nitrogen-Doped Carbon Aerogels for Lithium-Sulfur Batteries. 2021 , 8, 895-902	3
420	Facile synthesis of efficient heterogeneous photocatalytic and highly dielectric Bi ₄ BaTi ₄ O ₁₅ ceramic with remarkable applicability in the degradation of rhodamine B dye. 1-18	
419	Fabrication of black phosphorus nanosheets/BiOBr visible light photocatalysts via the co-precipitation method. 2021 , 612, 125967	8
418	Synthesis of Au/Uio-66-NH ₂ /Graphene composites as efficient visible-light photocatalysts to convert CO ₂ . 2021 , 46, 11621-11635	10
417	On the geometric trajectories of pores during the thermal sintering of relevant catalyst supports. 2021 , 194, 113679	2
416	Decomposition of gaseous chlorobenzene using a DBD combined CuO/FeO catalysis system. 2021 , 1-12	3
415	Re-use of wasted sludge to treat industrial pollutants. 2021 , 232, 1	
414	Synthesis and characterization of different binary and ternary phase mixtures of mesoporous nanocrystalline titanium dioxide. 2021 , 3, 1	2
413	Production of biodiesel from waste cooking oil using ZnCuO/N-doped graphene nanocomposite as an efficient heterogeneous catalyst. 2021 , 14, 102982	19
412	Controllable synthesis of ZnFe ₂ O ₄ sub-microparticles by poly (diallyldimethylammonium chloride)-assisted solvothermal method. 2021 , 28, 1	2
411	Biochar of Spent Coffee Grounds as Per Se and Impregnated with TiO ₂ : Promising Waste-Derived Adsorbents for Balofloxacin. 2021 , 26,	8
410	Effectively removing tetracycline from water by nanoarchitected carbons derived from CO: Structure and surface chemistry influence. 2021 , 195, 110883	3

409	Hydrogen adsorption properties of carbide-derived carbons at ambient temperature and high pressure. 2021 , 46, 15761-15772	3
408	Surface characteristics of porous carbon derived from genetically designed transgenic hybrid poplar for electric double-layer capacitors. 2021 , 545, 148978	7
407	In situ growth of the ZIF-8 on the polymer monolith via CO ₂ -in-water HIPEs stabilized using metal oxide nanoparticles and its photocatalytic activity. 2021 , 32, 3194-3204	0
406	Hierarchical porous mussel shells as soil amendment for oil spill remediation. 2021 , 1-9	1
405	Tentacle-type poly(hydroxamic acid)-modified macroporous cellulose beads: Synthesis, characterization, and application for heavy metal ions adsorption. 2021 , 1645, 462098	4
404	Mesoporous CdZnS with abundant surface defects for efficient photocatalytic hydrogen production. 2021 , 589, 25-33	11
403	Selective adsorption of uranium from aqueous solution by mesoporous polymer-carbon composites containing phosphate groups. 2021 , 15, 100441	0
402	Quantitative relationship between the density and structural unit of alpha alumina prepared from gibbsite and boehmite. 2021 , 47, 14464-14474	1
401	Synergistic Effect of NiLDH@YZ Hybrid and Mechanochemical Agitation on Glaser Homocoupling Reaction. 2021 , 27, 8875-8885	4
400	Pristine and Poly(Dimethylsiloxane) Modified Multi-Walled Carbon Nanotubes as Supports for Lipase Immobilization. 2021 , 14,	4
399	Ionic Liquids Grafted Mesoporous Silica for Chemical Fixation of CO ₂ to Cyclic Carbonate: Morphology Effect. 1	3
398	Hydrothermal synthesis of ultrafine SnO ₂ nanospheres: effect of reaction time on physical properties. 2021 , 136, 1	1
397	Solar-driven low-temperature reforming of methanol into hydrogen via synergetic photo- and thermocatalysis. 2021 , 84, 105953	6
396	Oxidation resistance, residual strength, and microstructural evolution in Al ₂ O ₃ -MgO refractory composites with YAG nanopowder. 2021 , 41, 3782-3797	5
395	Conjugated Cross-linked Phenothiazines as Green or Red Light Heterogeneous Photocatalysts for Copper-Catalyzed Atom Transfer Radical Polymerization. 2021 , 143, 9630-9638	18
394	Isotherm, kinetics, thermodynamics studies and effects of carbonization temperature on adsorption of Indigo Carmine (IC) dye using <i>C. odorata</i> biochar. 2021 , 33, 100673	12
393	Rational design and synthesis of hydrotalcite-like β -Co(OH) ₂ nanoflakes for extrinsic pseudocapacitive electrodes with superb cycling stability. 2021 , 38, 102579	4
392	Fresh and hardened properties of alkali-activated fly ash/slag binders: effect of fly ash source, surface area, and additives. 1-24	2

391	Facile synthesis of porous CoFe ₂ O ₄ /graphene aerogel for catalyzing efficient removal of organic pollutants. 2021 , 775, 143398	10
390	Structure and photocatalytic performance comparison of two distinctive copper phenylacetylides. 2021 , 35, e6352	
389	Comparative study for marine antifouling agents based on natural sarcophine product and ZnO nanomaterials. 2021 , 47, 191-197	2
388	Enhanced nitrogen adsorption capacity on Ca ²⁺ ion-exchanged hierarchical X'zeolite. 2021 , 264, 118442	5
387	Effect of amount of additional water during ionothermal synthesis process on physicochemical properties of vanadium phosphate catalyst material. 2021 , 298, 122119	1
386	Synthesis of Flower-Like Nb ₂ Se ₉ as High-Performance Anode Materials for Lithium-Ion and Sodium-Ion Batteries. 2021 , 35, 11563-11571	0
385	Shape-stabilized composite phase change material PEG@TiO ₂ through in situ encapsulation of PEG into 3D nanoporous TiO ₂ for thermal energy storage. 2021 , 170, 27-37	11
384	CeO ₂ nanoparticles dispersed on CoAl-LDH hexagonal nanosheets as 0D/2D binary composite for enhanced photocatalytic hydrogen evolution. 2021 , 24, 101105	9
383	A primary understanding of field emission from superhigh specific surface area activated carbon with interconnection structure. 2021 , 553, 149583	0
382	Fabrication, Modification, and Characterization of Lignin-Based Electrospun Fibers Derived from Distinctive Biomass Sources. 2021 , 13,	5
381	Preparation of Pt supported on mesoporous MgAl oxide catalysts for efficient dehydrogenation of methylcyclohexane. 2021 , 46, 25513-25519	3
380	Evolution mechanism of transition metal in NH-SCR reaction over Mn-based bimetallic oxide catalysts: Structure-activity relationships. 2021 , 413, 125361	9
379	NiMoO@NiMnCoO Heterostructure: A Poly(3,4-propylenedioxythiophene) Composite-Based Supercapacitor Powers an Electrochromic Device. 2021 , 13, 34518-34532	5
378	Preparation and Characterization of Physicochemical Properties of Spruce Cone Biochars Activated by CO. 2021 , 14,	4
377	ZnCDs/ZnO@ZIF-8 Zeolite Composites for the Photocatalytic Degradation of Tetracycline. 2021 , 11, 934	5
376	Study on characterization of Ni/N-rGO catalyst and its hydrogenation performance of phenol. 2021 , 49, 1042-1048	0
375	Low-temperature combustion synthesis method to prepare Na ⁺ -doped ultrafine micron-sized ECe ₂ S ₃ bright red pigments. 2021 , 299, 122146	0
374	Structural and optical properties of transition metal ion-doped ordered mesoporous TiO ₂ prepared by chelating-assisted evaporation induced self-assembly method. 2021 , 33, 101469	0

373	Mesoporous Fe-Nx-C Sub-Microspheres for Highly Efficient Electrocatalytic Oxygen Reduction Reaction. 2021 , 13, 4047-4054	1
372	Kinetic modeling and experimental study of photocatalytic process using graphene oxide/TiO ₂ composites. A case for wastewater treatment under sunlight. 2021 , 133, 1141	4
371	Synthesis of magnetically recyclable porous CoFe ₂ O ₄ /Rh composites with large BET surface area for enhanced photocatalytic degradation of organic pollutant. 2021 , 47, 18140-18149	7
370	A novel design of porous Cr ₂ O ₃ @ZnO nanocomposites as highly efficient photocatalyst toward degradation of antibiotics: A case study of ciprofloxacin. 2021 , 266, 118588	14
369	Confined structure regulations of molybdenum oxides for efficient tumor photothermal therapy. 2021 , 64, 3087	1
368	Green fluorescent protein based whole cell bacterial biosensor for the detection of bioavailable heavy metals in soil environment. 2021 , 23, 101785	4
367	Direct Z-scheme FeV ₂ O ₄ /g-C ₃ N ₄ Binary Catalyst for Highly Selective Reduction of Carbon Dioxide. 2021 , 132051	0
366	Synthesis and Photocatalytic Properties of Three-Dimensional Mesoporous Titanium Dioxide. 2021 , 16,	1
365	Characteristics of MSWI fly ash with acid leaching treatment. 2021 , 49, 1208-1218	2
364	Corn cob Derived Porous Carbon Anode for Long-Term Cycling in Low-Cost Lithium Storage. 2022 , 19,	0
363	Cold plasma for preparation of Pd/C catalysts toward formic acid dehydrogenation: Insight into plasma working gas. 2021 , 400, 338-346	5
362	Enthalpy-change driven synthesis of high-entropy perovskite nanoparticles. 1	3
361	Fast removal of Congo red from aqueous solution by adsorption onto micro/nanostructured NiO microspheres. 2021 , 270, 115228	2
360	Gas phase self-assembly of carbon confined Fe _{1-x} S nanoparticles/exfoliated graphite composite with nano-/micro-structure for long-life anode of potassium-ion batteries. 2021 , 871, 159522	2
359	The modified polythiophene-Cu NPs composites for Pb(II) ions removal from aqueous solution. 2022 , 139, 51489	0
358	Effect of surface treatment technique on properties and performance of Na ₂ WO ₄ -TiO ₂ -MnO _x /SiO ₂ for oxidative coupling of methane. 2021 , 96, 3101	0
357	Photocatalytic degradation of humic acid using a novel visible-light active Fe ₂ O ₃ /NiS ₂ composite photocatalyst. 2021 , 9, 105682	4
356	Study on clogging mechanisms of constructed wetlands from the perspective of wastewater electrical conductivity change under different substrate conditions. 2021 , 292, 112813	3

355	Catalytic reduction of CO ₂ by Al ₃ N-CNTs composite for synthesizing formic acid. 2021 , 46, 29960-29971	1
354	Spray drying encapsulation of CD-MOF nanocrystals into Eudragit [®] RS microspheres for sustained drug delivery. 2021 , 64, 102593	3
353	Magnetic Switchable Pickering Interfacial Biocatalysis: One-Pot Cascade Synthesis of Phytosterol Esters from High-Acid Value Oil. 2021 , 9, 12070-12078	3
352	Novel preparation of binder-free Y/ZSM-5 zeolite composites for VOCs adsorption. 2021 , 417, 129172	8
351	Self-templated poly schiff base-Fe derived Fe-N co-doped porous carbon nanosheets for efficient electrocatalysis. 2021 , 430, 132315	0
350	Lightweight, flexible, and heat-insulated phenolic impregnated carbon ablator (PICA) with adjustable flexibility and high compressive resilience property. 2022 , 139, 51712	3
349	In-situ Construction of Ultra-Thin Graphitic Carbon Nitride Supported Lanthanum Oxide Nanosheet Heterostructures with Enhanced Photocatalytic Hydrogen Evolution Activity.	
348	Sorption of Coated and Uncoated Nanocrystalline Zinc Oxide from Aqueous Solutions onto Raw and Acetylated Cellulose Sago Hampas: Equilibrium, Kinetic and Thermodynamic Studies. 411, 37-54	1
347	Preparation of Mn-Fe Oxide by a Hydrolysis-Driven Redox Method and Its Application in Formaldehyde Oxidation. 2021 , 6, 23274-23280	3
346	Microwave-Enabled Size Control of Iron Oxide Nanoparticles on Reduced Graphene Oxide. 2021 , 37, 11131-11141	0
345	Design of Self-Supported Flexible Nanostars MFe-LDH@ Carbon Xerogel-Modified Electrode for Methanol Oxidation. 2021 , 14,	3
344	A New Generation of Energy Harvesting Devices.	
343	A novel mesoporous Hydroxyapatite@Montmorillonite hybrid composite for high-performance removal of emerging Ciprofloxacin antibiotic from water: Integrated experimental and Monte Carlo computational assessment. 2021 , 338, 116705	5
342	Carbon nitrideBased cuprous catalysts induced nonradical-led oxidation by peroxydisulfate: Role of cuprous and dissolved oxygen. 2021 , 419, 129667	4
341	Green in-situ incorporation of metals in chabazite (CHA) zeolite. 2021 , 326, 111375	1
340	Degradation of sulfamerazine by a novel CuO@C composite derived from Cu-MOFs under air aeration. 2021 , 280, 130678	1
339	Ascorbic acid-assisted hydrothermal route to create mesopores in polymeric carbon nitride for increased photocatalytic hydrogen generation. 2021 ,	3
338	Assessing the contribution of micropores and mesopores from nitrogen adsorption on nanoporous carbons: Application to pore size analysis. 2021 , 183, 150-157	7

337	Sustainable nano fibrillated cellulose supported in situ biogenic Pd nanoparticles as heterogeneous catalyst for C-C cross coupling reactions. 2021 , 23, 100502	0
336	Facile synthesis of a rod-like porous carbon framework confined magnetite nanoparticle composite for superior lithium-ion storage. 2021 , 600, 602-612	3
335	Kinetic study and modeling on the regeneration of Li ₄ SiO ₄ -based sorbents for high-temperature CO ₂ capture. 2021 , 222, 106976	1
334	Highly selective electrochemiluminescence aptasensor coupled with mesoporous Fe ₃ O ₄ @Cu@Cu ₂ O as co-reaction accelerator for ATP assay based on target-triggered emitter release. 2021 , 346, 130581	5
333	Mesoporous ball-milling iron-loaded biochar for enhanced sorption of reactive red: Performance and mechanisms. 2021 , 290, 117992	4
332	In-situ synthesis of highly dispersed Cu-Cu _x O nanoparticles on porous carbon for the enhanced persulfate activation for phenol degradation. 2021 , 276, 119260	14
331	Catalytic degradation of antibiotic by Co nanoparticles encapsulated in nitrogen-doped nanocarbon derived from Co-MOF for promoted peroxymonosulfate activation. 2022 , 429, 132269	2
330	Deep oxidation of gaseous formaldehyde at room-temperature by a durable catalyst formed through the controlled addition of potassium to platinum supported on waste eggshell. 2022 , 428, 131177	10
329	Thermocatalytic oxidation of gaseous benzene by a titanium dioxide supported platinum catalyst. 2022 , 428, 131090	4
328	Preparation of flexible Pt/TiO ₂ /Al ₂ O ₃ nanofiber paper for room-temperature HCHO oxidation and particulate filtration. 2022 , 427, 130951	4
327	Transparent silica aerogel slabs synthesized from nanoparticle colloidal suspensions at near ambient conditions on omniphobic liquid substrates. 2022 , 606, 884-897	1
326	Anchoring of 10-phenylphenothiazine to mesoporous silica materials: A water compatible organic photocatalyst for the degradation of pollutants. 2022 , 103, 134-143	2
325	Facile preparation of a phenyl-reinforced flexible silica aerogel with excellent thermal stability and fire resistance.	2
324	High Performance of Fly Ash Derived Li ₄ SiO ₄ -Based Sorbents for High Temperature CO ₂ Capture. 2021 , 11, 1-17	
323	Fused Aromatic Network with Exceptionally High Carrier Mobility. 2021 , 33, e2004707	6
322	Thermal annealing effects on hydrothermally synthesized unsupported MoS ₂ for enhanced deoxygenation of propylguaiacol and kraft lignin.	2
321	Preparation of Porous Materials Derived from Waste Mussel Shell with High Removal Performance for Tableware Oil. 2021 , 9, 1869-1881	0
320	Influence of diamine rigidity and dianhydride rigidity on the microstructure, thermal and mechanical properties of cross-linked polyimide aerogels. 2021 , 28, 717-725	

319	Protective interlayer for trapping polysulfides and a conducting host for sulfur: dual role of candle soot carbon for the development of high performance lithium-sulfur batteries. 2021 , 2, 3031-3041	3
318	Porous nickel oxide derived from Ni(OH) ₂ : preparation, characterization, and catalytic applications. 2021 , 4, 803-809	1
317	Synthesis of papain-polyacrylamide hydrogel microspheres and their catalytic application. 2021 , 45, 16696-16704	
316	Pd Nanoparticles-Loaded Honeycomb-Structured Bio-nanocellulose as a Heterogeneous Catalyst for Heteroaryl Cross-Coupling Reaction. 2021 , 9, 954-966	9
315	Fabrication of direct Z-scheme black phosphorus nanosheets/Ag ₂ CO ₃ heterojunction photocatalyst with enhanced stability and visible light photocatalytic activity. 2021 , 56, 8060-8078	3
314	Microbe-Assisted Assembly of TiCT MXene on Fungi-Derived Nanoribbon Heterostructures for Ultrastable Sodium and Potassium Ion Storage. 2021 , 15, 3423-3433	81
313	Synthesis and Characterization of Nanoporous Carbon and its Electrochemical Application to Electrode Material for Supercapacitors. 2007 , 139-195	8
312	Synthesis, performance and working mechanism of a novel amphoteric polycarboxylate dispersant without chlorine ion. 2020 , 247, 118613	6
311	Assessment of catalytic activities of selected iron hydroxysulphates biosynthesized using Acidithiobacillus ferrooxidans for the degradation of phenol in heterogeneous Fenton-like reactions. 2017 , 185, 83-93	22
310	Partially charged platinum on aminated and carboxylated SBA-15 as a catalyst for alkene hydrosilylation.. 2020 , 10, 3175-3183	4
309	Controlled synthesis of three dimensional hierarchical graphene nanostructures from metal complexes as an anode material for lithium-ion batteries. 2020 , 22, 3608-3617	6
308	Influence of the reaction time on the physical-chemical and catalytic properties of vanadium phosphate catalysts prepared by a eutectic mixture. 2019 , 14, 1126-1130	1
307	Preparation of functionalised UiO-66 metal-organic frameworks (MOFs) nanoparticles using deep eutectic solvents as a benign medium. 2020 , 15, 1075-1078	2
306	ZIF-67 Derived Cu-Doped Electrocatalyst for Oxygen Reduction Reaction. 2021 , 18,	8
305	Engineering mesoporous silica for superior optical and thermal properties. 2020 , 7, 1	6
304	Self-Supporting Hybrid Supercapacitor Electrodes Based on Carbon Nanotube and Activated Carbons. 2018 , 20, 169	3
303	Soft-templating synthesis of nanoporous carbons with incorporated alumina nanoparticles. 2009 , 64,	1
302	Influence of Carbon Uniformity on Its Characteristics and Adsorption Capacities of CO ₂ and CH ₄ Gases. 2021 , 11, 265	1

301	Aging dependent phase transformation of mesostructured titanium dioxide nanomaterials prepared by evaporation-induced self-assembly process: Implications for solar hydrogen production. 2015 , 2, 230-242	3
300	Determination of Fractal Dimension and Surface Characterization of Metal Nano-powder Using Nitrogen Gas Adsorption Method. 2007 , 14, 391-398	1
299	Preparation of Mesoporous SiCBN Ceramic Templated by Mesoporous Carbon. 2007 , 44, 358-361	1
298	A Study of the Optimum Pore Structure for Mercury Vapor Adsorption. 2011 , 32, 1507-1510	5
297	Conducting Polymer-Silica Composites for Immobilization of Enzymes. 2012 , 33, 1593-1596	6
296	Facile Synthesis of ZnO Nanoparticles and Their Photocatalytic Activity. 2014 , 35, 2004-2008	4
295	Mono- and di-valent ion exchange of mordenite membranes for dehydration of acetic acid by pervaporation. 2022 , 643, 119998	0
294	Role of Oil Palm Empty Fruit Bunch-Derived Cellulose in Improving the Sonocatalytic Activity of Silver-Doped Titanium Dioxide. 2021 , 13,	
293	Green Synthesis of Zinc Oxide Nanoparticles Using Leaf Extract and Their Photocatalytic and Antifungal Activities. 2021 , 10,	13
292	Monolithic Carbon Spherogels as Freestanding Electrodes for Supercapacitors. 2021 , 4, 11183-11193	1
291	Single step preparation of activated biocarbons derived from pomegranate peels and their CO ₂ adsorption performance. 2021 , 160, 105338	4
290	Synthesis and characterisation of an ultra-light, hydrophobic and flame-retardant robust lignin-carbon foam for oil-water separation. 2021 , 325, 129263	8
289	Thermocatalytic oxidation of a three-component mixture of volatile organic compounds by a titanium dioxide-supported platinum catalyst. 2021 , 325, 129279	3
288	Enhanced H ₂ evolution via photocatalytic water splitting using mesoporous TiO ₂ /RuO ₂ /CuO ternary nanomaterial. 2021 , 8, 100076	1
287	The organic geochemistry, pore structure and methane adsorption/storage capacity of lacustrine shales from the Cretaceous Madongshan Formation, Liupanshan Basin, China. 2021 , 96, 104287	2
286	Microstructure of Nitrogen and Sulfur Co-doped Mesoporous TiO ₂ Film and its Photocatalytic Activity. 2009 , 24, 909-914	1
285	Ordered Ferrocene-containing Mesoporous Materials with Tailor-made Pore Size. 2010 , 47, 325-329	
284	Self-Assembly of Metal Oxides - Liquid Phase Crystal Deposition of Anatase TiO ₂ Particles and Their Change in Surface Area. 13-20	

283	Synthesis and Electrochemical Properties of Nitrogen Doped Mesoporous TiO ₂ Nanoparticles as Anode Materials for Lithium-ion Batteries. 2012 , 18, 177-182	1
282	Effect of pH and zinc stress on micropore system of rye roots. 2012 , 26, 311-316	
281	The Effects of Genre-based Instruction on ESP Learners Reading Comprehension. 2013 , 3,	1
280	Nanocomposites: Future Trends and Perspectives Towards Affinity Biosensor. 2017 , 319-359	
279	Biomimetic Morphology Control of Metal Oxides and Their Site-Selective Immobilization. 2017 , 47-87	
278	Multifunctional, Robust, and Porous PHBV-GO/MXene Composite Membranes with Good Hydrophilicity, Antibacterial Activity, and Platelet Adsorption Performance. 2021 , 13,	3
277	Plasmonic Ag nanoparticles decorated copper-phenylacetylide polymer for visible-light-driven photocatalytic reduction of Cr(VI) and degradation of PPCPs: Performance, kinetics, and mechanism.. 2021 , 425, 127599	3
276	Synthesis of hierarchical SAPO-34 zeolites with tuned mesopore structure for methanol to olefins (MTO) reaction using polyethylene glycol as a soft template. 2021 , 100, 286	1
275	Mechanical properties of ordered mesoporous oxides thin films. 1	0
274	Direct Etherification Reaction of Glycerol Using Alkali Metal Cation (Li ⁺ , Na ⁺ and K ⁺) Containing X-Type Zeolites as Heterogeneous Catalysts: Optimization of the Reaction Conditions. 2021 , 11, 1323	2
273	High performance of gas sensor based on Bi-doped ZnSnO ₃ /CuO nanocomposites for acetone. 2021 , 329, 111532	3
272	Evaluation of hydroxyapatite texture using CTAB template and effects on protein adsorption. 2021 , 27, 101565	1
271	N-doped porous carbocatalyst engineering via modulating the crystalline size of ZIF-8 for continuous H ₂ S selective oxidation. 2021 , 25, 101228	1
270	The Effect of the Water Precursor Ratio on the Structural Characteristics of Alumina Aerogels. 2020 , 14, 1229-1235	0
269	CuCo ₂ O ₄ nanoparticles wrapped in a rGO aerogel composite as an anode for a fast and stable Li-ion capacitor with ultra-high specific energy.	0
268	Polymer-templated mesoporous lithium titanate microspheres for high-performance lithium batteries.. 2022 , 3, 362-372	4
267	Site orientation, accessibility, and surface hydrophobicity control on AFC polymer to increase hexavalent chromium removal performance. 2021 , 133368	
266	Preparation of molecularly imprinted resin/polydopamine nanofibers mat for the highly efficient extraction and determination of sulfonamides in environmental water. 2021 , 188, 405	0

265	Highly piezocatalysis of metal-organic frameworks material ZIF-8 under vibration. 2021 , 283, 120159	9
264	Chemically Cross-Linked Poly(β -Cyclodextrin) Particles as Promising Drug Delivery Materials.	0
263	Effect of different introduction methods of cerium and tin on the properties of titanium-based catalysts for the selective catalytic reduction of NO by NH ₃ . 2021 , 613, 320-336	0
262	Removal of Cr(VI) by polyaniline embedded polyvinyl alcohol/sodium alginate beads - Extension from water treatment to soil remediation. 2021 , 127809	3
261	Processing and properties of water-absorbing zeolite-based porous ceramics. 2022 , 59, 94	1
260	Converting waste polystyrene foam into new value-added materials: A large-capacity scavenger to remove cationic dyes and heavy metals. 51868	1
259	High-performance asymmetric supercapacitor achieved by CoS ₂ nanoparticles decorated polyaniline functionalized SBA-15-derived mesoporous nitrogen-doped carbon with rod-like architectures. 2021 , 162773	1
258	Layered-Template Synthesis of Graphene-like Fe-N-C Nanosheets for Highly Efficient Oxygen Reduction Reaction.	1
257	Reactive adsorption and catalytic oxidation of gaseous formaldehyde at room temperature by a synergistic copper-magnesium bimetal oxide biochar composite. 2021 , 433, 133497	1
256	N-doped porous carbon prepared from filter paper for CO ₂ capture. 2022 , 787, 139275	1
255	Highly visible-light active, eco-friendly artificial enzyme and 3D Bi ₄ Ti ₃ O ₁₂ biomimetic nanocomposite for efficient photocatalytic tetracycline hydrochloride degradation and Cr(VI) reduction. 2022 , 434, 134491	2
254	Soft-templating routes for the synthesis of mesoporous tantalum phosphates and their catalytic activity in glycerol dehydration and carbonylation reactions. 2022 , 518, 112074	1
253	A facile strategy for one-step hydrothermal preparation of porous hydroxyapatite microspheres with core-shell structure. 2022 , 17, 320-320	0
252	Supported copper on a diamide-diacid-bridged PMO: an efficient hybrid catalyst for the cascade oxidation of benzyl alcohols/Knoevenagel condensation.. 2021 , 12, 437-450	2
251	Enhanced removal of low-concentration methyl mercaptan by synergetic effect between surface functional group and metallic site. 2022 , 28, 101663	
250	Eco-friendly hierarchical porous palygorskite/wood fiber aerogels with smart indoor humidity control. 2022 , 335, 130367	0
249	Fabrication of highly porous, functional cellulose-based microspheres for potential enzyme carriers.. 2021 , 199, 61-61	1
248	Assessing the performance of coral reef-like floc towards the removal of low molecular weight organic contaminant.. 2021 , 811, 152413	0

247	Honeycomb-like holey CoO membrane triggered peroxymonosulfate activation for rapid degradation of organic contaminants.. 2021 , 814, 152698	4
246	Alkali-free synthesis of hexagonal star-like Fe-ethylene glycol (Fe-EG) complex and subsequently decomposition to γ -Fe ₂ O ₃ and Fe ₃ O ₄ / γ -Fe/C composites. 2022 , 555, 111429	1
245	Self-cleaning durability assessment of TiO ₂ /SiO ₂ photocatalysts coated concrete: Effect of indoor and outdoor conditions on the photocatalytic activity. 2022 , 211, 108743	4
244	Structural design of Ni-silicate/CNT hybrid films as anode materials for highly reversible lithium and sodium storage. 2022 , 31, e00375	1
243	Degradation of the mixed organic solvents of tributyl phosphate and n-dodecane by heterogeneous Fenton-like oxidation using nanoscale zero-valent iron as the catalyst.. 2021 , 292, 133449	0
242	Synthesis of Nanotubes from Mesoporous Nanocrystalline Titanium Dioxide. 2022 , 57, 761	
241	High-Throughput Production of Cheap Mineral-Based Heterostructures for High Power Sodium Ion Capacitors. 2110476	12
240	Photocatalytic destruction of volatile aromatic compounds by platinumized titanium dioxide in relation to the relative effect of the number of methyl groups on the benzene ring.. 2022 , 822, 153605	4
239	Designed 3D heterostructure with 0D/1D/2D hierarchy for low-frequency microwave absorption in the S-band. 2022 , 10, 1470-1478	4
238	Functionalized mesoporous silica liquid crystal epoxy resin composite: an ideal low-dielectric hydrophobic material. 2022 , 57, 1156-1173	0
237	Reductive Carbonylation of Nitroarenes Using a Heterogenized Phen-Pd Catalyst.. 2022 ,	0
236	Design and Preparation of Graphene/Fe ₂ O ₃ Nanocomposite as Negative Material for Supercapacitor. 1	1
235	Investigation on the Effect of Highly Active Ni/ZrO ₂ Catalysts Modified by MgO-Nd ₂ O ₃ Promoters in CO ₂ Methanation at Low Temperature Condition. 2022 , 7,	
234	Structural design and mechanism analysis of hierarchical porous carbon fibers for advanced energy and environmental applications. 2021 , 10, 10-49	1
233	Nano-sized mesoporous biochar derived from biomass pyrolysis as electrochemical energy storage supercapacitor. 2022 , 5, 99-109	1
232	Heteroatom-Anchored Porous Carbon as Efficient Electrocatalyst for Oxygen Reduction Reaction.	1
231	Reduction wastewater discharge in second-generation acetone-butanol-ethanol (ABE) fermentation process by adsorptive removal of organic acids toward the broth recycling system. 2022 , 337, 130573	2
230	Highly robust and efficient MnZnFe ₂ O ₄ decorated fibrous KCC-SiO ₂ catalyst for the synthesis of light olefins from syngas.	0

- 229 Evaluation of dithiadamide-based molecular ion imprinted polymer (MIIP) for selective recovery of platinum from acid-digested spent automobile catalytic converter (ACC) solution. 1 0
- 228 Surprisingly highly reactive silica that dissolves rapidly in dilute alkali (NaOH) solution even at ambient temperatures (25 °C). **2022**, 341, 130779 0
- 227 Insight into the action of magnetite loaded with nano Ni/Fe bimetallic particles (Ni₄/Fe@Fe₃O₄) toward carbon tetrachloride degradation in aqueous solution. **2022**, 46, 102640 0
- 226 HPO activation mediated the iron phase transformation and enhanced the removal of bisphenol A on iron carbide-loaded activated biochar.. **2022**, 300, 118965 0
- 225 N-doped porous carbons derived from Zn-porphyrin-MOF.. **2022**, 12, 5979-5989 0
- 224 Nanocrystalline Feni Alloy Powder Prepared by Electrolytic Synthesis; Characterization and its High Efficiency in Removing Polluted Dye from Aqueous Solution. 0
- 223 Tribo-Electro-Catalytic Nitrogen Fixation Directly from Natural Air Through BaTiO₃ Nanofibers Harvesting Friction Energy. 0
- 222 Visible light assisted enzyme-photocatalytic cascade degradation of organophosphorus pesticides. **2022**, 1 1
- 221 Development and Characterization of Composite Desiccant Impregnated with LiCl for Thermoelectric Dehumidifier (TED). **2022**, 15, 1778 0
- 220 Tuning the Catalytic Activity of Recyclable Heterogeneous Catalysts for the Direct Etherification Reaction of Glycerol Using Antagonistic Additives. **2022**, 12, 220 1
- 219 Enhanced electrochemical hydrogen peroxide production from surface state modified mesoporous tin oxide catalysts. 0
- 218 Cu₂O₃ nanoparticles supported on ordered mesoporous silica for the catalytic hydrogenation of cinnamaldehyde. **2022**, 25, 1-14 0
- 217 Harnessing AdsorptionCatalysis Synergy: Efficient Oxidative Removal of Gaseous Formaldehyde by a Manganese Dioxide/MetalOrganic Framework Nanocomposite at Room Temperature. 2107922 2
- 216 Ball-milled bismuth oxychloride/biochar nanocomposites with rich oxygen vacancies for reactive red-120 adsorption in aqueous solution. **2022**, 4, 1 1
- 215 Heteroatom-Doped Carbon-Encapsulated FeP Nanostructure: A Multifunctional Electrocatalyst for Zinc-Air Battery and Water Electrolyzer.. **2022**, 1 1
- 214 Eco-benign Synthesis, Characterization of CdS-QDs/Casein Bionanocomposite Towards Anti-microbial, Anti-hemolytic and Cytotoxicity in A549 & MCF-7 Cells. 1 0
- 213 Novel monolithic yttria-alumina aerogel with low thermal conductivity made from inorganic precursors. **2022**, 1 1
- 212 Role of Silica Intra-wall Microporosity on Abiraterone Acetate Solubilization and Oral Absorption.. **2022**, 0 0

211	Synthesis of hollow mesoporous silica spheres functionalized with copper ferrocyanide and its application for Cs removal.. 2022 , 1	0
210	Tribo-electro-catalytic dye degradation driven by mechanical friction using MOF-derived NiCo ₂ O ₄ double-shelled nanocages. 2022 , 345, 131060	6
209	Review Strategic Design of Layered Double Hydroxides and Graphitic Carbon Nitride Heterostructures for Photoelectrocatalytic Water Splitting Applications.	0
208	Synthesis and characterization of novel chlorinated SnO ₂ nanomaterials for biodiesel production via stearic acid esterification with methanol. 2022 , 33, 103532	0
207	Low-temperature oxidative removal of gaseous formaldehyde by an eggshell waste supported silver-manganese dioxide bimetallic catalyst with ultralow noble metal content.. 2022 , 434, 128857	0
206	Co-pyrolysis of polyester and cotton via thermogravimetric analysis and adsorption mechanism of Cr(VI) removal by carbon in aqueous solution. 2022 , 354, 118902	3
205	Physicochemical modification of corn straw biochar to improve performance and its application of constructed wetland substrate to treat city tail water.. 2022 , 310, 114758	2
204	Fe ₂ O ₃ Incorporated Anatase/Brookite Biphasic TiO ₂ for degradation of Phenol under Simulated Solar Light. 2022 , 127, 112247	1
203	Urchin like inverse spinel manganese doped NiCoO microspheres as high performances anode for lithium-ion batteries.. 2022 , 616, 509-519	1
202	Novel ZnTi LDH/h-BN nanocomposites for removal of two different organic contaminants: Simultaneous visible light photodegradation of Amaranth and Diazepam. 2022 , 47, 102581	1
201	Copper-involved highly efficient oxygen reduction reaction in both alkaline and acidic media. 2022 , 437, 135377	2
200	A new insight into the mechanism in Fe ₃ O ₄ @CuO/PMS system with low oxidant dosage. 2022 , 438, 135474	3
199	BCN nanosheets derived from coconut shells with outstanding microwave absorption and thermal conductive properties. 2022 , 437, 135285	7
198	Novel strategy for enhanced visible light-responsive photoactivity of ZnFe ₂ O ₄ with a single-mode microwave combustion process: Primary parameters. 2022 , 440, 135551	1
197	ZIF-derived zinc decorated cobalt nanoparticles for efficient oxygen reduction and Zn-air batteries. 2022 , 908, 164638	2
196	Porous core-shell Fe ₃ O ₄ @CuSiO ₃ microsphere as effective catalyst for styrene epoxidation. 2022 , 591, 153158	1
195	Carbon defects in biochar facilitated nitrogen doping: The significant role of pyridinic nitrogen in peroxymonosulfate activation and ciprofloxacin degradation. 2022 , 441, 135864	3
194	Vinyl Phosphonic Acid Functionalized Silica Polymer Nanocomposites for the Acylation of Phenol. 2021 , 62, 724-733	

193	Ordered macroporous MoS ₂ -carbon composite with fast and robust sodium storage properties to solve the issue of kinetics mismatch of sodium-ion capacitors.	2
192	Sequential Synthesis Methodology Yielding Well-Defined Porous SrTiO ₃ /NiFeO Nanocomposite.. 2021 , 12,	2
191	The effect of nitrogen species on the catalytic properties of N-doped graphene.. 2021 , 11, 23970	3
190	Loading and Sustained Release of Pralidoxime Chloride from Swellable MIL-88B(Fe) and Its Therapeutic Performance on Mice Poisoned by Neurotoxic Agents.. 2021 ,	2
189	Specific Surface Area of Nanopowders from Argon Adsorption at 77 and 87 K: Zeta Adsorption Isotherm Approach. 2021 , 125, 28115-28135	0
188	Designable Assembly of Atomically Precise Al ₄ O ₄ Cubane Supported Mesoporous Heterometallic Architectures.	1
187	Co,Zn-MOF derived Co@C-NCNTs for boosting non-radical oxidation of norfloxacin by peroxymonosulfate. 2022 , 129037	0
186	Surfactant-assisted synthesis of Ni ₂ P nanostructures: effect of surfactant concentration on photocatalytic activity. 2022 , 137,	1
185	Beta-FeOOH/polyamide nanocomposites for the remediation of 4-chlorophenol from contaminated waters. 2022 , 29, 1	1
184	Filter Fabrication by Constructing Metal-Organic Frameworks Membrane on Waste Maize Straw for Efficient Phosphate Removal from Wastewater. 2022 , 136461	1
183	Fe-oxide/Al ₂ O ₃ for the enhanced activity of H ₂ S decomposition under realistic conditions: mechanistic studies by in-situ DRIFTS and XPS. 2022 , 136459	1
182	Ultrasound-assisted synthesis of rGO supported NiO-TiO ₂ nanocomposite: An efficient superior sonophotocatalyst under diffused sunlight. 2022 , 10, 107701	0
181	Coexisting Acid and Basic Sites on Sodium Montmorillonite Catalysts for Synergetically Catalyzing Transesterification of Glycerol with Dimethyl Carbonate.	
180	Boosting photocatalytic CO reduction Schottky junction with ZnCr layered double hydroxide nanoflakes aggregated on 2D TiCT cocatalyst.. 2022 ,	1
179	Adsorption of fluoride by using sodium alginate coated poly-aluminium chloride (PAC) sludge: preparation, characterisation and mechanism. 1-18	
178	Impact of Cu Ions removal onto MgO nanostructures: adsorption capacity and mechanism. 2022 , 33, 12500	3
177	Ultrafast Crystallization of Ordered Mesoporous Metal Oxides and Carbon from Block Copolymer Self-Assembly and Joule Heating. 2200151	2
176	Development of a novel biochar/iron oxide composite from green algae for bisphenol-A removal: Adsorption and Fenton-like reaction. 2022 , 102647	0

175	Multifunctional Yolk-Shell Structured Magnetic Mesoporous Polydopamine/Carbon Microspheres for Photothermal Therapy and Heterogenous Catalysis.. 2022,	1
174	N-heterocycle-functionalized graphene oxide complexed with cobalt(II) as symmetric supercapacitor electrodes. 2022, 165371	0
173	Fabrication of self-reinforced polymorphic cellulose nanofiber composite microspheres for highly efficient adsorption of proteins. 1	0
172	Kinetics & dynamic studies of dye adsorption by porous graphene nano-adsorbent for facile toxic wastewater remediation. 2022, 47, 102818	0
171	Purification mechanism of city tail water by constructed wetland substrate with NaOH-modified corn straw biochar.. 2022, 238, 113597	1
170	Boosting the quaternary ammonium halides catalyzed CO ₂ coupling with epoxides on the hollow mesoporous silica sphere. 2022, 61, 102028	2
169	Pyrolysis and in-line catalytic decomposition of excavated landfill waste to produce carbon nanotubes and hydrogen over Fe- and Ni-based catalysts Investigation of the catalyst type and process temperature. 2022, 446, 136808	1
168	Glutaraldehyde base-cross-linked chitosan-silanol/FeO composite for removal of heavy metals and bacteria.. 2022,	1
167	NiFe-nanoparticles supported N-doped graphene hollow spheres entangled with self-grown N-doped carbon nanotubes for liquid electrolyte/flexible all-solid-state rechargeable zinc-air batteries.	1
166	Hierarchically Porous Carbon from Phoenix Dactylifera Seed for High-Performance Supercapacitor Applications.	2
165	Facile Synthesis of Magnetic Hierarchical Porous Carbon and the Adsorption Properties.	
164	Construction of Novel Cu-based Bimetal Polycrystal@carbon Catalyst prepared from Bimetal HKUST-1 type MOFs (MOF-199s) for Ultrafast Reduction of 4-Nitrophenol via Interfacial Synergistic Catalysis. 2022, 137314	1
163	Synthesis and characterization of mesoporous ZnO/SBA-16 nanocomposite: Its efficiency as drug delivery system. 2022, 121512	1
162	Preparation and characterization of a high-efficiency radon adsorbing material based on activated carbon modified by water immersion and freeze-thaw.	
161	Switchable and Strain-Releasable Mg-Ion Diffusion Nanohighway Enables High-Capacity and Long-Life Pyrovanadate Cathode. 2202250	1
160	CuORu _{0.3} @Co ₃ O ₄ nanocomposites act as a tandem catalyst for dehydrogenation of ammonia borane and hydrogenation of nitrobenzene. 2022,	0
159	Boosting biohydrogen production from dairy wastewater via sludge immobilized beads incorporated with polyaniline nanoparticles. 2022, 162, 106499	1
158	The investigation of the role of nitrogen in the improvement of catalytic activity and stability of Zr/Ti-based material for carbon disulfide hydrolysis. 2022, 296, 121357	0

157	Mechanistic and Experimental Study of the Cu _x O@C Nanocomposite Derived from Cu ₃ (BTC) ₂ for SO ₂ Removal. 2022 , 12, 689	
156	Ordered Mesoporous MnAlO _x Oxides Dominated by Calcination Temperature for the Selective Catalytic Reduction of NO _x with NH ₃ at Low Temperature. 2022 , 12, 637	
155	Synthesis of micro-mesoporous materials by pseudomorphic transformations.	
154	Activation of Oxygen Species on Ag/CoAlO Catalysts to Promote CO Oxidation by Enhancing Metal-Support Interactions.	
153	Functionalized copper metal-organic framework with peroxidase-mimetic activity as an adsorbent for efficient removal of noxious organic dye from aqueous solution. 2022 , 340, 112031	1
152	Laser cutting assisted fabrication of assembled solid-state supercapacitors based on polypyrrole coated paper. 2022 , 919, 116522	0
151	Catalytic pyrolysis of HDPE over WO _x /Al ₂ O ₃ : Effect of tungsten content on the acidity and catalytic performance. 2022 , 528, 112439	0
150	Synthesis of N-doped hierarchically ordered micro-mesoporous carbons for CO ₂ adsorption. 2022 , 62, 102081	1
149	High areal capacitance and enhanced cycling stability of binder-free, pristine polyaniline supercapacitor using hydroquinone as a redox additive. 2022 , 425, 140740	2
148	Ball-milled Bi ₂ MoO ₆ /biochar composites for synergistic adsorption and photodegradation of methylene blue: Kinetics and mechanisms. 2022 , 186, 115229	0
147	Effect of Persistent Photoconductivity in Er-Doped TiO ₂ /Mn ₃ O ₄ Photocatalyst for Energy-Efficient and Sustainable Degradation of Antibiotic Drug- Tetracycline.	
146	CoTeAlO mesoporous catalysts for hydrogen generation via ammonia decomposition. 2022 ,	
145	Practical Coprecipitation Approach for High-Aspect Ratio Cupric Oxide Nanoparticles: A Sustainable Catalytic Platform for Huisgen and Fluorogenic Click Chemistry. 2022 , 61, 9552-9566	2
144	Tuning the Acidity of Montmorillonite by H ₃ PO ₄ -Activation and Supporting WO ₃ for Catalytic Dehydration of Glycerol to Acrolein.	0
143	Fabrication of Ag-Doped ZnO Photocatalysts Derived From MIL-125(Zn) With Enhanced Photocatalytic Activity. 10,	
142	Rapid and effective nitrate reduction over wide pH range using Cu _x O-CNT with the presence of KBH ₄ : The role of in situ produced hydrogen and zero-valent copper. 2022 , 298, 121628	0
141	Laminar membranes assembled by ultrathin cobalt-copper oxide nanosheets for nanoconfined catalytic degradation of contaminants. 2022 , 449, 137811	0
140	Nanosheet-assembled porous MnCo ₂ O _{4.5} microflowers as electrode material for hybrid supercapacitors and lithium-ion batteries. 2022 , 627, 815-826	5

139	Preparation and Study of the Micron Mullite Coated Ce_2S_3 Red Pigment.	
138	Highly N-doped carbon with low graphitic-N content as anode material for enhanced initial Coulombic efficiency of lithium-ion batteries.	0
137	Understanding Synthesis-Structure-Performance Correlations of Nanoarchitected Activated Carbons for Electrochemical Applications and Carbon Capture. 2204714	4
136	Hofmeister effect-enhanced gelatin/oxidized dextran hydrogels with improved mechanical properties and biocompatibility for wound healing. 2022,	0
135	Rapid preparation of Palygorskite/ Al_2O_3 composite aerogels with superhydrophobicity, high-temperature thermal insulation and improved mechanical properties. 2022,	0
134	A preliminary study on the geological conditions and indexes for the accumulation of shale gas in the marine-continental transitional facies sediments in the South North China Basin. 10,	
133	In Situ Conformal Carbon Coating for Constructing Hierarchical Mesoporous Titania/Carbon Spheres as High-Rate Lithium-Ion Battery Anodes. 2022, 10, 10955-10965	1
132	Advanced sodium-ion capacitor based on antimony-carbon composite anode.	1
131	Photocatalytic abatement of formaldehyde under visible light irradiation via bamboo carbon/ TiO_2 modified by plasma at low temperature. 2022, 369, 133280	2
130	Carbon dioxide adsorption of two-dimensional Mo_2C MXene. 2022, 128, 109277	1
129	Z-scheme g- $\text{C}_3\text{N}_4/\text{ZnS}$ heterojunction photocatalyst: One-pot synthesis, interfacial structure regulation, and improved photocatalysis activity for bisphenol A. 2022, 653, 130027	1
128	Study on treatment of city tail water by constructed wetland with corn straw biochar substrate. 2022, 28, 102855	1
127	Photodegradation of dye using Polythiophene/ ZnO nanocomposite: A computational approach. 2022, 117, 108285	0
126	Vapor-phase hydrogenolysis of glycerol to value-added 1,2-propanediol over copper-nickel bimetallic catalysts supported on activated carbon.	0
125	Investigation on water vapor adsorption performance of carbon based composite adsorption material ACF-silica sol- LiCl . 2022, 344, 112205	0
124	A general confinement co-assembly strategy enabling cross-dimensional supraspheres for boosting electrochemical performance. 2022, 200, 296-306	0
123	Enhanced catalytic activity and ignition characteristics of three-dimensional ordered macroporous FeCo_2O_4 through controlled synthesis. 2022, 33, 103799	1
122	High areal capacitance and long cycling stability in asymmetric supercapacitors using binder-free, hierarchical nanostructured $\text{Ni}_3\text{S}_2/\text{MnO}_2$ hybrid electrodes. 2022, 55, 105723	1

- 121 Facile synthesis of S-scheme NiS@ZrO₂ nano-heterostructure for superior degradation of antibiotic under visible light irradiation. **2022**, 133, 113011 ○
- 120 Effect of geometric modification of fumed nanoscale silica for medical applications on adsorption of human serum albumin: Physicochemical and surface properties. **2022**, 220, 1294-1308 ○
- 119 Facile synthesis of magnetic hierarchical porous carbon and the adsorption properties. **2022**, 193, 112273 ○
- 118 Translational materials research - From laboratory to product: A 1200 F cylindrical supercapacitor from petroleum coke derived activated carbon sheets. **2022**, 55, 105650 ○
- 117 Highly efficient synthesis of ZSM-5 zeolite by one-step microwave using desilication solution of coal gasification coarse slag and its application to VOCs adsorption. **2022**, 167, 173-183 ○
- 116 Synthesis of magnetic Z-scheme MoS₂/CdFe₂O₄ composite for visible light induced photocatalytic degradation of tetracycline. **2022**, 152, 107075 ○
- 115 Specific chemical adsorption of selected divalent heavy metal ions onto hydrous Fe₂O₃-biochar from dilute aqueous solutions with pH as a master variable. **2023**, 451, 138921 ○
- 114 Site isolated Ru clusters and sulfoacids in a yolk-shell nanoreactor towards cellulose valorization to 1,2-propylene glycol. **2023**, 452, 139206 ○
- 113 Cleaner one-pot transformation of glycerol to acrylic acid and 1,2-propanediol over bifunctional Cu₂O/montmorillonite catalysts without external oxygen and hydrogen. ○
- 112 Site Isolated Ru Clusters and Sulfoacids in a Yolk-Shell Nanoreactor Towards Cellulose Valorization to 1,2-Propylene Glycol. ○
- 111 Synthesis of stack plate covalent organic framework nanotubes using a self-assembled acid as a soft template. **2022**, 58, 9148-9151 ○
- 110 Highlighting the Implantation of Metal Particles into Hollow Cavity Yeast-Based Carbon for Improved Electrochemical Performance of Lithium Sulfur Batteries. **2022**, 12, 951 1
- 109 The Anti-Obesity Effect of Porous Silica Is Dependent on Pore Nanostructure, Particle Size, and Surface Chemistry in an In Vitro Digestion Model. **2022**, 14, 1813 ○
- 108 Highly Sensing and Selective Performance Based on Bi-Doped Porous ZnSnO₃ Nanospheres for Detection of n-Butanol. **2022**, 22, 6571 ○
- 107 Rapid room-temperature synthesis and characterizations of high-surface-area nanoparticles of zeolitic imidazolate framework-8 (ZIF-8) for CO₂ and CH₄ adsorption. **2022**, 57, 16245-16257 ○
- 106 Performance of a Solid Cell with a Solid-Liquid Electrolyte Prepared by a Microwave-Assisted Sintering Technique from MCM-41 and Ionic Liquids. **2022**, 7, ○
- 105 Engineered Geomedia Kaolin Clay-Reduced Graphene Oxide Polymer Composite for the Remediation of Olaquinox from Water. **2022**, 7, 34054-34065 1
- 104 Experimental investigation of pore structure and its influencing factors of marine-continental transitional shales in southern Yanbin area, ordos basin, China. 10, ○

- 103 Low-temperature hydrothermal modification of waste paper fiber adsorbent to enhance removal benzothiophene sulfide efficiency from oil: kinetics and equilibrium study. 1-20 0
- 102 Mechanistic Principles for Engineering Hierarchical Porous Metal-Organic Frameworks. **2022**, 16, 13573-13594 1
- 101 Study of the synthesis, adsorption property, and photocatalytic activity of TiO₂/coal gasification fine slag mesoporous silica glass microsphere composite. 0
- 100 Bifunctional molybdenum phosphate catalyst with tunable acidity/basicity for the sustainable synthesis of glycerol carbonate via solvent-free carbonylation of glycerol with urea. 0
- 99 Facile synthesis of rose-like composites of zeolites and layered double hydroxides: Growth mechanism and enhanced properties. **2022**, 136741 0
- 98 The influence of the synthesis pH on the morphology and adsorption properties of carbon spheres. **2022**, 155196 0
- 97 Synthesis and characterization of superhydrophobic fluorinated mesoporous silica for oil/water separation. **2022**, 344, 112240 1
- 96 Preparation and properties of nano silica-based bioactive glass/apatite/sodium alginate composite hydrogel. **2022**, 105515 0
- 95 Sulfate radical-based advanced oxidation process (SR-AOP) on titania supported mesoporous dendritic silica (TiO₂/MDS) for the degradation of carbamazepine and other water pollutants. **2022**, 655, 130276 0
- 94 Environmental gas sensors based on electroactive hybrid organic-inorganic nanocomposites. 0
- 93 Insight into CO selective chemisorption from syngas mixtures through Li₂MnO₃; a new H₂ enrichment material. 1
- 92 Ru Single Atoms on One-Dimensional CF@g-C₃N₄ Hierarchy as Highly Stable Catalysts for Aqueous Levulinic Acid Hydrogenation. **2022**, 15, 7464 0
- 91 Microwave Preparation of Porous Graphene from Wasted Tires and Its Pyrolysis Behavior. 0
- 90 Development and Characterization of Chitosan and Chondroitin Sulfate Based Hydrogels Enriched with Garlic Extract for Potential Wound Healing/Skin Regeneration Applications. **2022**, 8, 676 0
- 89 Palladium Nanoparticles Embedded Nutshell-like Bi₂WO₆ as an Efficient and Stable Visible-Light-Responsive Photocatalysts for NO Removal. 0
- 88 Enhanced photocatalytic degradation of naproxen in aqueous matrices using reduced graphene oxide (rGO) decorated binary BSO/g-C₃N₄ heterojunction nanocomposites. **2022**, 100417 0
- 87 Highly Efficient Elimination of Pb⁺² and Al⁺³ Metal Ions from Wastewater Using Graphene Oxide/3,5-Diaminobenzoic Acid Composites: Selective Removal of Pb²⁺ from Real Industrial Wastewater. **2022**, 7, 38347-38360 1
- 86 Supercapacitive amino-functionalized cobalt and copper metal-organic frameworks with varying surface morphologies for energy storage. **2022**, 924, 116885 0

- 85 A simple method for preparing ThO₂ ceramics with high density. 0
- 84 LaRuO₃ perovskites as effective and reusable heterogeneous catalysts to activate peroxymonosulfate for carbamazepine degradation. **2023**, 304, 122359 1
- 83 Designer composite of montmorillonite-reduced graphene oxide-PEG polymer for water treatment: Enrofloxacin sequestration and cost analysis. **2023**, 453, 139771 5
- 82 Facile synthesis of direct Z-scheme UiO-66-NH₂/PhC₂Cu heterojunction with ultrahigh redox potential for enhanced photocatalytic Cr(VI) reduction and NOR degradation. **2023**, 443, 130195 1
- 81 Impacts of Surface Adsorption on Water Uptake within a Metal Organic Nanotube Material. 0
- 80 Hydrothermal synthesis of mesoporous TiO₂ using β -diketonate stabilizing agents for photocatalytic degradation of methyl violet 2B under visible light. **2022**, 0
- 79 Two-dimensional titanium carbide (MXene)-supported Pt₃Ti intermetallic compound catalysts for efficient room-temperature oxidative removal of gaseous formaldehyde. **2022**, 100283 0
- 78 Application of UV responsive SiO₂/PVP composite hydrogels as intelligent controlled drug release patches. **2022**, 125535 0
- 77 In-situ and ex-situ catalytic pyrolysis of cellulose to produce furans over red mud-supported transition metal catalysts. **2023**, 169, 105830 0
- 76 One-step fragmentation of a 2D MXene across the fine 1D MnO₂ surface and its supercapacitance. **2022**, 25, 72-85 0
- 75 Exploration of atomic interfaces with inherent oxygen vacancies in zirconia for toluene oxidation. **2022**, 11, 287-296 0
- 74 Bimetallic organic framework in situ fabrication nanoflower-like cobalt nickel sulfide and ultrathin layered double hydroxide arrays for high-efficient asymmetric hybrid supercapacitor. **2023**, 938, 168565 1
- 73 Pyrolysis temperature affects the physiochemical characteristics of lanthanum-modified biochar derived from orange peels: Insights into the mechanisms of tetracycline adsorption by spectroscopic analysis and theoretical calculations. **2023**, 862, 160860 0
- 72 A novel method for low-cost and rapid preparation of nanoporous phenolic aerogels and its performance regulation mechanism. **2022**, 61, 817-828 0
- 71 Using Small Angle X-ray Scattering to Examine the Aggregation Mechanism in Silica Nanoparticle-Based Ambigels for Improved Optical Clarity. 0
- 70 Synthesis of magnetic core-shell Fe₃O₄-Mn₃O₄ composite for degradation of sulfadiazine via peroxymonosulfate activation: characterization, mechanism and toxicity analysis. **2022**, 109230 0
- 69 Rational design of AgCl@Zr³⁺-ZrO₂ nanostructures for ultra-efficient visible-light photodegradation of emerging pollutants. **2022**, 122308 0
- 68 Unprecedented rapid synthesis of diesel precursors from biomass derived furanics over aluminum-doped mesoporous silica spheres' catalysts. 0

67	Nickel Nanoparticles Anchored on Activated Attapulgite Clay for Ammonia Decomposition to Hydrogen. 2022 , 14, 2627	0
66	Silica-modified Bismutite Nanoparticles for Enhanced Adsorption and Faster Solar Photocatalytic Degradation of Methylene Blue. 2022 ,	0
65	Mechanochemical synthesis of alumina-based catalysts enriched with vanadia and lanthana for selective catalytic reduction of nitrogen oxides. 2022 , 12,	2
64	Palladium-nickel supported and palladated activated diatomite as an efficient catalyst for poly-olefins hydrogenation.	0
63	Carbon Nanotube@Nickel Hydroxide Nanosheets Core-shell Nanostructures Enabling Thermally Assisted 3D-Printed Solid-State Microsupercapacitors. 2201191	0
62	Application of Synthesized Vanadium-Titanium Oxide Nanocomposite to Eliminate Rhodamine-B Dye from Aqueous Medium. 2023 , 28, 176	0
61	Preparation of biochar derived from waste cotton woven by low-dosage Fe(NO ₃) ₃ activation: characterization, pore development and adsorption.	0
60	Designing of a magnetically recoverable (Ce ⁺³ , +4/Fe ⁺² . Fe ⁺³) oxide@ 2D g-C ₃ N ₄ surface for enhanced photo-Fenton catalytic degradation of Bismarck-Brown R and Congo red dyes: kinetics, optical properties, and mechanistic pathway studies. 1-32	0
59	Sorption enhanced steam reforming of ethanol for hydrogen production, over Mg/Al hydrotalcites modified with K. 2023 ,	0
58	Sponge-like Silica Nanoporous Particles for Sustaining Release and Long-Term Antibacterial Activity of Natural Essential Oil. 2023 , 28, 594	0
57	Bifunctional Edge-Rich Nitrogen Doped Porous Carbon for Activating Oxygen and Sulfur. 2213395	0
56	Heterostructured Ni ₃ B/Ni nanosheets for excellent microwave absorption and supercapacitive application. 2023 ,	0
55	Integrated adsorption and photodegradation of tetracycline by bismuth oxycarbonate/biochar nanocomposites. 2023 , 457, 141228	0
54	Deep eutectic solvent-mediated preparation of solvothermal carbon with rich carboxyl and phenol groups from crop straw for high-efficient uranium adsorption. 2023 , 457, 141255	0
53	Tetranitro-substituted cobalt phthalocyanine immobilized on reduced graphene oxide as supercapacitor electrode material with enhanced capacitance. 2023 , 293, 117284	0
52	Hydrothermal synthesis of nano-sized MnO ₂ supported on attapulgite electrode materials for supercapacitors. 2022 ,	0
51	Enhanced CO ₂ capture by cupuassu shell-derived activated carbon with high microporous volume.	2
50	Development of Targeted Protein-Displaying Technology with a Novel Carbon Material. 2023 , 12, 2	0

- 49 Simultaneous catalytic oxidation of Hg⁰ and AsH₃ over Fe/Ce co-doped TiO₂ catalyst under low temperature and reducing atmosphere. **2023**, 13, 3958-3970 1
- 48 Nanostructured MoS₂ with Interlayer Controllably Regulated by Ionic Liquids/Cellulose for High-Capacity and Durable Sodium Storage Properties. 2207397 0
- 47 Improving the Radon Adsorption Capacity of Activated Carbon by Liquid Nitrogen Modification. **2023**, 2437, 012063 0
- 46 A Novel Photocatalytic Functional Coating Applied to the Degradation of Xylene in Coating Solvents under Solar Irradiation. **2023**, 13, 570 0
- 45 Optimizing impedance matching and interfacial characteristics of aromatic polyimide/graphene by molecular layer deposition for heat-conducting microwave absorption. 0
- 44 Synthesis of TiO₂ Nanobelt Bundles Decorated with TiO₂ Nanoparticles and Aggregates and Their Use as Anode Materials for Lithium-Ion Batteries. **2023**, 14, 243 0
- 43 Utilizing Thermal Energy for Crosslinking Gels: A Novel Rapid Approach. **2023**, 16, 1447 0
- 42 Controlled oxidation of Cu particles by H₂O₂ to form Cu/CuO nanostructure with enhanced gas sensing performance. **2023**, 618, 156668 1
- 41 Penetrating the Blood-Brain Barrier for Targeted Treatment of Neurotoxicant Poisoning by Nanosustained-Released 2-PAM@VB1-MIL-101-NH₂(Fe). **2023**, 15, 12631-12642 0
- 40 High-silica FAU zeolite through controllable framework modulation for VOCs adsorption under high humidity. **2023**, 355, 112570 0
- 39 The inter-connected porous CuO_x-NbO_x/nit-CeO₂ catalyst: Enhanced activity, resistance of SO₂ and H₂O for the removal of NO_x. **2023**, 6, 100179 0
- 38 A novel magnetic loading porous liquid absorbent for removal of Cu(II) and Pb(II) from the aqueous solution. **2023**, 314, 123605 0
- 37 Acidic and basic sites on the surface of sodium montmorillonite active for catalytic transesterification of glycerol to glycerol carbonate. **2023**, 238, 106916 0
- 36 Sepiolite based humidity-control coating specially for alleviate the condensation problem of radiant cooling panel. **2023**, 272, 127129 0
- 35 Expeditious microwave assisted green synthesis of phosphorous doped carbon obtained from Mangifera Indica for adsorptive desulfurization of fuel. **2023**, 345, 128172 0
- 34 Effect of environmentally friendly and efficient metal-free hydrochars as catalysts on sodium borohydride hydrolysis. **2023**, 346, 128308 0
- 33 Strong Metal-Support Interaction (SMSI) in Au/TiO₂ photocatalysts for environmental remediation applications: Effectiveness enhancement and side effects. **2023**, 109947 0
- 32 Porous Structure of Acetylene Black after Heat Treatment. **2022**, 56, 988-996 0

- 31 The promoting effect of Ce on Ag/ZrO₂ catalyst for the total oxidation of toluene into CO₂ in the presence of water vapor. **2023**, 105, 871-880 ○
- 30 Enhancing the Photocatalytic Activity of TiO₂ for the Degradation of Congo Red Dye by Adjusting the Ultrasonication Regime Applied in Its Synthesis Procedure. **2023**, 13, 345 ○
- 29 Fabrication of new proton conducting membrane for fuel cell applications based on porous polyimide Matrimid[®] and hydrophobic protic ionic liquid. **2023**, 140, ○
- 28 Phthalimide Ligand Coordination as a Critical Key For Constructing Chlorine-Platinum-Nitrogen Single-Site Catalysts for Effective Acetylene Hydrochlorination. **2023**, 11, 3103-3113 ○
- 27 Sr²⁺-dependent microstructure regulation of biodegradable Sr-doped hydroxyapatite microspheres with interconnected porosity for sustained drug delivery. **2023**, 49, 17148-17157 1
- 26 Efficient degradation of tetracycline by a novel nanoconfinement structure Cu₂O/Cu@MXene composite. **2023**, 448, 130995 ○
- 25 Preparation of biochar derived from waste cotton woven by low-dosage Fe(NO₃)₃ activation: characterization, pore development, and adsorption. **2023**, 30, 49523-49535 ○
- 24 Dimethyl ether from methanol on mesoporous Al₂O₃ catalyst prepared from surfactant free highly porous pseudo-boehmite. **2023**, 538, 113004 ○
- 23 Methods Ampero-Coulometry: A New Technique for Understanding Lithium-Sulfur Electrochemistry. **2023**, 170, 030503 ○
- 22 Construction of a BaTiO₃/tubular g-C₃N₄ dual piezoelectric photocatalyst with enhanced carrier separation for efficient degradation of tetracycline. **2023**, 461, 141947 ○
- 21 Peroxidase-like activity of hollow sphere-like FeS₂/SC boosted by synergistic action of defects and S-C bonding. **2023**, 52, 3821-3834 ○
- 20 2D Mesoporous Zincophilic Sieve for High-Rate Sulfur-Based Aqueous Zinc Batteries. **2023**, 145, 5384-5392 ○
- 19 Efficient modulation of a barium metal-organic framework using amino acids. **2023**, 79, 114-121 ○
- 18 Rapid Adsorption Methylene Blue from Aqueous Solution using Manganese Dioxide Nanowires: Facile Synthesis, Characterization, Kinetics, Thermodynamics and Mechanism Analysis. **2023**, 8, ○
- 17 Dissolution kinetics studies of kaolin ore as raw material for mesoporous silica by acid leaching. 1-10 ○
- 16 Metal-Organic Framework Flowers as a Naked-Eye Colorimetric Indicator of Trace Water. **2023**, 15, 13526-13534 ○
- 15 A Selective Oxidation Strategy towards the Yolk-Shell Structured ZnS@C Material for Ultra-Stable Li-Ion Storage. **2023**, 16, 2097 ○
- 14 Self-Seeding Synthesis of Hierarchically Branched Rutile TiO₂ for High-Efficiency Dye-Sensitized Solar Cells. **2023**, 8, 9843-9853 ○

- 13 Biochar Composite Adsorbent for the Removal of Copper (II) and Lead (II) from Wastewater Prepared by the Pyrolysis of Oil-Based Drilling Cuttings and Orange Peels. 1-19 ○
- 12 Recent Developments in Sonochemical Synthesis of Nanoporous Materials. **2023**, 28, 2639 ○
- 11 Homojunction-Structured Cadmium Sulfide Enhances Photocatalytic Coproduction of Hydrogen and Kraft Lignin Conversion. **2023**, 6, 3608-3615 ○
- 10 Hollow-Out Fe₂O₃-Loaded NiO Heterojunction Nanorods Enable Real-Time Exhaled Ethanol Monitoring under High Humidity. **2023**, 15, 15707-15720 ○
- 9 Multifunctional Nanocrystalline-Assembled Porous Hierarchical Material and Device for Integrating Microwave Absorption, Electromagnetic Interference Shielding, and Energy Storage. 2208101 ○
- 8 Conversion of glucose into 5-hydroxymethylfurfural by carbonaceous solid acid catalysts loaded with Brønsted acid and Lewis acid in biphasic system. ○
- 7 UiO66-Derived Catalyst for Low Temperature Catalytic Reduction of NO with NH₃. **2023**, 8, 12362-12371 ○
- 6 Slow pyrolysis of Cu/Co-Co Prussian blue analog to enhance catalytic activity and selectivity in epoxidation of styrene. **2023**, 657, 119161 ○
- 5 Direct coupling of CO₂ with epoxides catalyzed by lanthanum(III) supported on magnetic mesoporous organosilica nanoparticles. **2023**, 13, ○
- 4 Anticancer and bone-enhanced nano-hydroxyapatite/gelatin/polylactic acid fibrous membrane with dual drug delivery and sequential release for osteosarcoma. **2023**, 240, 124406 ○
- 3 Water Decontamination from Cr(VI) by Transparent Silica Xerogel Monolith. **2023**, 24, 7430 ○
- 2 A silver-based coordination polymer with phenylacetylene ligands for efficient visible light photocatalysis. ○
- 1 A hybrid hydrogel constructed using drug loaded mesoporous silica and multiple response copolymer as an intelligent dressing for wound healing of diabetic foot ulcers. ○