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Nonionic Triblock and Star Diblock Copolymer and Oligomeric Surfactant Syntheses of Highly Ordered, Hydrothermally Stable, Mesoporous Silica Structures

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1813	Preparation of Nanocrystalline TiO <sub>2</sub> with Mixed Template and Its Application for Dye-Sensitized Solar Cells. <b>2004</b> , 151, A1653	33
1812	HRTEM imaging of mesoporous phase transition from hexagonal P6mm to cubic Ia $\bar{3}d$ symmetry. <b>2004</b> , 400-407	1
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1808	Rapid Crystallization of High Quality Cubic Silica SBA-16 Nanoporous Material. <b>2004</b> , 33, 262-263	16
1807	Direct Synthesis and Spectroscopic Evidence of Framework Co(II) ions in SBA-15 Mesoporous Molecular Sieves. <b>2004</b> , 33, 588-589	30
1806	An Easy Route for the Synthesis of Ordered Three-Dimensional Large-Pore Mesoporous Organosilicas with Im-3m Symmetry. <b>2004</b> , 33, 1132-1133	12
1805	Synthesis of crack-free silica monoliths with cubic mesostructures by a fast evaporation process. <b>2004</b> , 593-597	2
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1802	The energetical contribution of gas/liquid interfaces during mesopores filling processes: A thermodynamical study. <b>2004</b> , 1812-1816	1
1801	Templated and non-templated routes to mesoporous TiO <sub>2</sub> . <b>2005</b> , 355-366	2
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1795	Adsorption of Carbon Dioxide on Mesoporous Silicas near the Critical Temperature. <b>2005</b> , 23, 763-776	8
1794	Solid Polymer Electrolyte Based on Pluronic P123 Triblock Copolymer-Siloxane Organic-Inorganic Hybrid. <b>2005</b> , 52, 693-699	9
1793	Novel non-surfactant pathway to controllable micro/mesoporous bimodal xerogels. <b>2005</b> , 156, 473-480	3
1792	Enantioselective styrene epoxidation using the Jacobsen catalyst immobilized on functionalized SBA-15. <b>2005</b> , 1493-1500	5
1791	Preparation of crack-free, transparent, nanoporous niobium oxide film with crystalline structure by evaporation-induced self-assembly (EISA) process. <b>2005</b> , 321-326	
1790	Grafting of magnesium and yttrium silylamides onto periodic mesoporous silica SBA-1. <b>2005</b> , 158, 461-468	6
1789	Ionic Conductivity of Solid-Liquid Composite Films Consisting of Mesoporous SiO <sub>2</sub> and Li Solution Electrolyte. <b>2005</b> , 113, 716-720	
1788	Microemulsion templated mesoporous silica: characterisation via small angle x-ray scattering and stability in aqueous buffers. <b>2005</b> , 717-724	
1787	SBA-15 templated-ordered mesoporous carbon: effect of SBA-15 microporosity. <b>2005</b> , 543-550	3
1786	A Simple Method for Fabrication of Mesoporous Films Using a Rapid Heating Process. <b>2005</b> , 34, 328-329	4
1785	Efficient Incorporation of Metal Oxides into Neutral Surfactants-templated Mesoporous Silicas. <b>2005</b> , 34, 204-205	1
1784	Structural Control of Mesoporous Silica by a Bicontinuous Microemulsion-aided Process. <b>2005</b> , 34, 610-611	1
1783	Synthesis of Cubic-like Mesostructured Silica at Low Temperature Using an Oligomeric Nonionic Surfactant. <b>2005</b> , 34, 1434-1435	
1782	Synthesis of 3d-Hexagonal (P63/mmc) Mesoporous Material Using CnTEABr-type Surfactants via Acidic Synthesis Route. <b>2005</b> , 34, 792-793	3
1781	Acid-Free synthesis of mesostructured silica materials in a triblock copolymer-based system. <b>2005</b> , 156, 89-96	6

1780	Catalytic formation of acetic anhydride over tungstophosphoric acid modified SBA-15 mesoporous materials. <b>2005</b> , 281, 167-178	63
1779	Modification of mesoporous silicate SBA-15 with tris[bis(trimethylsilyl)amido]samarium and its utility in Tishchenko reaction. <b>2005</b> , 690, 3783-3789	29
1778	Optimization of the preparation methods. <b>2005</b> , 173, 7-12	17
1777	Control of pore size and condensation rate of cubic mesoporous silica thin films using a swelling agent. <b>2005</b> , 78, 245-253	34
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1775	Synthesis of proton conducting tungstosilicate mesoporous materials and polymer composite membranes. <b>2005</b> , 81, 217-234	6
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1771	Direct synthesis of highly ordered Fe-SBA-15 mesoporous materials under weak acidic conditions. <b>2005</b> , 84, 41-49	158
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1769	Electrospun mesoporous metal oxide fibers. <b>2005</b> , 86, 1-13	67
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1766	Influence of Fe on the thermal stability and catalysis of SBA-15 mesoporous molecular sieves. <b>2005</b> , 86, 335-340	47
1765	Direct synthesis, characterization of Cu-SBA-15 and its high catalytic activity in hydroxylation of phenol by H <sub>2</sub> O <sub>2</sub> . <b>2005</b> , 230, 143-150	108
1764	A dimeric molecular precursor [(tBuO) <sub>2</sub> Ti{EO <sub>2</sub> Si[OSi(OtBu) <sub>3</sub> ] <sub>2</sub> }] <sub>2</sub> to Ti(IV)/SiO <sub>2</sub> catalysts for selective cyclohexene epoxidation. <b>2005</b> , 238, 1-12	48
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1761	Synthesis of mesoscopic barium titanate single crystals incorporating a cuboid-shaped hollow core. <b>2005</b> , 275, e2377-e2381	2
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1747	Synthesis and characterization of novel mesoporous silica with large wormhole-like pores: Use of TBOS as silicon source. <b>2005</b> , 84, 34-40	17
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1738	Copper-free heterogeneous catalysts for the Sonogashira cross-coupling reaction: Preparation, characterisation, activity and applications for organic synthesis. <b>2005</b> , 241, 39-51	93
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1735	Evaluation of porous structure of resorcinol-formaldehyde hydrogels by thermoporometry. <b>2005</b> , 439, 74-79	16
1734	Microporous carbons prepared from cationic surfactant/resorcinol/formaldehyde composites. <b>2005</b> , 43, 269-274	63
1733	Formation of amorphous carbon nanotubes on ordered mesoporous silica support. <b>2005</b> , 43, 1811-1814	18
1732	Adsorption of vitamin B12 on ordered mesoporous carbons coated with PMMA. <b>2005</b> , 43, 2344-2351	57
1731	Ordered mesostructured carbon templated by SBA-16 silica. <b>2005</b> , 43, 2423-2426	20
1730	Synthesis and characterization of in situ grown carbon nanofiber/nanotube reinforced carbon/carbon composites. <b>2005</b> , 43, 2426-2429	54
1729	Simple synthesis of mesoporous carbon with magnetic nanoparticles embedded in carbon rods. <b>2005</b> , 43, 2536-2543	105
1728	Templating synthesis of ordered mesoporous carbon particles. <b>2005</b> , 43, 2977-2982	53
1727	Physico-chemical characterization and catalysis on SBA-15 supported molybdenum hydrotreating catalysts. <b>2005</b> , 99, 309-314	108

1726	Characterization and microporosity analysis of mesoporous carbon molecular sieves by nitrogen and organics adsorption. <b>2005</b> , 102-103, 189-196	48
1725	Tuning of nanostructured SBA-15 silica using phosphoric acid. <b>2005</b> , 105, 618-622	32
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1720	Templating nanostructures by mesoporous materials with an emphasis on room temperature and cryogenic TEM studies. <b>2005</b> , 10, 280-286	6
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1648	Determination of cardiac troponin I by anodic stripping voltammetry at SBA-15 modified carbon paste electrode. <b>2005</b> , 695-702	
1647	A new mesoporous micelle-templated silica route for enzyme encapsulation. <b>2005</b> , 21, 4648-55	62
1646	Small-angle x-ray diffraction of Kr in mesoporous silica: Effects of microporosity and surface roughness. <b>2005</b> , 72,	63
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1640	Synthesis of mesoporous molecular sieves. <b>2005</b> , 157, 91-110	32
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727	Thermo-chemically tuning of active basic sites on nanoarchitected silica for biodiesel production. <b>2020</b> , 481, 110171		3
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7 <sup>17</sup>	Interactions Between Aromatic Groups in Amphiphilic Molecules: Directing Hierarchical Growth of Porous Zeolites. <b>2020</b> , 132, 50-60	2
7 <sup>16</sup>	Mesoporous polymer-silica nanocomposites with stimuli responsive functional groups. <b>2020</b> , 291, 109690	3
7 <sup>15</sup>	Ni(II)-Schiff base/SBA-15: a nanostructure and reusable catalyst for one-pot three-component green synthesis of 3,4-dihydropyrano[3,2-c]chromene derivatives. <b>2020</b> , 46, 347-367	11
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7 <sup>13</sup>	Zn supported on Zr modified mesoporous SBA-15 as sorbents of pollutant precursors contained in fossil fuels: Si/Zr ratio effect. <b>2020</b> , 353, 63-72	
7 <sup>12</sup>	Carbon-based solid acids: a review. <b>2020</b> , 18, 299-314	22
7 <sup>11</sup>	Modified mesoporous silica filled with PEG as a shape-stabilized phase change materials for improved thermal energy storage performance. <b>2020</b> , 292, 109756	50
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7 <sup>05</sup>	Mesoporous silica pellets [A promising oral drug delivery system?]. <b>2020</b> , 56, 101491	2
7 <sup>04</sup>	Influence of functionalization, surface area and charge distribution of SBA15-based adsorbents on CO (II) and NI (II) removal from aqueous solutions. <b>2020</b> , 8, 103671	4
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571	Underlying Processes Driving the Evolution of Nanoporous Silica in Water and Electrolyte Solutions. <b>2020</b> , 124, 14531-14540	3
570	Anisotropic mesoporous silica/microgel core-shell responsive particles.. <b>2020</b> , 10, 25393-25401	8
569	Patient-specific Scaffolds with a Biomimetic Gradient Environment for Articular Cartilage-Subchondral Bone Regeneration.. <b>2020</b> , 3, 4820-4831	6
568	Self-Supported Fe <sup>III</sup> Electrocatalyst via Pyrolysis of EDTAFeNa Adsorbed on SBA-15 for the Oxygen Reduction Reaction. <b>2020</b> , 59, 3016-3023	2
567	Interconnected 3D Framework of CeO <sub>2</sub> with High Oxygen Storage Capacity: High-Resolution Scanning Electron Microscopic Observation. <b>2020</b> , 3, 2346-2353	7
566	Controllable release activity of antibacterial Ag/SBA-16 cage-like synthesized by one-pot method. <b>2020</b> , 299, 110107	3
565	Tunable Effect of the Calcination of the Silanol Groups of KIT-6 and SBA-15 Mesoporous Materials. <b>2020</b> , 10, 970	10
564	Synthesis of Diatomite-Based Mesoporous Wool-Ball-Like Microspheres and Their Application for Toluene Total Oxidation Reaction. <b>2020</b> , 10,	
563	Different sources of silicon precursors influencing on surface characteristics and pore morphologies of mesoporous silica nanoparticles. <b>2020</b> , 513, 145568	11
562	Effectiveness of amino-functionalized sorbents for co <sub>2</sub> capture in the presence of Hg. <b>2020</b> , 267, 117250	6
561	Preparation, characterization, and desulfurization ability of bulk porous silica-supported ZnO. <b>2020</b> , 95, 482-491	
560	Dynamics in Amine-Functionalized Mesoporous Hybrid Materials Probed through Deuterium Magic Angle Spinning NMR and Molecular Dynamic Simulations. <b>2020</b> , 124, 6154-6170	
559	Synthesis Strategies of Porous Carbon for Supercapacitor Applications. <b>2020</b> , 4, 1900853	161
558	Mesoporous silica with precisely controlled pores reduces food efficiency and suppresses weight gain in mice. <b>2020</b> , 15, 131-144	6
557	A comparative study of zirconia and yttria promoted mesoporous carbon-nickel-cobalt catalysts in steam reforming of ethanol for hydrogen production. <b>2020</b> , 484, 110767	9

556	Anchoring IrPdAu Nanoparticles on NH-SBA-15 for Fast Hydrogen Production from Formic Acid at Room Temperature. <b>2020</b> , 12, 8082-8090	55
555	Effect of microwave irradiation on the structural, chemical, and hydrophilicity characteristics of ordered mesoporous silica SBA-15. <b>2020</b> , 94, 708-718	6
554	Amine-functionalized ordered mesoporous silicas as model materials for liquid phase acid capture. <b>2020</b> , 66, e16918	3
553	Strongly quantum-confined Mn <sup>2+</sup> -doped CsPbBr <sub>3</sub> nanocrystals in MCM-41 with pure blue emission. <b>2020</b> , 44, 2980-2985	3
552	Preparation and evaluation of an ethylenediamine dicarboxyethyl diamido-bridged bis( $\beta$ -cyclodextrin)-bonded chiral stationary phase for high performance liquid chromatography. <b>2020</b> , 1619, 460937	14
551	One-step sustainable preparation of superparamagnetic iron oxide nanoparticles supported on mesoporous SiO <sub>2</sub> . <b>2020</b> , 159, 104775	4
550	Simple and controllable preparation of SBA-15 microspheres by poly(vinyl alcohol)-assisted P123 templating system. <b>2020</b> , 302, 110211	5
549	Metal-organic Framework of [Cu <sub>2</sub> (BIPA-TC)(DMA) <sub>2</sub> ] <sub>n</sub> : A Promising Anode Material for Lithium-Ion Battery. <b>2020</b> , 5, 4160-4164	5
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547	An efficient synthesis of highly substituted functionalized pyrroles via a four-component coupling reaction catalyzed by Fe(III)-Schiff base/SBA-15. <b>2020</b> , 50, 1213-1220	0
546	Development of Multifunctional Cosmetic Cream Using Bioactive Materials from sp. T65 with Synthesized Mesoporous Silica Particles SBA-15. <b>2020</b> , 9,	3
545	Development of an Adsorbing System Made of DMS-1 Mesh Modified by Amino Groups to Remove Pb(II) Ions from Water. <b>2020</b> , 13,	
544	Zr/Ce-incorporated Ni/SBA-15 catalyst for high-temperature water gas shift reaction: Methane suppression by incorporated Zr and Ce. <b>2020</b> , 387, 47-61	25
543	Mesoporous Silica Formation Mechanisms Probed Using Combined Spin-Echo Modulated Small-Angle Neutron Scattering (SEMSANS) and Small-Angle Neutron Scattering (SANS). <b>2020</b> , 12, 28461-28473	6
542	Highly dispersed NbOPO <sub>4</sub> /SBA-15 as a versatile acid catalyst upon production of renewable jet-fuel from bio-based furanics via hydroxyalkylation-alkylation (HAA) and hydrodeoxygenation (HDO) reactions. <b>2020</b> , 272, 118987	11
541	Facilitating Proton Transport with Enhanced Water Conservation Membranes for Direct Methanol Fuel Cells. <b>2020</b> , 8, 5880-5890	11
540	2-Mercaptopyrimidine-functionalized mesostructured silicas to develop electrochemical sensors for a rapid control of scopolamine in tea and herbal tea infusions. <b>2020</b> , 157, 104877	4
539	Entrapment of peroxophosphotungstate in SBA-15 by silylation and its catalytic efficiency in the epoxidation of soybean oil. <b>2020</b> , 596, 117537	5

538	Novel hybrid materials based on heteroleptic Ru(III) complexes immobilized on SBA-15 mesoporous silica as highly potent antimicrobial and cytotoxic agents. <b>2020</b> , 520, 146379	6
537	Upgrading Microalgal Biocrude Using NiMo/Al-SBA-15 as a Catalyst. <b>2020</b> , 34, 4618-4631	7
536	Transforming micelles into mixed micelles: a promising approach to tune the catalytic performance of imidazolium-based surface active ionic liquids toward degradation of rhodamine B. <b>2020</b> , 22, 11337-11347	7
535	Enantiomeric Separation of Chiral Triazole Pesticides by a mono-6-(4-Nitrophenyl)-ureido- $\beta$ -cyclodextrin-Bonded Stationary Phase Using High-Performance Liquid Chromatography. <b>2020</b> , 53, 2481-2500	6
534	The effect of the addition of SBA-15 to the slow pyrolysis of tobacco studied by heart-cutting GC/MC. <b>2021</b> , 144, 1623-1634	2
533	Ag $\gamma$ -FeO <sub>2</sub> /SBA-15 composite prepared from Pluronic P123@SBA-15 hybrid as catalyst for room-temperature reduction of 4-nitrophenol. <b>2021</b> , 375, 576-584	9
532	Modeling of gyroidal mesoporous CMK-8 and CMK-9 carbon nanostructures and their X-Ray diffraction patterns. <b>2021</b> , 310, 110330	1
531	Comparison in thermal stability and catalytic performance of H <sub>4</sub> PMo <sub>11</sub> VO <sub>40</sub> heteropolyacid supported on mesoporous and macroporous silica materials. <b>2021</b> , 45, 60-67	0
530	Solvation pressure in spherical mesopores: Macroscopic theory and molecular simulations. <b>2021</b> , 67, e16542	2
529	Synthesis, characterization and catalytic performance in enantioselective reactions by mesoporous silica materials functionalized with chiral thiourea-amine ligand. <b>2021</b> , 47, 853-874	1
528	Influence of surface modification on selective CO <sub>2</sub> adsorption: A technical review on mechanisms and methods. <b>2021</b> , 312, 110751	37
527	A thermogravimetric study of HDPE conversion under a reductive atmosphere. <b>2021</b> , 379, 192-204	5
526	Kinetic mechanism of CO oxidation on gold catalyst supported on TiSBA-15 previously treated in a hydrogen atmosphere. <b>2021</b> , 405, 126644	3
525	Discovery of single gyroid structure in self-assembly of block copolymer with inorganic precursors. <b>2021</b> , 402, 123538	2
524	Aloe-emodin-loaded SBA-15 and its in vitro release properties and cytotoxicity to cervical cancer cells. <b>2021</b> , 25, 264-275	4
523	A Highly Dispersed Copper Nanoparticles Catalyst with a Large Number of Weak Acid Centers for Efficiently Synthesizing the High Value-Added 3-Methylindole by Aniline and Biomass-Derived Glycerin. <b>2021</b> , 151, 463-477	1
522	Synthesis of functionalized mesoporous Ni-SBA-16 decorated with MgO nanoparticles for Cr (VI) adsorption and an effective catalyst for hydrodechlorination of chlorobenzene. <b>2021</b> , 133, 111059	9
521	Enhanced performance and selectivity of CO <sub>2</sub> methanation over phyllosilicate structure derived Ni-Mg/SBA-15 catalysts. <b>2021</b> , 282, 119564	58

520	Comprehensive study of loading and release of sodium valproate drug molecule from functionalized SBA-15 with aminopropyl groups through Co-condensation modification method. <b>2021</b> , 257, 123622	6
519	Ordered mesoporous silica-supported metal catalysts for hydrodeoxygenation of anisole derivatives. <b>2021</b> , 312, 110691	2
518	2,4-Dichlorophenoxyacetic acid (2,4-D) photodegradation on WO-TiO-SBA-15 nanostructured composite. <b>2021</b> , 28, 7774-7785	2
517	Accessibility and strength of H-acceptor hydroxyls of ordered mesoporous silicas probed by pyridine donor. <b>2021</b> , 28, 323-335	2
516	The effects of cyclic alcohols on particle morphology and pore diameter for the SBA-15. <b>2021</b> , 311, 110706	3
515	Contributing to energy sustainability: a review of mesoporous material supported catalysts for Fischer-Tropsch synthesis. <b>2021</b> , 5, 79-107	3
514	Effect of the titanium incorporation method on the morphology and HDS activity of supported ternary NiMoW/SBA-16 catalysts. <b>2021</b> , 312, 110779	4
513	Gold based on SBA-15 supports promising catalysts in base-free glucose oxidation. <b>2021</b> , 413, 127548	9
512	Stabilized amorphous state of riluzole by immersion-rotavapor method with synthesized mesoporous SBA-15 carrier to augment in-vitro dissolution. <b>2021</b> , 61, 102270	3
511	Controlled release of anticancer drug using o-phenylenediamine functionalized SBA-15 as a novel nanocarrier. <b>2021</b> , 75, 1841-1850	3
510	Kinetic investigation of aerobic epoxidation of limonene over cobalt substituted mesoporous SBA-16. <b>2021</b> , 11, 594-611	5
509	Thermo-hydraulic performance of mesoporous silica with Cu nanoparticles in helically grooved tube. <b>2021</b> , 185, 116436	1
508	Hydrogenolysis of organosolv hydrolyzed lignin over high-dispersion Ni/Al-SBA-15 catalysts for phenolic monomers. <b>2021</b> , 32, 307-314	1
507	Novel periodic mesoporous organosilicas containing pyromellitimides and their application for the photodegradation of asphaltenes. <b>2021</b> , 312, 110740	3
506	Synthesis and comparative characterization of functionalized nanoporous silica obtained from tetrachloro- and tetraethoxysilane by a sol-gel method. <b>2021</b> , 196, 176-188	3
505	Synthesis and luminescence investigation of SBA-15/NaYF <sub>4</sub> :Yb/Er composites. <b>2021</b> , 97, 167-177	1
504	Efficient Adsorption of Tetracycline Using Cu <sup>+</sup> -Modified SBA-15 and Its Adsorption Mechanism. <b>2021</b> , 147, 04020142	3
503	Chemoselective Catalytic Oxidation of Olefin Derivatives with Cobalt Immobilized SBA-15. <b>2021</b> , 151, 1361-1375	4



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501	Functionalized mesoporous silica nanoparticles in anticancer therapeutics. <b>2021</b> , 69, 365-375	33
500	Tuning of activity and selectivity of Ni/(Al)SBA-15 catalysts in naphthalene hydrogenation. <b>2021</b> , 360, 27-37	8
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498	Intercalating lithium into the lattice of silver nanoparticles boosts catalytic hydrogenation of carbon-oxygen bonds. <b>2021</b> , 12, 8791-8802	0
497	The alumination mechanism of porous silica materials and properties of derived ion exchangers and acid catalysts.	3
496	Operando Generated Ordered Heterogeneous Catalyst for the Selective Conversion of CO <sub>2</sub> to Methanol. <b>2021</b> , 6, 509-516	16
495	Mesostructured materials. <b>2021</b> ,	1
494	Influence of the Procedure to Immobilize Lipase on SBA-15 for Biodiesel Production from Palm Kernel Oil. <b>2021</b> , 151, 2187	1
493	Fischer-Tropsch synthesis over Pd promoted cobalt based mesoporous supported catalyst. <b>2021</b> , 76, 21	2
492	Acylation of isobutylbenzene with acetic anhydride on ALKIT-6 mesoporous acid catalyst. <b>2021</b> , 4, 128-135	1
491	Nanoparticles for Anticancer Therapy. <b>2021</b> , 283-311	
490	Formation of BiOX (X = Cl and Br) in a mesoporous silica by the infiltration of Bi salts and the subsequent reaction with HX vapor. <b>2021</b> , 57, 8139-8142	1
489	Advances in porous material research towards the management of air pollution. <b>2021</b> , 4, 607-643	5
488	Chapter 14: Smart Porous Silica Polymer Nanomaterials for Theranostics. <b>2021</b> , 363-391	
487	Mesoporous silica nanoparticles for drug combination delivery in cancer therapy: background, current insights, and future perspectives. <b>2021</b> , 119-162	0
486	Catalytic role of metals supported on SBA-16 in hydrodeoxygenation of chemical compounds derived from biomass processing.. <b>2021</b> , 11, 9505-9517	1
485	Formation of Double-Helical Structures by Silica Nanotubes Templated by Mixtures of Common Nonionic Surfactants in Aqueous Solutions. <b>2021</b> , 15, 1016-1029	2

484	The effect of the calcium dopant on the activity and selectivity of gold catalysts supported on SBA-15 and Nb-containing SBA-15 in methanol oxidation. <b>2021</b> , 11, 2242-2260	2
483	Tailored porous carbons enabled by persistent micelles with glassy cores. <b>2021</b> , 2, 5381-5395	4
482	Recyclable Heterogeneous Nanocrystal Promoted Cascade Reaction in Water: An Access to Green Synthesis of Highly Functionalized 4H-Pyrans Containing Phosphonate Motif. <b>2021</b> , 102, 1175	1
481	Drug delivery of amoxicillin molecule as a suggested treatment for covid-19 implementing functionalized mesoporous SBA-15 with aminopropyl groups. <b>2021</b> , 28, 856-864	17
480	Catalytic performance of cubic ordered mesoporous alumina supported nickel catalysts in dry reforming of methane. <b>2021</b> , 310, 110616	12
479	Unified mechanistic interpretation of amine-assisted silica synthesis methods to enable design of more complex materials. <b>2021</b> , 6, 170-196	9
478	-Toluenesulfonic acid functionalized imidazole ionic liquids encapsulated into bismuth SBA-16 as high-efficiency catalysts for Friedel-Crafts acylation reaction. <b>2021</b> , 50, 5871-5882	4
477	Mesoporous silica-biopolymer-based systems in drug delivery applications. <b>2021</b> , 313-347	
476	Enhanced Removal of Cr(III), Mn(II), Cd(II), Pb(II) and Cu(II) from Aqueous Solution by N-functionalized Ordered Silica. <b>2021</b> , 4, 451	0
475	Catalytic Performance and Mechanism of Mesoporous Material SBA-15-Supported FeZr Catalysts for CO <sub>2</sub> Desorption in CO <sub>2</sub> -Loaded Aqueous Amine Solution. <b>2021</b> , 60, 2698-2709	0
474	In Situ Hydrodeoxygenation of Phenol as a Model Compound for Pyrolysis Oil Using Raney Ni and Molecular Sieve Catalysts. <b>2021</b> , 35, 4138-4147	5
473	Heterostructural transformation of mesoporous silica-titania hybrids. <b>2021</b> , 11, 3210	6
472	Research progress of heterogeneous Fenton catalyst for organic wastewater treatment. 651, 042025	
471	The Synthesis and Application of Functionalized Mesoporous Silica SBA-15 as Heterogeneous Catalyst in Organic Synthesis. <b>2021</b> , 25, 361-387	11
470	Photoluminescence study of SBA-15@ZnO/Au nanocomposite for potential use in Staphylococcus aureus detection. <b>2021</b> , 28, 989	0
469	Enhanced release rate of the poorly water-soluble ginsenoside Rg3 with ordered meso/macroporous silica. <b>2021</b> , 28, 711-716	
468	Engineering and Performance of Ruthenium Complexes Immobilized on Mesoporous Siliceous Materials as Racemization Catalysts. <b>2021</b> , 11, 316	2
467	Release of lanthanum cations loaded into piperazine-modified SBA-15 to inhibit the mild steel corrosion. <b>2021</b> , 315, 110908	1

466	Potential low-cost carbon-based adsorbent from gold mine tailings for anionic dye removal. <b>2021</b> , 83, 1300-1314	2
465	Tailoring pore structures and morphologies of highly ordered cubic mesoporous silica prepared in mild conditions: the effects of reaction parameters. <b>2021</b> , 57, 663	
464	Comparative study of crystallization, semicrystalline morphology, and molecular mobility in nanocomposites based on polylactide and various inclusions at low filler loadings. <b>2021</b> , 217, 123457	15
463	Bottom-Up Development of Nanoimprinted PLLA Composite Films with Enhanced Antibacterial Properties for Smart Packaging Applications. <b>2021</b> , 1, 49-63	9
462	A comprehensive study on removal of cadmium from aqueous solution by using mesoporous SBA-15 functionalized by 1,5-diphenyl carbazide: experimental design, kinetic, thermodynamic, and isotherm aspects. <b>2021</b> , 24, 43-59	0
461	Mechanisms and Intermediates in the True Liquid Crystal Templating Synthesis of Mesoporous Silica Materials. <b>2021</b> , 125, 3197-3207	3
460	Effect of Time, Temperature and Stirring Rate Used in the First Step of the Synthesis of SBA-15 on Its Application as Reductor of Tars in Tobacco Smoke. <b>2021</b> , 11, 375	3
459	Hybrid mesoporous nanostructured scaffolds as dielectric biosimilar restorative materials. <b>2021</b> , 32, 243-255	0
458	Amine and thiol functionalization of SBA-15 nanoparticles for highly efficient adsorption of sulfuraphane. <b>2021</b> , 32, 779-790	5
457	Hydrogen storage performance of methyl-substituted mesoporous silica with tailored textural characteristics. <b>2021</b> , 28, 1049	2
456	Application of Core/Shell Nanoparticles in Smart Farming: A Paradigm Shift for Making the Agriculture Sector More Sustainable. <b>2021</b> , 69, 3267-3283	8
455	The Finite Pore Volume GAB Adsorption Isotherm Model as a Simple Tool to Estimate a Diameter of Cylindrical Nanopores. <b>2021</b> , 26,	1
454	Influence of the Morphology of Mesoporous Carbon on the Electrocatalytic Activity of Pt in Oxygen Reduction. <b>2021</b> , 94, 362-369	
453	Characterization of H <sub>4</sub> SiW <sub>12</sub> O <sub>40</sub> supported on mesoporous silica (SBA-15), non-structured amorphous silica and alumina. <b>2021</b> , 395, 387-398	1
452	MOF-on-MOF hybrids: Synthesis and applications. <b>2021</b> , 432, 213743	49
451	Bulk and confined alkanols by spin probe ESR: Effects of pore size, pore surface composition and pore topology on n-propanol in a series of mesoporous silica-based matrices. <b>2021</b> , 557, 120647	0
450	Hydroxylation methods for mesoporous silica and their impact on surface functionalisation. <b>2021</b> , 317, 110989	5
449	Connecting theory and simulation with experiment for the study of diffusion in nanoporous solids. <b>2021</b> , 27, 683-760	25

448	Properties of mesoporous Al-SBA-15 from one-pot hydrothermal synthesis with different aluminium precursors and catalytic performances in xylose conversion to furfural. <b>2021</b> , 317, 110999	7
447	In-situ incorporation of highly dispersed silver nanoparticles in nanoporous carbon nitride for the enhancement of antibacterial activities. <b>2021</b> , 408, 124919	10
446	Silica-Supported Nanoparticles as Heterogeneous Catalysts. <b>2021</b> , 215-238	1
445	Application of microwave radiation in the grafting of acidic sites on SBA-15 type material. <b>2021</b> , 28, 1261	0
444	Kinetic study of distillation and cracking of heavy oil on bimodal meso-macroporous materials of silica and aluminosilicate by thermogravimetry. 1	0
443	PEI grafted Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> @SBA-15 labeled FA as a pH-sensitive mesoporous magnetic and biocompatible nanocarrier for targeted delivery of doxorubicin to MCF-7 cell line. <b>2021</b> , 615, 126302	2
442	Robust Hydrogen Production from Additive-Free Formic Acid via Mesoporous Silica-Confined Pd-ZrO <sub>2</sub> Nanoparticles at Room Temperature. <b>2021</b> , 4, 4945-4954	6
441	Mesoporous silica nanoparticles as a versatile nanocarrier for cancer treatment: A review. <b>2021</b> , 328, 115417	7
440	Dynamics of heterogeneous wetting in periodic hybrid nanopores. <b>2021</b> , 154, 164710	0
439	Magnetic Characterization and Moderate Cytotoxicity of Magnetic Mesoporous Silica Nanocomposite for Drug Delivery of Naproxen. <b>2021</b> , 11,	3
438	Pd(5%)-KIT-6, Pd(5%)-SBA-15 and Pd(5%)-SBA-16 catalysts in water extract of pomegranate ash: A case study in heterogenization of Suzuki-Miyaura reaction under external base and ligand free conditions. <b>2021</b> , 19, 100371	9
437	The ordered mesoporous carbon nitride-graphene aerogel nanocomposite for high-performance supercapacitors. <b>2021</b> , 494, 229741	9
436	Zirconia-Based Solid Acid Catalysts for Biomass Conversion. <b>2021</b> , 35, 9209-9227	2
435	Activity of Ni-NH <sub>2</sub> /Mesoporous Silica Material as Bifunctional Catalyst for Hydrocracking of Used Cooking Oil. 884, 83-89	
434	Controllable Multicomponent Co-Assembly Approach to Ordered Mesoporous Zirconia Supported with Well-Dispersed Tungsten Oxide Clusters as High-Performance Catalysts. <b>2021</b> , 13, 2863-2872	1
433	The Influence of Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> Preparation Method on Lithium-Ion Capacitor Performance. <b>2021</b> , 7, 33	2
432	Exploring of Potential Antibacterial Activity of Hypochlorite and Chloroamine Adsorbed Ammonium Functionalized Mesoporous SBA-15 Silica. <b>2021</b> , 4, 599-605	1
431	Hierarchical Hybrid Supports and Synthesis Strategies for Hydrodesulfurization of Recalcitrance Organosulfur Compounds. <b>2021</b> , 16, 1307-1323	1

430	Base-Free Benzyl Alcohol Aerobic Oxidation Catalyzed by AuPdNPs Supported on SBA-15 and TiO <sub>2</sub> /SBA-15 Mesoporous Materials. 1	0
429	Preparation and Characterization of Polystyrene Hybrid Composites Reinforced with 2D and 3D Inorganic Fillers. <b>2021</b> , 1, 3-14	1
428	Identification of Active Sites in the Catalytic Oxidation of 2-Propanol over Co <sub>1+x</sub> Fe <sub>2</sub> O <sub>4</sub> Spinel Oxides at Solid/Liquid and Solid/Gas Interfaces. <b>2021</b> , 13, 2942-2951	7
427	Self-Assembly of Single-Diamond-Surface Networks. <b>2021</b> , 60, 15236-15242	3
426	Pd Nanoparticles Stabilized on the Cross-Linked Melamine-Based SBA-15 as a Catalyst for the Mizoroki-Heck Reaction. 1	0
425	Electrospun Metal Oxide Nanofibers and Their Conductometric Gas Sensor Application. Part 2: Gas Sensors and Their Advantages and Limitations. <b>2021</b> , 11,	5
424	Chiral Nanochannels of Ordered Mesoporous Silica Constructed by a Pillar[5]arene-Based Host-Guest System. <b>2021</b> , 13, 27305-27312	5
423	Investigation of the silica pore size effect on the performance of polysulfone (PSf) mixed matrix membranes (MMMs) for gas separation. <b>2021</b> , 41, 627-636	0
422	Synthesis of Dimethyl Carbonate from CO <sub>2</sub> and Methanol over Zr-Based Catalysts with Different Chemical Environments. <b>2021</b> , 11, 710	3
421	Construction of Fe <sub>2</sub> O <sub>3</sub> loaded and mesopore confined thin-layer titania catalyst for efficient NH <sub>3</sub> -SCR of NO <sub>x</sub> with enhanced H <sub>2</sub> O/SO <sub>2</sub> tolerance. <b>2021</b> , 287, 119982	11
420	A tetra-cationic tetrapyridinoporphyrazinato Iron(II) grafted onto sulfonated SBA-15 as a novel heterogeneous catalyst for the aerobic oxidation of C(sp <sup>3</sup> )-H bonds in alkanes. <b>2021</b> , 552, 149379	4
419	Direct imaging of the structural transition and interconversion of macroporous bicontinuous diamond-surface structure. <b>2021</b> , 320, 111084	
418	Removal of Pesticides from Waters by Adsorption: Comparison between Synthetic Zeolites and Mesoporous Silica Materials. A Review. <b>2021</b> , 14,	7
417	Synthesis of multiple heteroatom-doped mesoporous carbon/silica composites for supercapacitors. <b>2021</b> , 414, 128796	29
416	Mesoporous LaFeO <sub>3</sub> : Synergistic Effect of Adsorption and Visible Light Photo-Fenton Processes for Phenol Removal from Refinery Wastewater. <b>2021</b> , 2021, 1-11	0
415	Fabrication of mesoporous WO <sub>3</sub> -SBA-15 catalysts and enhanced photocatalytic degradation of harmful dyes. <b>2021</b> , 235, 166599	5
414	Effect of Reaction Time and Hydrothermal Treatment Time on the Textural Properties of SBA-15 Synthesized Using Sodium Silicate as a Silica Source and Its Efficiency for Reducing Tobacco Smoke Toxicity. <b>2021</b> , 11, 808	
413	Multiple Roles of Mesoporous Silica in Safe Pesticide Application by Nanotechnology: A Review. <b>2021</b> , 69, 6735-6754	9

412	Synthesis, functionalization, and environmental application of silica-based mesoporous materials of the M41S and SBA-n families: A review. <b>2021</b> , 9, 105259	24
411	Vanadium C-scorpionate supported on mesoporous aptes-functionalized SBA-15 as catalyst for the peroxidative oxidation of benzyl alcohol. <b>2021</b> , 320, 111111	1
410	Self-Assembly of Single-Diamond-Surface Networks. <b>2021</b> , 133, 15364-15370	0
409	Electrostatic immobilization of ionic liquids onto SBA-15 as heterogenized catalysts for esterification of oleic acid with trimethylolpropane. <b>2021</b> , 28, 1553-1562	1
408	Effect of copper dispersion on SBA-15 and SBA-16 affinity towards carbon dioxide approach through thermal programmed desorption. <b>2021</b> , 23, 1	1
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200	Amphiphilic Self-Assembly in the Synthesis and Processing of Nanomaterials. <b>2022</b> , 475-514	
199	Effective photodegradation of 2,4-dichlorophenoxyacetic acid on TiO <sub>2</sub> nanocrystals anchored on SBA-15 mesoporous material. 1	0
198	Pd(0)-impregnated SBA-15/melamine-formaldehyde nanocomposite: an efficient and reusable catalyst for reduction in nitroarenes. <b>2022</b> , 128, 1	1
197	Polymeric coating lubricates nanocontainers to escape macrophage uptake for bioreceptor recognition.. <b>2022</b> , 14, 120-133	2

196	Cisplatin-cyclooxygenase inhibitor conjugates, free and immobilised in mesoporous silica SBA-15, prove highly potent against triple-negative MDA-MB-468 breast cancer cell line. <b>2021</b> ,	3
195	Effects of Pore Size and Crosslinking Methods on the Immobilization of Myoglobin in SBA-15.. <b>2021</b> , 9, 827552	1
194	The effect of modifying group on the acid properties and catalytic performance of sulfonated mesoporous polydivinylbenzene solid acid in the Bisphenol-A synthesis reaction. <b>2022</b> , 171, 105156	1
193	Controlled template removal from nanocast La <sub>0.8</sub> Sr <sub>0.2</sub> FeO <sub>3</sub> for enhanced CO <sub>2</sub> conversion by reverse water gas shift chemical looping. <b>2022</b> , 56, 101845	2
192	Recent advances in application of iron-based catalysts for CO hydrogenation to value-added hydrocarbons. <b>2022</b> , 43, 731-754	4
191	Enhanced removal of radium from radioactive oil sludge using microwave irradiation and non-ionic surfactant. <b>2022</b> , 211, 110168	0
190	Improved solubility of lornoxicam by inclusion into SBA-15: comparison of loading methods.. <b>2022</b> , 171, 106133	3
189	Thermal catalytic conversion of bioderived oils to biodiesel with sulfonic acid functionalized solid materials. <b>2022</b> , 163-209	
188	Synergistically Tailoring Mechanical and Optical Properties of Diblock Copolymer Thermoplastic Elastomers via Lanthanide Coordination.	3
187	Recent Advances of Mesoporous Silica as a Platform for Cancer Immunotherapy.. <b>2022</b> , 12,	2
186	Magnetic Mesoporous Silica Nanorods Loaded with Ceria and Functionalized with Fluorophores for Multimodal Imaging.. <b>2022</b> , 5, 2113-2125	2
185	Confining deep eutectic solvents in nanopores: Insight into thermodynamics and chemical activity. <b>2022</b> , 349, 118488	0
184	The synthesis of mesoporous silica film using multi-templates directing and the effects of inorganic acids. <b>2022</b> , 280, 125808	1
183	Ternary FeS/Fe <sub>2</sub> O <sub>3</sub> @N/S-doped carbon nanohybrids dispersed in an ordered mesoporous silica for efficient peroxydisulfate activation. <b>2022</b> , 435, 135124	0
182	Catalytic pyrolysis of coconut oil with Ni/SBA-15 for the production of bio jet fuel.. <b>2022</b> , 12, 10163-10176	1
181	An Efficient Thiol and Trifluoromethanesulfonyl Difunctional Sulfonated Mesoporous Polydivinylbenzene Solid Acid: Cooperative Effect of Steric Hindrance and Acidity. <b>2022</b> , 7,	
180	Novel Mesoporous Organosilicas with Task Ionic Liquids: Properties and High Adsorption Performance for Pb(II).. <b>2022</b> , 27,	
179	The Fabrication of PMo <sub>11</sub> Fe Cluster Supporting on SBA-15 and Catalytic Epoxidation of Cyclooctene with H <sub>2</sub> O <sub>2</sub> as Oxidant. 1	1

178	SBA-15 Mesoporous Silica as Delivery Vehicle for rhBMP-2 Bone Morphogenic Protein for Dental Applications.. <b>2022</b> , 12,	1
177	Synthesis of Si-Modified Pseudo-Boehmite@kaolin Composite and Its Application as a Novel Matrix Material for FCC Catalyst.. <b>2022</b> , 15,	0
176	Pore Size Distribution Analysis Using Developing Hysteresis of Nitrogen in the Cylindrical Pores of Silica.. <b>2022</b> ,	1
175	Mesostructured Silicas as Cation-Exchange Sorbents in Packed or Dispersive Solid Phase Extraction for the Determination of Tropane Alkaloids in Culinary Aromatics Herbs by HPLC-MS/MS.. <b>2022</b> , 14,	3
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173	Modification of mesoporous structure of silver-doped bioactive glass with antibacterial properties for bone tissue applications. <b>2022</b> , 48, 8276-8285	0
172	Levulinic Acid Production: Comparative Assessment of Al-Rich Ordered Mesoporous Silica and Microporous Zeolite. 1	1
171	Ultrasonic Synthesis of Al-SBA-15 Nanoporous Catalyst for t-Butylation of Ethylbenzene. <b>2022</b> , 2022, 1-10	0
170	One pot Synthesis of Chromium Incorporated SBA-16 under acid medium-Application in the selective oxidation of benzyl alcohol derivatives. <b>2022</b> , 103861	
169	Strategies for MR Formulation Development. <b>2022</b> , 161-179	
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167	Synergistic effect of amino-functionalized SBA-15 in Cu-catalyzed oxidative homocoupling of phenylacetylene. <b>2022</b> , 635, 118570	0
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165	Preparation of zinc oxide graphed nickel incorporated mesoporous SBA-16 doped graphene oxide: An efficient catalyst for transesterification of waste edible oil to biodiesel and photocatalytic degradation of organic dyes. <b>2022</b> , 139, 109379	1
164	Preparation and modulation of Cu-BTC-(n)Br/MCFs with water stability and its application for CO <sub>2</sub> capture. <b>2022</b> , 10, 107564	
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158	Bimetallic Niobium-Based Catalysts Supported on SBA-15 for Hydrodeoxygenation of Anisole.. <b>2021</b> , 60, 18831-18840	1
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149	Role of Zeolite Structural Properties toward Iodine Capture: A Head-to-head Evaluation of Framework Type and Chemical Composition.. <b>2022</b> ,	2
148	The modification of titanium in mesoporous silica for Co-based Fischer-Tropsch catalysts. 1	1
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76	Fabrication of bimetallic Cu-Zn adsorbents with high dispersion by using confined space for gas adsorptive separation.	0
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