

Freddy Kleitz

List of Publications by Year in descending order

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168
papers

12,836
citations

22099

59
h-index

24915

109
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182
all docs

182
docs citations

182
times ranked

14950
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanocast nitrogen-containing ordered mesoporous carbons from glucosamine for selective CO ₂ capture. <i>Materials Today Sustainability</i> , 2022, 17, 100089.	1.9	9
2	Selective ligand removal to improve accessibility of active sites in hierarchical MOFs for heterogeneous photocatalysis. <i>Nature Communications</i> , 2022, 13, 282.	5.8	83
3	A Covalent Organic Framework/Graphene Dual-Region Hydrogel for Enhanced Solar-Driven Water Generation. <i>Journal of the American Chemical Society</i> , 2022, 144, 3083-3090.	6.6	115
4	A perspective on developing solid-phase extraction technologies for industrial-scale critical materials recovery. <i>Green Chemistry</i> , 2022, 24, 2752-2765.	4.6	24
5	Targeting Gut Bacteria Using Inulin-Conjugated Mesoporous Silica Nanoparticles (<i>Adv. Mater.</i>) Tj ETQq1 1 0.784314 rgBT /Overlock	1.9	1
6	Defect-Engineered Hydroxylated Mesoporous Spinel Oxides as Bifunctional Electrocatalysts for Oxygen Reduction and Evolution Reactions. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 23307-23321.	4.0	33
7	TANNylation of mesoporous silica nanoparticles and bioactivity profiling in intestinal cells. <i>Journal of Colloid and Interface Science</i> , 2022, 623, 962-973.	5.0	1
8	Ultrathin Covalent Organic Framework Anchored on Graphene for Enhanced Organic Pollutant Removal. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	25
9	On the importance of the linking chemistry for the PEGylation of mesoporous silica nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2021, 589, 453-461.	5.0	29
10	Irreversible Adsorption of Serum Proteins onto Nanoparticles. <i>Particle and Particle Systems Characterization</i> , 2021, 38, .	1.2	4
11	Facile Synthesis of Spatially-Functionalized Core-Shell Nanocatalysts with 3-Mesopore Structure. <i>ChemCatChem</i> , 2021, 13, 1140-1145.	1.8	3
12	Reassessing the Physicochemical Properties of Ordered Mesoporous Polymer and Copolymer Nanocasts. <i>Chemie-Ingenieur-Technik</i> , 2021, 93, 916-928.	0.4	3
13	Insights into the intraparticle morphology of dendritic mesoporous silica nanoparticles from electron tomographic reconstructions. <i>Journal of Colloid and Interface Science</i> , 2021, 592, 296-309.	5.0	9
14	Metal-Free Hyper-Cross-Linked Polymers from Benzyl Methyl Ethers: A Route to Polymerization Catalyst Recycling. <i>Macromolecules</i> , 2021, 54, 9217-9222.	2.2	19
15	Evaporation-Induced Self-Assembly of Small Peptide-Conjugated Silica Nanoparticles. <i>Angewandte Chemie</i> , 2021, 133, 22882.	1.6	0
16	Evaporation-Induced Self-Assembly of Small Peptide-Conjugated Silica Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22700-22705.	7.2	10
17	Phosphonated mesoporous silica nanoparticles bearing ruthenium complexes used as molecular probes for tracking oxygen levels in cells and tissues. <i>RSC Advances</i> , 2021, 11, 5865-5873.	1.7	3
18	Incorporation of Cu/Ni in Ordered Mesoporous Co-Based Spinel to Facilitate Oxygen Evolution and Reduction Reactions in Alkaline Media and Aprotic Li ⁺ O ₂ Batteries. <i>ChemSusChem</i> , 2021, , .	3.6	9

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19	Mesoporous polymer-silica nanocomposites with stimuli responsive functional groups. <i>Microporous and Mesoporous Materials</i> , 2020, 291, 109690.	2.2	4
20	Silica nanoparticles: A promising platform for enhanced oral delivery of macromolecules. <i>Journal of Controlled Release</i> , 2020, 326, 544-555.	4.8	75
21	Understanding Selectivity of Mesoporous Silica-Grafted Diglycolamide-Type Ligands in the Solid-Phase Extraction of Rare Earths. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 57003-57016.	4.0	34
22	Nanocast Mixed Ni-Co-Mn Oxides with Controlled Surface and Pore Structure for Electrochemical Oxygen Evolution Reaction. <i>ACS Applied Energy Materials</i> , 2020, 3, 5597-5609.	2.5	20
23	Morphology-transport relationships for SBA-15 and KIT-6 ordered mesoporous silicas. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 11314-11326.	1.3	37
24	Exploring the confinement of polymer nanolayers into ordered mesoporous silica using advanced gas physisorption. <i>Journal of Colloid and Interface Science</i> , 2020, 579, 489-507.	5.0	10
25	Pore confinement and surface charge effects in protein-mesoporous silica nanoparticles formulation for oral drug delivery. <i>Microporous and Mesoporous Materials</i> , 2020, 306, 110482.	2.2	16
26	A microfluidic approach to micromembrane synthesis for complex release profiles of nanocarriers. <i>Lab on A Chip</i> , 2020, 20, 1066-1071.	3.1	12
27	Smart Protein-Based Formulation of Dendritic Mesoporous Silica Nanoparticles: Toward Oral Delivery of Insulin. <i>Chemistry - A European Journal</i> , 2020, 26, 5195-5199.	1.7	26
28	Gastro-protective protein-silica nanoparticles formulation for oral drug delivery: In vitro release, cytotoxicity and mitochondrial activity. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020, 151, 171-180.	2.0	24
29	Dynamic Electric Field Alignment of Metal-Organic Framework Microrods. <i>Journal of the American Chemical Society</i> , 2019, 141, 12989-12993.	6.6	20
30	Mesoporous Nanocast Electrocatalysts for Oxygen Reduction and Oxygen Evolution Reactions. <i>Inorganics</i> , 2019, 7, 98.	1.2	17
31	Direct ink writing of catalytically active UiO-66 polymer composites. <i>Chemical Communications</i> , 2019, 55, 2190-2193.	2.2	57
32	Stereolithographic 3D printing of extrinsically self-healing composites. <i>Scientific Reports</i> , 2019, 9, 388.	1.6	42
33	Size-Selective Separation of Rare Earth Elements Using Functionalized Mesoporous Silica Materials. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 23681-23691.	4.0	41
34	Selective separation and preconcentration of Th(^{IV}) using organo-functionalized, hierarchically porous silica monoliths. <i>Journal of Materials Chemistry A</i> , 2019, 7, 289-302.	5.2	33
35	Synthesis of Engineered Zeolitic Materials: From Classical Zeolites to Hierarchical Core-Shell Materials. <i>Advanced Materials</i> , 2018, 30, e1704439.	11.1	114
36	Synthesis and radiometric evaluation of diglycolamide functionalized mesoporous silica for the chromatographic separation of actinides Th, Pa and U. <i>Dalton Transactions</i> , 2018, 47, 5189-5195.	1.6	19

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37	Iron-Modified Mesoporous Silica as an Efficient Solid Lewis Acid Catalyst for the Mukaiyama Aldol Reaction. <i>ACS Catalysis</i> , 2018, 8, 1932-1944.	5.5	40
38	On the nanopore confinement of therapeutic drugs into mesoporous silica materials and its implications. <i>Microporous and Mesoporous Materials</i> , 2018, 270, 109-119.	2.2	50
39	Designed Synthesis of Mesoporous Solid-Supported Lewis Acid-Base Pairs and Their CO ₂ Adsorption Behaviors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 13199-13210.	4.0	25
40	Selective Separation and Preconcentration of Scandium with Mesoporous Silica. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 448-457.	4.0	59
41	Disulfide-Bridged Organosilica Frameworks: Designed, Synthesis, Redox-Triggered Biodegradation, and Nanobiomedical Applications. <i>Advanced Functional Materials</i> , 2018, 28, 1707325.	7.8	150
42	A Toolbox for the Synthesis of Multifunctionalized Mesoporous Silica Nanoparticles for Biomedical Applications. <i>ACS Omega</i> , 2018, 3, 17496-17510.	1.6	48
43	Spray-Dried Mesoporous Mixed Cu-Ni Oxide@Graphene Nanocomposite Microspheres for High Power and Durable Li-Ion Battery Anodes. <i>Advanced Energy Materials</i> , 2018, 8, 1802438.	10.2	70
44	Recent Advances in the Separation of Rare Earth Elements Using Mesoporous Hybrid Materials. <i>Chemical Record</i> , 2018, 18, 1261-1276.	2.9	73
45	Hindered Diffusion in Ordered Mesoporous Silicas: Insights from Pore-Scale Simulations in Physical Reconstructions of SBA-15 and KIT-6 Silica. <i>Journal of Physical Chemistry C</i> , 2018, 122, 12350-12361.	1.5	56
46	Functionalization of Mesoporous Carbon Materials for Selective Separation of Lanthanides under Acidic Conditions. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 12003-12012.	4.0	63
47	Carbon Dioxide Oversolubility in Nanoconfined Liquids for the Synthesis of Cyclic Carbonates. <i>ChemCatChem</i> , 2017, 9, 1886-1890.	1.8	25
48	Lewis acidity quantification and catalytic activity of Ti, Zr and Al-supported mesoporous silica. <i>Dalton Transactions</i> , 2017, 46, 3864-3876.	1.6	38
49	Catalytic conversion of syngas to higher alcohols over mesoporous perovskite catalysts. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 51, 196-205.	2.9	18
50	Selectively Tuned Pore Condensation and Hysteresis Behavior in Mesoporous SBA-15 Silica: Correlating Material Synthesis to Advanced Gas Adsorption Analysis. <i>Journal of Physical Chemistry C</i> , 2017, 121, 24505-24526.	1.5	50
51	Highly Efficient and Selective Recovery of Rare Earth Elements Using Mesoporous Silica Functionalized by Preorganized Chelating Ligands. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 38584-38593.	4.0	72
52	Antibody-conjugated mesoporous silica nanoparticles for brain microvessel endothelial cell targeting. <i>Journal of Materials Chemistry B</i> , 2017, 5, 7721-7735.	2.9	39
53	Evaluation of mesoporous silica nanoparticles for oral drug delivery – current status and perspective of MSNs drug carriers. <i>Nanoscale</i> , 2017, 9, 15252-15277.	2.8	177
54	Fluorinated Mesoporous Silica Nanoparticles for Binuclear Probes in ¹ H and ¹⁹ F Magnetic Resonance Imaging. <i>Langmuir</i> , 2017, 33, 10531-10542.	1.6	21

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55	<i>In Vitro</i> Dissolution, Cellular Membrane Permeability, and Anti-Inflammatory Response of Resveratrol-Encapsulated Mesoporous Silica Nanoparticles. <i>Molecular Pharmaceutics</i> , 2017, 14, 4431-4441.	2.3	82
56	Size-Controlled Functionalized Mesoporous Silica Nanoparticles for Tunable Drug Release and Enhanced Anti-Tumoral Activity. <i>Chemistry of Materials</i> , 2016, 28, 4243-4258.	3.2	132
57	Smart surface-enhanced Raman scattering traceable drug delivery systems. <i>Nanoscale</i> , 2016, 8, 12803-12811.	2.8	17
58	Insights into the pore structure of KIT-6 and SBA-15 ordered mesoporous silica – recent advances by combining physical adsorption with mercury porosimetry. <i>New Journal of Chemistry</i> , 2016, 40, 4351-4360.	1.4	44
59	Synthesis of microporous/mesoporous core-shell materials with crystalline zeolitic shell and supported metal oxide silica core. <i>CrystEngComm</i> , 2016, 18, 4452-4464.	1.3	1
60	Functionalization of mesoporous materials for lanthanide and actinide extraction. <i>Dalton Transactions</i> , 2016, 45, 14832-14854.	1.6	126
61	Nanostructured Organosilica Hybrids as Highly Efficient and Regenerable Sorbents for Rare Earth Extraction. <i>ACS Symposium Series</i> , 2016, , 107-117.	0.5	3
62	Mesoporous silica nanoparticles with organo-bridged silsesquioxane framework as innovative platforms for bioimaging and therapeutic agent delivery. <i>Biomaterials</i> , 2016, 91, 90-127.	5.7	224
63	Support effects in rare earth element separation using diglycolamide-functionalized mesoporous silica. <i>New Journal of Chemistry</i> , 2016, 40, 4325-4334.	1.4	38
64	Pore structure effects on the kinetics of methanol oxidation over nanocast mesoporous perovskites. <i>Chinese Journal of Catalysis</i> , 2016, 37, 32-42.	6.9	10
65	Synergy between structure direction and alkalinity toward fast crystallization, controlled morphology and high phase purity of ZSM-12 zeolite. <i>Microporous and Mesoporous Materials</i> , 2016, 227, 258-271.	2.2	18
66	Cancer-Cell-Specific Nuclear-Targeted Drug Delivery by Dual-Ligand-Modified Mesoporous Silica Nanoparticles. <i>Small</i> , 2015, 11, 5919-5926.	5.2	90
67	Zeolitic Core@Shell Adsorbents for the Selective Removal of Free Glycerol from Crude Biodiesel. <i>ChemSusChem</i> , 2015, 8, 2093-2105.	3.6	13
68	Mesoporous organosilica membranes: Effects of pore geometry and calcination conditions on the membrane distillation performance for desalination. <i>Desalination</i> , 2015, 370, 53-62.	4.0	19
69	Selective recovery of rare earth elements using chelating ligands grafted on mesoporous surfaces. <i>RSC Advances</i> , 2015, 5, 103782-103789.	1.7	47
70	Metal chelate grafting at the surface of mesoporous silica nanoparticles (MSNs): physico-chemical and biomedical imaging assessment. <i>Journal of Materials Chemistry B</i> , 2015, 3, 748-758.	2.9	26
71	Influence of confinement in mesoporous silica on diffusion of a mixture of carbon dioxide and an imidazolium-based ionic liquid by high field diffusion NMR. <i>Microporous and Mesoporous Materials</i> , 2015, 206, 177-183.	2.2	23
72	Nanoporous organosilica membrane for water desalination: Theoretical study on the water transport. <i>Journal of Membrane Science</i> , 2015, 482, 56-66.	4.1	33

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73	Synthesis of mesoporous carbon-silica nanocomposite water-treatment membranes using a triconstituent co-assembly method. <i>Journal of Materials Chemistry A</i> , 2015, 3, 10480-10491.	5.2	32
74	Role of Metal-Support Interactions, Particle Size, and Metal-Metal Synergy in CuNi Nanocatalysts for H ₂ Generation. <i>ACS Catalysis</i> , 2015, 5, 5505-5511.	5.5	150
75	Mesoporous Silica Nanoparticles under Sintering Conditions: A Quantitative Study. <i>Langmuir</i> , 2015, 31, 13011-13021.	1.6	24
76	Tunable stellate mesoporous silica nanoparticles for intracellular drug delivery. <i>Journal of Materials Chemistry B</i> , 2015, 3, 1712-1721.	2.9	66
77	Critical assessment of the base catalysis properties of amino-functionalized mesoporous polymer-SBA-15 nanocomposites. <i>Applied Catalysis A: General</i> , 2015, 504, 493-503.	2.2	30
78	A generalized method toward high dispersion of transition metals in large pore mesoporous metal oxide/silica hybrids. <i>Journal of Colloid and Interface Science</i> , 2015, 449, 102-114.	5.0	17
79	Large-pore mesoporous RuNi-doped TiO ₂ -Al ₂ O ₃ nanocomposites for highly efficient selective CO methanation in hydrogen-rich reformat gases. <i>Applied Catalysis B: Environmental</i> , 2015, 165, 752-762.	10.8	40
80	Intracellular Microenvironment-Responsive Dendrimer-Like Mesoporous Nanohybrids for Traceable, Effective, and Safe Gene Delivery. <i>Advanced Functional Materials</i> , 2014, 24, 7627-7637.	7.8	59
81	Frontispiece: Three-Dimensional Ordered Assembly of Thin-Shell Au/TiO ₂ Hollow Nanospheres for Enhanced Visible-Light-Driven Photocatalysis. <i>Angewandte Chemie - International Edition</i> , 2014, 53, n/a-n/a.	7.2	0
82	Three-Dimensional Ordered Assembly of Thin-Shell Au/TiO ₂ Hollow Nanospheres for Enhanced Visible-Light-Driven Photocatalysis. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6618-6623.	7.2	202
83	Nanoporous Sorbents: Nanostructured Hybrid Materials for the Selective Recovery and Enrichment of Rare Earth Elements (<i>Adv. Funct. Mater.</i> 18/2014). <i>Advanced Functional Materials</i> , 2014, 24, 2667-2667.	7.8	0
84	Synthesis, structural characterization, and electrochemical performance of nanocast mesoporous Cu/Fe-based oxides. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3065.	5.2	24
85	Nanostructured Hybrid Materials for the Selective Recovery and Enrichment of Rare Earth Elements. <i>Advanced Functional Materials</i> , 2014, 24, 2668-2676.	7.8	108
86	Nanocast LaNiO ₃ Perovskites as Precursors for the Preparation of Coke-Resistant Dry Reforming Catalysts. <i>ACS Catalysis</i> , 2014, 4, 3837-3846.	5.5	157
87	Nanocast mesoporous mixed metal oxides for catalytic applications. <i>Comptes Rendus Chimie</i> , 2014, 17, 641-655.	0.2	25
88	Mesoporous Silica Nanoparticles: Selective Surface Functionalization for Optimal Relaxometric and Drug Loading Performances. <i>Advanced Functional Materials</i> , 2014, 24, 5911-5923.	7.8	73
89	On the origin of the high capacitance of carbon derived from seaweed with an apparently low surface area. <i>Journal of Materials Chemistry A</i> , 2014, 2, 18998-19004.	5.2	65
90	Nanoporous ferrocene-based cross-linked polymers and their hydrogen sorption properties. <i>Microporous and Mesoporous Materials</i> , 2014, 188, 182-189.	2.2	20

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91	Design of multicomponent photocatalysts for hydrogen production under visible light using water-soluble titanate nanodisks. <i>Nanoscale</i> , 2014, 6, 4819-4829.	2.8	24
92	Ordered mesoporous Co ₃ O ₄ spinels as stable, bifunctional, noble metal-free oxygen electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2013, 1, 9992.	5.2	275
93	Manganese-impregnated mesoporous silica nanoparticles for signal enhancement in MRI cell labelling studies. <i>Nanoscale</i> , 2013, 5, 11499.	2.8	44
94	Design of water-soluble CdS@titanate@nickel nanocomposites for photocatalytic hydrogen production under sunlight. <i>Journal of Materials Chemistry A</i> , 2013, 1, 13308.	5.2	71
95	High-performance solid catalysts for H ₂ generation from ammonia borane: progress through synergetic Cu@Ni interactions. <i>Journal of Materials Chemistry A</i> , 2013, 1, 14790.	5.2	60
96	Nanoporous ammonium molybdophosphate@silica hybrids as regenerable ultra-selective extraction agents for radiocesium monitoring. <i>New Journal of Chemistry</i> , 2013, 37, 3877.	1.4	20
97	Luminescent Triarylboron-Functionalized Zinc Carboxylate Metal@Organic Framework. <i>Inorganic Chemistry</i> , 2013, 52, 1673-1675.	1.9	51
98	pH@Responsive Nutraceutical@Mesoporous Silica Nanoconjugates with Enhanced Colloidal Stability. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2318-2322.	7.2	84
99	Oxidation Stability of Nanographite Materials. <i>Advanced Energy Materials</i> , 2013, 3, 1176-1179.	10.2	22
100	Nanoporous organosilica membrane for water desalination. <i>Chemical Communications</i> , 2013, 49, 4534.	2.2	53
101	Confinement of the Grubbs catalyst in alkene-functionalized mesoporous silica. <i>Microporous and Mesoporous Materials</i> , 2013, 175, 170-177.	2.2	15
102	Enzyme@Responsive Controlled Release of Covalently Bound Prodrug from Functional Mesoporous Silica Nanospheres. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12486-12489.	7.2	151
103	Tailored Mesostructured Copper/Ceria Catalysts with Enhanced Performance for Preferential Oxidation of CO at Low Temperature. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12032-12035.	7.2	143
104	Mapping the location of grafted PNIPAAm in mesoporous SBA-15 silica using gas adsorption analysis. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 5651.	1.3	24
105	Large Pore Mesostructured Organosilica-Phosphonate Hybrids as Highly Efficient and Regenerable Sorbents for Uranium Sequestration. <i>Chemistry of Materials</i> , 2012, 24, 4166-4176.	3.2	116
106	Tabletability of whey protein isolates. <i>International Dairy Journal</i> , 2012, 27, 92-98.	1.5	11
107	Poly-L-lysine Functionalized Large Pore Cubic Mesostructured Silica Nanoparticles as Biocompatible Carriers for Gene Delivery. <i>ACS Nano</i> , 2012, 6, 2104-2117.	7.3	247
108	On the Interaction of Phosphines with High Surface Area Mesoporous Silica. <i>Journal of Physical Chemistry C</i> , 2012, 116, 25919-25927.	1.5	15

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109	Controlled Synthesis of Titanate Nanodisks as Versatile Building Blocks for the Design of Hybrid Nanostructures. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6608-6612.	7.2	28
110	Back Cover: Controlled Synthesis of Titanate Nanodisks as Versatile Building Blocks for the Design of Hybrid Nanostructures (<i>Angew. Chem. Int. Ed.</i> 27/2012). <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6794-6794.	7.2	1
111	Kinetics of Methanol Oxidation over Mesoporous Perovskite Catalysts. <i>ChemCatChem</i> , 2012, 4, 387-394.	1.8	40
112	Tailor-Made Mesoporous Ti-SBA-15 Catalysts for Oxidative Desulfurization of Refractory Aromatic Sulfur Compounds in Transport Fuel. <i>ChemCatChem</i> , 2012, 4, 687-697.	1.8	72
113	A solvothermal single-step route towards shape-controlled titanium dioxide nanocrystals. <i>Canadian Journal of Chemical Engineering</i> , 2012, 90, 8-17.	0.9	20
114	Yolk-Shell Hybrid Materials with a Periodic Mesoporous Organosilica Shell: Ideal Nanoreactors for Selective Alcohol Oxidation. <i>Advanced Functional Materials</i> , 2012, 22, 591-599.	7.8	346
115	Nanoreactors: Yolk-Shell Hybrid Materials with a Periodic Mesoporous Organosilica Shell: Ideal Nanoreactors for Selective Alcohol Oxidation (<i>Adv. Funct. Mater.</i> 3/2012). <i>Advanced Functional Materials</i> , 2012, 22, 661-661.	7.8	2
116	A New Route to Size and Population Control of Silver Clusters on Colloidal TiO ₂ Nanocrystals. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 2228-2234.	4.0	49
117	Phosphonate-functionalized large pore 3-D cubic mesoporous (KIT-6) hybrid as highly efficient actinide extracting agent. <i>Chemical Communications</i> , 2011, 47, 11525.	2.2	88
118	One-step-impregnation hard templating synthesis of high-surface-area nanostructured mixed metal oxides (NiFe ₂ O ₄ , CuFe ₂ O ₄ and Cu/CeO ₂). <i>Chemical Communications</i> , 2011, 47, 10473.	2.2	102
119	Large-scale synthesis of uniform silver orthophosphate colloidal nanocrystals exhibiting high visible light photocatalytic activity. <i>Chemical Communications</i> , 2011, 47, 7797.	2.2	160
120	Novel oxygen carriers for chemical looping combustion: La _{1-x} Ce _x BO ₃ (B = Co, Mn) perovskites synthesized by reactive grinding and nanocasting. <i>Energy and Environmental Science</i> , 2011, 4, 4258.	15.6	103
121	Enhanced Relaxometric Properties of MRI Positive-Contrast Agents Confined in Three-Dimensional Cubic Mesoporous Silica Nanoparticles. <i>Advanced Functional Materials</i> , 2011, 21, 4653-4662.	7.8	74
122	Substantiating the Influence of Pore Surface Functionalities on the Stability of Grubbs Catalyst in Mesoporous SBA-15 Silica. <i>Chemistry - A European Journal</i> , 2011, 17, 4254-4265.	1.7	35
123	Optimizing Silica Synthesis for the Preparation of Mesoporous Ti-SBA-15 Epoxidation Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 6977-6985.	1.8	51
124	Probing Adsorption, Pore Condensation, and Hysteresis Behavior of Pure Fluids in Three-Dimensional Cubic Mesoporous KIT-6 Silica. <i>Journal of Physical Chemistry C</i> , 2010, 114, 9344-9355.	1.5	183
125	Controlled Postgrafting of Titanium Chelates for Improved Synthesis of Ti-SBA-15 Epoxidation Catalysts. <i>Chemistry of Materials</i> , 2010, 22, 1988-2000.	3.2	99
126	Cavitation in Metastable Liquid Nitrogen Confined to Nanoscale Pores. <i>Langmuir</i> , 2010, 26, 10147-10157.	1.6	180

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127	Insights into pore surface modification of mesoporous polymer-silica composites: introduction of reactive amines. <i>New Journal of Chemistry</i> , 2010, 34, 355.	1.4	38
128	Large pore phenylene-bridged mesoporous organosilica with bicontinuous cubic Ia ₃ d (KIT-6) mesostructure. <i>Journal of Materials Chemistry</i> , 2010, 20, 8257.	6.7	23
129	Surface properties and epoxidation catalytic activity of Ti-SBA15 prepared by direct synthesis. <i>Journal of Materials Science</i> , 2009, 44, 6727-6735.	1.7	40
130	Organic solvent treatment and physicochemical properties of nanoporous polymer-SBA-15 composite materials. <i>Journal of Materials Science</i> , 2009, 44, 6538-6545.	1.7	10
131	Shape-Controlled Synthesis of Highly Crystalline Titania Nanocrystals. <i>ACS Nano</i> , 2009, 3, 3737-3743.	7.3	399
132	Grafted Amine/CO ₂ Interactions in (Gas)Liquid-Solid Adsorption/Absorption Equilibria. <i>Journal of Physical Chemistry C</i> , 2009, 113, 21866-21876.	1.5	15
133	Critical evaluation of the state of iron oxide nanoparticles on different mesoporous silicas prepared by an impregnation method. <i>Microporous and Mesoporous Materials</i> , 2008, 112, 327-337.	2.2	48
134	Polymer-Filled Composite Porous Catalytic Particles for Hydrodynamic Studies in Trickle-Bed Reactors. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 2569-2578.	1.8	5
135	A Comprehensive Study of Titanium-Substituted SBA-15 Mesoporous Materials Prepared by Direct Synthesis. <i>Journal of Physical Chemistry C</i> , 2008, 112, 14403-14411.	1.5	65
136	Tailoring mesoporosity and intrawall porosity in large pore silicas: synthesis and nitrogen sorption behavior. <i>Studies in Surface Science and Catalysis</i> , 2008, , 141-148.	1.5	9
137	Three-Dimensional large pore cubic silica mesophases with tailored pore topology: developments and characterization. <i>Studies in Surface Science and Catalysis</i> , 2007, 165, 57-60.	1.5	0
138	Large pore ordered mesoporous silica materials with 3D cubic Ia ₃ d structure: a comprehensive gas adsorption study. <i>Studies in Surface Science and Catalysis</i> , 2007, 170, 1843-1849.	1.5	9
139	Functionalized mesoporous organic-inorganic hybrids through pore surface-restricted post-polymerization. <i>Studies in Surface Science and Catalysis</i> , 2007, 170, 1836-1842.	1.5	2
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