Ryong Ryoo

List of Publications by Year
in descending order

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294 papers	38,653 citations	4103 90 h-index	3171 192 g-index
306 all docs	306 docs citations	306 times ranked	25204 citing authors

#	Article	IF	Citations
1	Doping effect of zeolite-templated carbon on electrical conductance and supercapacitance properties. Carbon, 2022, 193, 42-50.	5.4	15
2	Enhanced catalytic activity of phosphorus-modified SSZ-13 zeolite in the ethylene-to-propylene reaction by controlling acidity and intracrystalline diffusivity. Chemical Engineering Journal, 2022, 446, 137169.	6.6	7
3	Hydrogen spillover in nonreducible oxides: Mechanism and catalytic utilization. Nano Research, 2022, 15, 10357-10365.	5.8	14
4	Base-type nitrogen doping in zeolite-templated carbon for enhancement of carbon dioxide sorption. Journal of CO2 Utilization, 2022, 62, 102084.	3.3	5
5	Synergistic interactions between water and the metal/oxide interface in CO oxidation on Pt/CeO2 model catalysts. Catalysis Today, 2022, , .	2.2	3
6	Tailoring Multiple Porosities of Hierarchical ZSMâ€5 Zeolites by Carbon Dots for Highâ€Performance Catalytic Transformation. Advanced Materials Interfaces, 2021, 8, 2001846.	1.9	5
7	Cu oxide deposited on shape-controlled ceria nanocrystals for CO oxidation: influence of interface-driven oxidation states on catalytic activity. Catalysis Science and Technology, 2021, 11, 6134-6142.	2.1	19
8	White fluorescence of polyaromatics derived from methanol conversion in Ca²⁺-exchanged small-pore zeolites. Materials Chemistry Frontiers, 2021, 5, 4634-4644.	3.2	3
9	The facet effect of ceria nanoparticles on platinum dispersion and catalytic activity of methanol partial oxidation. Chemical Communications, 2021, 57, 7382-7385.	2.2	16
10	Synthesis of zeolite-templated carbons using oxygen-containing organic solvents. Microporous and Mesoporous Materials, 2021, 318, 111038.	2.2	14
11	Synergy of Extraframework Al³⁺ Cations and BrÃ¸nsted Acid Sites on Hierarchical ZSM-5 Zeolites for Butanol-to-Olefin Conversion. Journal of Physical Chemistry C, 2021, 125, 11665-11676.	1.5	12
12	Microporous 3D Grapheneâ€Like Carbon as Iodine Host for Zincâ€Based Batteryâ€“Supercapacitor Hybrid Energy Storage with Ultrahigh Energy and Power Densities. Advanced Energy and Sustainability Research, 2021, 2, 2100076.	2.8	11
13	PtZn Intermetallic Compound Nanoparticles in Mesoporous Zeolite Exhibiting High Catalyst Durability for Propane Dehydrogenation. ACS Catalysis, 2021, 11, 9233-9241.	5.5	46
14	Catalytic Interplay of Ga, Pt, and Ce on the Alumina Surface Enabling High Activity, Selectivity, and Stability in Propane Dehydrogenation. ACS Catalysis, 2021, 11, 10767-10777.	5.5	28
15	Influence of hierarchical ZSM-5 catalysts with various acidity on the dehydration of glycerol to acrolein. Magnetic Resonance Letters, 2021, 1, 71-80.	0.7	7
16	Engineering Active Sites in Threeâ€Dimensional Hierarchically Porous Grapheneâ€Like Carbon with Co and Nâ€Doped Carbon for Highâ€Performance Zincâ€Air Battery. ChemElectroChem, 2021, 8, 4038-4046.	1.7	5
17	Sodium-free synthesis of mesoporous zeolite to support Pt-Y alloy nanoparticles exhibiting high catalytic performance in propane dehydrogenation. Journal of Catalysis, 2021, 404, 760-770.	3.1	16
18	Nanosponge TSâ€1: A Fully Crystalline Hierarchical Epoxidation Catalyst. Advanced Materials Interfaces, 2021, 8, 2001288.	1.9	9

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19	Microporous 3D Grapheneâ€Like Carbon as Iodine Host for Zincâ€Based Batteryâ€“Supercapacitor Hybrid Energy Storage with Ultrahigh Energy and Power Densities. Advanced Energy and Sustainability Research, 2021, 2, 2170023.	2.8	1
20	Soft-to-hard consecutive templating one-pot route from metal nitrate/phenol resin/surfactant to mesoporous metal oxides with enhanced thermal stability. Microporous and Mesoporous Materials, 2020, 293, 109767.	2.2	10
21	Flame-made amorphous solid acids with tunable acidity for the aqueous conversion of glucose to levulinic acid. Green Chemistry, 2020, 22, 688-698.	4.6	14
22	Cascade reaction engineering on zirconia-supported mesoporous MFI zeolites with tunable Lewisâ€“BrÃ¸nsted acid sites: a case of the one-pot conversion of furfural to Î³-valerolactone. RSC Advances, 2020, 10, 35318-35328.	1.7	21
23	Highly dispersed Pt nanoclusters supported on zeolite-templated carbon for the oxygen reduction reaction. RSC Advances, 2020, 10, 32290-32295.	1.7	12
24	Rare-earthâ€“platinum alloy nanoparticles in mesoporous zeolite for catalysis. Nature, 2020, 585, 221-224.	13.7	233
25	Catalytic Synergy on PtNi Bimetal Catalysts Driven by Interfacial Intermediate Structures. ACS Catalysis, 2020, 10, 10459-10467.	5.5	53
26	Microporous 3D Graphene-like Zeolite-Templated Carbons for Preferential Adsorption of Ethane. ACS Applied Materials & Interfaces, 2020, 12, 28484-28495.	4.0	25
27	Mesopore-selective incorporation of strong BrÃ¸nsted acid catalytic sites via aluminium grafting on hierarchically porous siliceous MFI zeolite. Microporous and Mesoporous Materials, 2020, 305, 110353.	2.2	8
28	Atomic Scale Mechanisms Underlying Thermal Reshaping of Anisotropic Gold Nanocrystals Revealed by in Situ Electron Microscopy. Journal of Physical Chemistry C, 2020, 124, 12855-12863.	1.5	12
29	Self-organization of silicates on different length scales exemplified by amorphous mesoporous silica and mesoporous zeolite beta using multiammonium surfactants. RSC Advances, 2020, 10, 20928-20938.	1.7	4
30	Facile synthesis of mesoporous zeolite Y using seed gel and amphiphilic organosilane. Microporous and Mesoporous Materials, 2019, 288, 109579.	2.2	13
31	Birth of a class of nanomaterial. Nature, 2019, 575, 40-41.	13.7	30
32	Template dissolution with NaOHâ€“HCl in the synthesis of zeolite-templated carbons: Effects on oxygen functionalization andÂelectrical energy storage characteristics. Carbon, 2019, 155, 570-579.	5.4	32
33	Sulfonium-based organic structure-directing agents for microporous aluminophosphate synthesis. Microporous and Mesoporous Materials, 2019, 280, 75-81.	2.2	5
34	Ultrafast charge transfer coupled with lattice phonons in two-dimensional covalent organic frameworks. Nature Communications, 2019, 10, 1873.	5.8	93
35	Co₃O₄nanosheets on zeolite-templated carbon as an efficient oxygen electrocatalyst for a zincâ€“air battery. Journal of Materials Chemistry A, 2019, 7, 9988-9996.	5.2	60
36	Variation of nitrogen species in zeolite-templated carbon by low-temperature carbonization of pyrrole and the effect on oxygen reduction activity. Journal of Materials Chemistry A, 2019, 7, 8353-8360.	5.2	34

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37	Revisiting side-chain alkylation of toluene to styrene: Critical role of microporous structures in catalysts. Journal of Catalysis, 2019, 373, 25-36.	3.1	32
38	Oxygen activation on the interface between Pt nanoparticles and mesoporous defective TiO2 during CO oxidation. Journal of Chemical Physics, 2019, 151, 234716.	1.2	37
39	Anomalously High Lithium Storage in Three-Dimensional Graphene-like Ordered Microporous Carbon Electrodes. Journal of Physical Chemistry C, 2018, 122, 4955-4962.	1.5	15
40	Confinement of Supported Metal Catalysts at High Loading in the Mesopore Network of Hierarchical Zeolites, with Access via the Microporous Windows. ACS Catalysis, 2018, 8, 876-879.	5.5	44
41	Nanocage-Confined Synthesis of Fluorescent Polycyclic Aromatic Hydrocarbons in Zeolite. Journal of the American Chemical Society, 2018, 140, 7101-7107.	6.6	24
42	Zeolite-templated nanoporous carbon for high-performance supercapacitors. Journal of Materials Chemistry A, 2018, 6, 10388-10394.	5.2	66
43	Unraveling Direct Formation of Hierarchical Zeolite Beta by Dynamic Light Scattering, Small Angle X-ray Scattering, and Liquid and Solid-State NMR: Insights at the Supramolecular Level. Chemistry of Materials, 2018, 30, 2676-2686.	3.2	15
44	High utilization of methanol in toluene methylation using MFI zeolite nanosponge catalyst. Catalysis Today, 2018, 303, 143-149.	2.2	22
45	Supporting Nickel To Replace Platinum on Zeolite Nanosponges for Catalytic Hydroisomerization of n-Dodecane. ACS Catalysis, 2018, 8, 10545-10554.	5.5	76
46	Ultramicroporous Carbon Synthesis Using Lithium-Ion Effect in ZSM-5 Zeolite Template. Chemistry of Materials, 2018, 30, 6513-6520.	3.2	16
47	Boosting hot electron flux and catalytic activity at metalâ€“oxide interfaces of PtCo bimetallic nanoparticles. Nature Communications, 2018, 9, 2235.	5.8	80
48	Cooperative Structure Direction of Diammonium Surfactants and Sodium Ions to Generate MFI Zeolite Nanocrystals of Controlled Thickness. Chemistry of Materials, 2017, 29, 1752-1757.	3.2	33
49	Mesoporous MFI zeolites as high performance catalysts for Diels-Alder cycloaddition of bio-derived dimethylfuran and ethylene to renewable p-xylene. Applied Catalysis B: Environmental, 2017, 206, 490-500.	10.8	50
50	Surfactant-directed mesoporous zeolites with enhanced catalytic activity in tetrahydropyranylation of alcohols: Effect of framework type and morphology. Applied Catalysis A: General, 2017, 537, 24-32.	2.2	23
51	Highly monodisperse supported metal nanoparticles by basic ammonium functionalization of mesopore walls for industrially relevant catalysis. Chemical Communications, 2017, 53, 3810-3813.	2.2	14
52	Tomographic imaging of pore networks and connectivity of surfactant-directed mesoporous zeolites. Journal of Materials Chemistry A, 2017, 5, 11086-11093.	5.2	28
53	Facile large-scale synthesis of three-dimensional graphene-like ordered microporous carbon via ethylene carbonization in CaX zeolite template. Carbon, 2017, 118, 517-523.	5.4	37
54	Nonâ€Topotactic Transformation of Silicate Nanolayers into Mesostructured MFI Zeolite Frameworks During Crystallization. Angewandte Chemie - International Edition, 2017, 56, 5164-5169.	7.2	17

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55	Nonâ€Topotactic Transformation of Silicate Nanolayers into Mesostructured MFI Zeolite Frameworks During Crystallization. Angewandte Chemie, 2017, 129, 5246-5251.	1.6	3
56	Extremely high electrical conductance of microporous 3D graphene-like zeolite-templated carbon framework. Scientific Reports, 2017, 7, 11460.	1.6	23
57	Dry-gel synthesis of mesoporous MFI zeolite nanosponges using a structure-directing surfactant. Microporous and Mesoporous Materials, 2017, 240, 123-129.	2.2	20
58	Synthesis of mesoporous zeolites in fluoride media with structure-directing multiammonium surfactants. Microporous and Mesoporous Materials, 2017, 239, 19-27.	2.2	33
59	Mesoporous EU-1 zeolite as a highly active catalyst for ethylbenzene hydroisomerization. Catalysis Science and Technology, 2016, 6, 2735-2741.	2.1	14
60	N-doped zeolite-templated carbon as a metal-free electrocatalyst for oxygen reduction. RSC Advances, 2016, 6, 43091-43097.	1.7	24
61	Lanthanum-catalysed synthesis of microporous 3D graphene-like carbons in a zeolite template. Nature, 2016, 535, 131-135.	13.7	253
62	Impact of pore topology and crystal thickness of nanosponge zeolites on the hydroconversion of ethylbenzene. Catalysis Science and Technology, 2016, 6, 2653-2662.	2.1	9
63	Selective p-xylene production from biomass-derived dimethylfuran and ethylene over zeolite beta nanosponge catalysts. Applied Catalysis B: Environmental, 2016, 185, 100-109.	10.8	72
64	Mesoporous In-Sn binary oxides of crystalline framework with extended compositional variation. Microporous and Mesoporous Materials, 2016, 228, 14-21.	2.2	0
65	Nanostructured MFI-type zeolites as catalysts in glycerol etherification with tert -butyl alcohol. Journal of Molecular Catalysis A, 2016, 422, 115-121.	4.8	26
66	Anatase TiO2 nanosheets with surface acid sites for Friedelâ€“Crafts alkylation. Microporous and Mesoporous Materials, 2016, 222, 185-191.	2.2	28
67	Facile synthesis of carbon dot-Au nanoraspberries and their application as high-performance counter electrodes in quantum dot-sensitized solar cells. Carbon, 2016, 96, 139-144.	5.4	63
68	Mesostructured Zeolites. Green Chemistry and Sustainable Technology, 2016, , 101-148.	0.4	4
69	Coâ€development of Crystalline and Mesoscopic Order in Mesostructured Zeolite Nanosheets. Angewandte Chemie, 2015, 127, 941-945.	1.6	9
70	Synthesis of Silicate Zeolite Analogues Using Organic Sulfonium Compounds as Structureâ€Directing Agents. Angewandte Chemie - International Edition, 2015, 54, 12805-12808.	7.2	24
71	InnenrÃ¼cktitelbild: Synthesis of Silicate Zeolite Analogues Using Organic Sulfonium Compounds as Structure-Directing Agents (Angew. Chem. 43/2015). Angewandte Chemie, 2015, 127, 13015-13015.	1.6	0
72	Direct observation of bond formation in solution with femtosecond X-ray scattering. Nature, 2015, 518, 385-389.	13.7	207

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73	Synthesis of mesoporous carbons using silica templates impregnated with mineral acids. Microporous and Mesoporous Materials, 2015, 207, 156-162.	2.2	21
74	Corrigendum to â€œSpatial distribution, strength, and dealumination behavior of acid sites in nanocrystalline MFI zeolites and their catalytic consequencesâ€•[J. Catal. 288 (2012) 115â€“123]. Journal of Catalysis, 2015, 327, 96.	3.1	0
75	MFI zeolite nanosheets with post-synthetic Ti grafting for catalytic epoxidation of bulky olefins using H₂O₂. Chemical Communications, 2015, 51, 13102-13105.	2.2	42
76	Mesoporous titania with anatase framework synthesized using polyphenolic structure-directing agent: Synthesis domain and catalytic metal loading. Microporous and Mesoporous Materials, 2015, 212, 117-124.	2.2	9
77	Mesoporous MFI Zeolite Nanosponge as a High-Performance Catalyst in the Pechmann Condensation Reaction. ACS Catalysis, 2015, 5, 2596-2604.	5.5	74
78	Acid catalytic function of mesopore walls generated by MFI zeolite desilication in comparison with external surfaces of MFI zeolite nanosheet. Applied Catalysis A: General, 2015, 492, 68-75.	2.2	25
79	Coâ€development of Crystalline and Mesoscopic Order in Mesostructured Zeolite Nanosheets. Angewandte Chemie - International Edition, 2015, 54, 927-931.	7.2	40
80	Mesopore wall-catalyzed Friedelâ€“Crafts acylation of bulky aromatic compounds in MFI zeolite nanosponge. Catalysis Today, 2015, 243, 103-108.	2.2	44
81	Conversion of Kraft Lignin Over Hierarchical MFI Zeolite. Journal of Nanoscience and Nanotechnology, 2014, 14, 2414-2418.	0.9	18
82	Mesopore expansion of surfactant-directed nanomorphic zeolites with trimethylbenzene. Microporous and Mesoporous Materials, 2014, 194, 83-89.	2.2	8
83	Recent progress in scanning electron microscopy for the characterization of fine structural details of nano materials. Progress in Solid State Chemistry, 2014, 42, 1-21.	3.9	66
84	Annulation of Phenols: Catalytic Behavior of Conventional and 2â€‰D Zeolites. ChemCatChem, 2014, 6, 1919-1927.	1.8	21
85	High catalytic performance of surfactant-directed nanocrystalline zeolites for liquid-phase Friedelâ€“Crafts alkylation of benzene due to external surfaces. Applied Catalysis A: General, 2014, 470, 420-426.	2.2	62
86	Upgrading of bio-oil derived from biomass constituents over hierarchical unilamellar mesoporous MFI nanosheets. Catalysis Today, 2014, 232, 119-126.	2.2	66
87	Randomâ€Graft Polymerâ€Directed Synthesis of Inorganic Mesostructures with Ultrathin Frameworks. Angewandte Chemie - International Edition, 2014, 53, 5117-5121.	7.2	36
88	MFI zeolite nanosponges possessing uniform mesopores generated by bulk crystal seeding in the hierarchical surfactant-directed synthesis. Chemical Communications, 2014, 50, 4175-4177.	2.2	84
89	Mesoporous MFI Zeolite Nanosponge Supporting Cobalt Nanoparticles as a Fischerâ€“Tropsch Catalyst with High Yield of Branched Hydrocarbons in the Gasoline Range. ACS Catalysis, 2014, 4, 3919-3927.	5.5	101
90	Bulk crystal seeding in the generation of mesopores by organosilane surfactants in zeolite synthesis. Journal of Materials Chemistry A, 2014, 2, 11905-11912.	5.2	50

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91	Probing the Catalytic Function of External Acid Sites Located on the MFI Nanosheet for Conversion of Methanol to Hydrocarbons. Catalysis Letters, 2014, 144, 1164-1169.	1.4	39
92	Two-Minute Assembly of Pristine Large-Area Graphene Based Films. Nano Letters, 2014, 14, 1388-1393.	4.5	92
93	Diffusion Study by IR Micro-Imaging of Molecular Uptake and Release on Mesoporous Zeolites of Structure Type CHA and LTA. Materials, 2013, 6, 2662-2688.	1.3	30
94	A review of fine structures of nanoporous materials as evidenced by microscopic methods. Microscopy (Oxford, England), 2013, 62, 109-146.	0.7	44
95	Recent advances in the synthesis of hierarchically nanoporous zeolites. Microporous and Mesoporous Materials, 2013, 166, 3-19.	2.2	420
96	Catalytic performance of sheet-like Fe/ZSM-5 zeolites for the selective oxidation of benzene with nitrous oxide. Journal of Catalysis, 2013, 299, 81-89.	3.1	87
97	Molecular shape-selectivity of MFI zeolite nanosheets in n-decane isomerization and hydrocracking. Journal of Catalysis, 2013, 300, 70-80.	3.1	132
98	Ethanol-based synthesis of hierarchically porous carbon using nanocrystalline beta zeolite template for high-rate electrical double layer capacitor. Carbon, 2013, 60, 175-185.	5.4	57
99	Characterization of the Surface Acidity of MFI Zeolite Nanosheets by ³¹P NMR of Adsorbed Phosphine Oxides and Catalytic Cracking of Decalin. ACS Catalysis, 2013, 3, 713-720.	5.5	153
100	n-Heptane hydroisomerization over Pt/MFI zeolite nanosheets: Effects of zeolite crystal thickness and platinum location. Journal of Catalysis, 2013, 301, 187-197.	3.1	146
101	External Surface Catalytic Sites of Surfactant-Tailored Nanomorphic Zeolites for Benzene Isopropylation to Cumene. ACS Catalysis, 2013, 3, 192-195.	5.5	110
102	The effect of MFI zeolite lamellar and related mesostructures on toluene disproportionation and alkylation. Catalysis Science and Technology, 2013, 3, 2119.	2.1	74
103	Microporous Aluminophosphate Nanosheets and Their Nanomorphic Zeolite Analogues Tailored by Hierarchical Structure-Directing Amines. Journal of the American Chemical Society, 2013, 135, 8806-8809.	6.6	111
104	Capping with Multivalent Surfactants for Zeolite Nanocrystal Synthesis. Angewandte Chemie - International Edition, 2013, 52, 10014-10017.	7.2	85
105	Catalytic Conversion of Waste Particle Board to Bio-Oil Using Nanoporous Catalyst. Journal of Nanoscience and Nanotechnology, 2012, 12, 5367-5372.	0.9	9
106	Study of Argon Gas Adsorption in Ordered Mesoporous MFI Zeolite Framework. Journal of Physical Chemistry C, 2012, 116, 25300-25308.	1.5	19
107	Zeolite Synthesis Using Hierarchical Structure-Directing Surfactants: Retaining Porous Structure of Initial Synthesis Gel and Precursors. Chemistry of Materials, 2012, 24, 2733-2738.	3.2	83
108	Exploring the hierarchy of transport phenomena in hierarchical pore systems by NMR diffusion measurement. Microporous and Mesoporous Materials, 2012, 164, 273-279.	2.2	61

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109	Exploring Mass Transfer in Mesoporous Zeolites by NMR Diffusometry. Materials, 2012, 5, 699-720.	1.3	18
110	Efficient Functional Delivery of siRNA using Mesoporous Silica Nanoparticles with Ultralarge Pores. Small, 2012, 8, 1752-1761.	5.2	154
111	Zeolite nanosheet of a single-pore thickness generated by a zeolite-structure-directing surfactant. Journal of Materials Chemistry, 2012, 22, 4637.	6.7	86
112	A Standâ€Alone Mesoporous Crystal Structure Model from in situ Xâ€ray Diffraction: Nitrogen Adsorption on 3â€‰D Cagelike Mesoporous Silica SBAâ€16. Chemistry - A European Journal, 2012, 18, 10300-10311.	1.7	20
113	Intracrystalline Diffusion in Mesoporous Zeolites. ChemPhysChem, 2012, 13, 1495-1499.	1.0	41
114	Production of phenolics and aromatics by pyrolysis of miscanthus. Fuel, 2012, 97, 379-384.	3.4	112
115	Spatial distribution, strength, and dealumination behavior of acid sites in nanocrystalline MFI zeolites and their catalytic consequences. Journal of Catalysis, 2012, 288, 115-123.	3.1	134
116	Synthesis of ordered mesoporous MFI zeolite using CMK carbon templates. Microporous and Mesoporous Materials, 2012, 151, 107-112.	2.2	100
117	MFI Titanosilicate Nanosheets with Single-Unit-Cell Thickness as an Oxidation Catalyst Using Peroxides. ACS Catalysis, 2011, 1, 901-907.	5.5	206
118	Hierarchically Structure-Directing Effect of Multi-Ammonium Surfactants for the Generation of MFI Zeolite Nanosheets. Chemistry of Materials, 2011, 23, 5131-5137.	3.2	195
119	Surfactant-Directed Zeolite Nanosheets: A High-Performance Catalyst for Gas-Phase Beckmann Rearrangement. ACS Catalysis, 2011, 1, 337-341.	5.5	105
120	Facile Synthesis of Monodispersed Mesoporous Silica Nanoparticles with Ultralarge Pores and Their Application in Gene Delivery. ACS Nano, 2011, 5, 3568-3576.	7.3	328
121	Disordered Assembly of MFI Zeolite Nanosheets with a Large Volume of Intersheet Mesopores. Chemistry of Materials, 2011, 23, 1273-1279.	3.2	165
122	Structural Characterization of Nanosheet-type MFI Zeolite. Nihon Kessho Gakkaishi, 2011, 53, 135-140.	0.0	0
123	Catalytic Pyrolysis of Oil Fractions Separated from Food Waste Leachate Over Nanoporous Acid Catalysts. Journal of Nanoscience and Nanotechnology, 2011, 11, 6167-6171.	0.9	4
124	Mesopore generation by organosilane surfactant during LTA zeolite crystallization, investigated by high-resolution SEM and Monte Carlo simulation. Solid State Sciences, 2011, 13, 750-756.	1.5	38
125	Mesoporous Polymeric Support Retaining High Catalytic Activity of Polyoxotungstate for Liquidâ€Phase Olefin Epoxidation using H₂O₂. ChemCatChem, 2011, 3, 1435-1438.	1.8	32
126	Directing Zeolite Structures into Hierarchically Nanoporous Architectures. Science, 2011, 333, 328-332.	6.0	750

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127	Study of hydrogen physisorption on nanoporous carbon materials of different origin. International Journal of Hydrogen Energy, 2011, 36, 7937-7943.	3.8	24
128	Dynamics of water diffusion in mesoporous zeolites. Microporous and Mesoporous Materials, 2011, 142, 236-244.	2.2	62
129	Application of Hierarchical MFI Zeolite for the Catalytic Pyrolysis of Japanese Larch. Journal of Nanoscience and Nanotechnology, 2010, 10, 355-359.	0.9	40
130	Effect of mesoporosity against the deactivation of MFI zeolite catalyst during the methanol-to-hydrocarbon conversion process. Journal of Catalysis, 2010, 269, 219-228.	3.1	560
131	Highly valuable chemicals production from catalytic upgrading of radiata pine sawdust-derived pyrolytic vapors over mesoporous MFI zeolites. Applied Catalysis B: Environmental, 2010, 95, 365-373.	10.8	262
132	Highly Stable Pt/Ordered Graphitic Mesoporous Carbon Electrocatalysts for Oxygen Reduction. Journal of Physical Chemistry C, 2010, 114, 10796-10805.	1.5	90
133	Template synthesis of ordered mesoporous organic polymeric materials using hydrophobic silylated KIT-6 mesoporous silica. Journal of Materials Chemistry, 2010, 20, 5544.	6.7	53
134	Pillared MFI Zeolite Nanosheets of a Single-Unit-Cell Thickness. Journal of the American Chemical Society, 2010, 132, 4169-4177.	6.6	466
135	Large pore phenylene-bridged mesoporous organosilica with bicontinuous cubic Ia3Ì„d (KIT-6) mesostructure. Journal of Materials Chemistry, 2010, 20, 8257.	6.7	23
136	CrAPO-5 catalysts having a hierarchical pore structure for the selective oxidation of tetralin to 1-tetralone. New Journal of Chemistry, 2010, 34, 2971.	1.4	26
137	Mesoporous sodalite: A novel, stable solid catalyst for base-catalyzed organic transformations. Journal of Catalysis, 2009, 264, 88-92.	3.1	87
138	Expanded Heterogeneous Suzukiâ€“Miyaura Coupling Reactions of Aryl and Heteroaryl Chlorides under Mild Conditions. Advanced Synthesis and Catalysis, 2009, 351, 2912-2920.	2.1	85
139	High Catalytic Activity of Palladium(II)â€Exchanged Mesoporous Sodalite and NaA Zeolite for Bulky Aryl Coupling Reactions: Reusability under Aerobic Conditions. Angewandte Chemie - International Edition, 2009, 48, 3673-3676.	7.2	148
140	Stable single-unit-cell nanosheets of zeolite MFI as active and long-lived catalysts. Nature, 2009, 461, 246-249.	13.7	1,925
141	A tricontinuous mesoporous system. Nature Chemistry, 2009, 1, 105-106.	6.6	14
142	Syntheses of high quality KIT-6 and SBA-15 mesoporous silicas using low-cost water glass, through rapid quenching of silicate structure in acidic solution. Microporous and Mesoporous Materials, 2009, 124, 45-51.	2.2	70
143	The influence of metal loading and activation on mesoporous materials supported nickel phosphide hydrotreating catalysts. Applied Catalysis A: General, 2009, 365, 48-54.	2.2	39
144	The synthesis of a hierarchically porous BEA zeolite via pseudomorphic crystallization. Chemical Communications, 2009, , 2845.	2.2	73

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145	Cyclic diquaternary ammoniums for nanocrystalline BEA, MTW and MFI zeolites with intercrystalline mesoporosity. Journal of Materials Chemistry, 2009, 19, 6713.	6.7	71
146	Amine-impregnated silica monolith with a hierarchical pore structure: enhancement of CO2 capture capacity. Chemical Communications, 2009, , 3627.	2.2	301
147	Generation of Mesoporosity in LTA Zeolites by Organosilane Surfactant for Rapid Molecular Transport in Catalytic Application. Chemistry of Materials, 2009, 21, 5664-5673.	3.2	193
148	Palladium acetate immobilized in a hierarchical MFI zeolite-supported ionic liquid: a highly active and recyclable catalyst for Suzuki reaction in water. Green Chemistry, 2009, 11, 309.	4.6	112
149	Organic functionalization of mesopore walls in hierarchically porous zeolites. Chemical Communications, 2009, , 74-76.	2.2	67
150	Acidity and catalytic activity of mesoporous ZSM-5 in comparison with zeolite ZSM-5, Al-MCM-41 and silicaâ€“alumina. Catalysis Today, 2008, 132, 38-45.	2.2	106
151	p-Aminophenol synthesis in an organic/aqueous system using Pt supported on mesoporous carbons. Applied Catalysis A: General, 2008, 337, 97-104.	2.2	73
152	SBA-15-supported nickel phosphide hydrotreating catalysts. Journal of Catalysis, 2008, 253, 119-131.	3.1	148
153	Assessment of the mesopore wall catalytic activities of MFI zeolite with mesoporous/microporous hierarchical structures. Journal of Catalysis, 2008, 254, 296-303.	3.1	215
154	Adsorption on Ordered Porous Carbons. , 2008, , 455-477.		0
155	High temperature treatment of ordered mesoporous carbons prepared by using various carbon precursors and ordered mesoporous silica templates. New Journal of Chemistry, 2008, 32, 981.	1.4	80
156	Argon Adsorption on MCM-41 Mesoporous Crystal Studied by In Situ Synchrotron Powder X-ray Diffraction. Journal of Physical Chemistry C, 2008, 112, 10803-10813.	1.5	54
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