

Yu Zhou

List of Publications by Year in descending order

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126
papers

4,812
citations

94269

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118652

62
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128
all docs

128
docs citations

128
times ranked

4085
citing authors

#	ARTICLE	IF	CITATIONS
1	Ionic porous polyamide derived N-doped carbon towards highly selective electroreduction of CO ₂ . Chinese Journal of Chemical Engineering, 2023, 55, 212-221.	1.7	4
2	Spring-loaded mechanism for chemical fixation of carbon dioxide with epoxides. Chem Catalysis, 2022, 2, 519-530.	2.9	25
3	Synthesis of porous poly(ionic liquid)s for chemical CO ₂ fixation with epoxides. Green Chemistry, 2022, 24, 3433-3460.	4.6	67
4	Ambient Temperature Reductive Amination of 5-Hydroxymethylfurfural Over Al ₂ O ₃ -Supported Carbon-Doped Nickel Catalyst. ChemSusChem, 2022, 15, .	3.6	12
5	Insights into the role of titanium sites in cyclohexanone ammoximation over titanium silicalite-1. Molecular Catalysis, 2022, 524, 112298.	1.0	3
6	Boosting exciton dissociation by regulating dielectric constant in covalent organic framework for photocatalysis. Chem Catalysis, 2022, 2, 1734-1747.	2.9	33
7	Size and stability modulation of Pd nanoparticles on porous hypercrosslinked ionic polymer for heterogeneous aerobic oxidative coupling of diaryl ether. Applied Catalysis B: Environmental, 2021, 281, 119425.	10.8	31
8	Straightforward synthesis of beta zeolite encapsulated Pt nanoparticles for the transformation of 5-hydroxymethyl furfural into 2,5-furandicarboxylic acid. Chinese Journal of Catalysis, 2021, 42, 994-1003.	6.9	29
9	Conferring Poly(ionic liquid)s with High Surface Areas for Enhanced Catalytic Activity. ACS Sustainable Chemistry and Engineering, 2021, 9, 2115-2128.	3.2	37
10	Base-free atmospheric O ₂ -mediated oxidation of 5-Hydroxymethylfurfural to 2,5-Furandicarboxylic acid triggered by Mg-bearing MTW zeolite supported Au nanoparticles. Applied Catalysis A: General, 2021, 616, 118106.	2.2	16
11	Palladium clusters on dicarboxyl-functional hypercrosslinked porous polymers for oxidative homocoupling of benzene with O ₂ . Molecular Catalysis, 2021, 505, 111487.	1.0	5
12	Highly Efficient Hydrogenation of CO ₂ to Formic Acid over Palladium Supported on Dication Poly(ionic liquid)s. Molecular Catalysis, 2021, 509, 111644.	1.0	9
13	Palladium confined in pure-silica TON zeolite for furfuryl alcohol hydrogenation into tetrahydrofurfuryl alcohol. Microporous and Mesoporous Materials, 2021, 322, 111161.	2.2	14
14	Self-assembled iron-containing mordenite monolith for carbon dioxide sieving. Science, 2021, 373, 315-320.	6.0	179
15	Small-sized biomass-derived hydrothermal carbon with enriched oxygen groups quickens benzene hydroxylation to phenol with dioxygen. Applied Catalysis A: General, 2021, 626, 118356.	2.2	4
16	Imidazolium-Functionalized Ionic Hypercrosslinked Porous Polymers for Efficient Synthesis of Cyclic Carbonates from Simulated Flue Gas. ChemSusChem, 2020, 13, 341-350.	3.6	103
17	One-pot hydrothermal synthesis of ultrafine Pd clusters within Beta zeolite for selective oxidation of alcohols. Green Chemistry, 2020, 22, 4199-4209.	4.6	34
18	Efficient CO ₂ enrichment and fixation by engineering micropores of multifunctional hypercrosslinked ionic polymers. Chemical Engineering Journal, 2020, 390, 124652.	6.6	103

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19	In Situ Encapsulation of Pt Nanoparticles within Pure Silica TON Zeolites for Space-Confining Selective Hydrogenation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 11522-11532.	4.0	29
20	Carbon Catalyzed Hydroxylation of Benzene with Dioxygen to Phenol over Surface Carbonyl Groups. <i>ChemCatChem</i> , 2019, 11, 1076-1085.	1.8	7
21	Direct synthesis of 2,5-diformylfuran from carbohydrates via carbonizing polyoxometalate based mesoporous poly(ionic liquid). <i>Catalysis Today</i> , 2019, 319, 57-65.	2.2	29
22	Ionic mesoporous polyamides enable highly dispersed ultrafine Ru nanoparticles: a synergistic stabilization effect and remarkable efficiency in levulinic acid conversion into Î³-valerolactone. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19140-19151.	5.2	37
23	Engineering Surface Groups of Commercially Activated Carbon for Benzene Hydroxylation to Phenol with Dioxygen. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 20226-20235.	1.8	11
24	Engineering polyoxometalate anions on porous ionic network towards highly catalytic active noble metal clusters. <i>Applied Surface Science</i> , 2019, 496, 143650.	3.1	20
25	Straightforward synthesis of MTW-type magnesium silicalite for CO ₂ fixation with epoxides under mild conditions. <i>Catalysis Science and Technology</i> , 2019, 9, 5725-5735.	2.1	11
26	Nitrogen-Doped Biomass Carbons Meet with Polyoxometalates: Synergistic Catalytic Reductant-Free Aerobic Hydroxylation of Benzene to Phenol. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 4230-4238.	3.2	20
27	Synergistic catalysis of one-pot cascade reactions by acidic and basic binary porous polymers. <i>Applied Surface Science</i> , 2019, 478, 221-229.	3.1	23
28	Phosphotungstic anion-paired quinoline salt for heterogeneous photocatalytic hydroxylation of benzene to phenol with air. <i>Molecular Catalysis</i> , 2019, 473, 110397.	1.0	13
29	Amino Acid Anion Paired Mesoporous Poly(ionic liquids) as Metal-/Halogen-Free Heterogeneous Catalysts for Carbon Dioxide Fixation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 9387-9398.	3.2	95
30	Ordered Porous Poly(ionic liquid) Crystallines: Spacing Confined Ionic Surface Enhancing Selective CO ₂ Capture and Fixation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 6031-6041.	4.0	76
31	Synergistic combination of graphitic C ₃ N ₄ and polyoxometalate-based phase-transfer catalyst for highly efficient reductant-free aerobic hydroxylation of benzene. <i>Chemical Engineering Journal</i> , 2018, 334, 873-881.	6.6	29
32	Mesoporous poly(ionic liquid) supported palladium(II) catalyst for oxidative coupling of benzene under atmospheric oxygen. <i>Applied Surface Science</i> , 2018, 427, 575-583.	3.1	26
33	Immediate hydroxylation of arenes to phenols via V-containing all-silica ZSM-22 zeolite triggered non-radical mechanism. <i>Nature Communications</i> , 2018, 9, 2931.	5.8	66
34	Direct synthesis of sulfonic group tethered mesoporous poly(ionic liquid) for catalyzing deoxygenation reactions. <i>Materials Chemistry and Physics</i> , 2017, 189, 118-126.	2.0	12
35	Direct aerobic oxidative homocoupling of benzene to biphenyl over functional porous organic polymer supported atomically dispersed palladium catalyst. <i>Applied Catalysis B: Environmental</i> , 2017, 209, 679-688.	10.8	47
36	Nanobelt Î±-CuV ₂ O ₆ with hydrophilic mesoporous poly(ionic liquid): a binary catalyst for synthesis of 2,5-diformylfuran from fructose. <i>Catalysis Science and Technology</i> , 2017, 7, 1006-1016.	2.1	60

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37	Construction of Acid-Base Synergetic Sites on Mg-bearing BEA Zeolites Triggers the Unexpected Low-Temperature Alkylation of Phenol. <i>ChemCatChem</i> , 2017, 9, 1076-1083.	1.8	15
38	Imidazolium based porous hypercrosslinked ionic polymers for efficient CO ₂ capture and fixation with epoxides. <i>Green Chemistry</i> , 2017, 19, 2675-2686.	4.6	228
39	Synergistic Catalysis of Fe ₂ O ₃ Nanoparticles on Mesoporous Poly(ionic liquid)s for the Oxidation of 2,5-Diformylfuran. <i>Chemistry Research</i> , 2017, 56, 12289-12296.	1.8	23
40	Direct Synthesis of 2,5-Diformylfuran from Carbohydrates Using High-Silica MOR Zeolite-Supported Isolated Vanadium Species. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 10029-10037.	3.2	38
41	Tethering Dual Hydroxyls into Mesoporous Poly(ionic liquid)s for Chemical Fixation of CO ₂ at Ambient Conditions: A Combined Experimental and Theoretical Study. <i>ACS Catalysis</i> , 2017, 7, 6770-6780.	5.5	193
42	Directly synthesized V-containing BEA zeolite: Acid-oxidation bifunctional catalyst enhancing C-alkylation selectivity in liquid-phase methylation of phenol. <i>Chemical Engineering Journal</i> , 2017, 328, 1031-1042.	6.6	25
43	Amphiphilic Mesoporous Poly(Ionic Liquid) Immobilized Heteropolyanions Towards the Efficient Heterogeneous Epoxidation of Alkenes with Stoichiometric Hydrogen Peroxide. <i>ChemCatChem</i> , 2017, 9, 4426-4436.	1.8	30
44	Direct synthesis of V-containing all-silica beta-zeolite for efficient one-pot, one-step conversion of carbohydrates into 2,5-diformylfuran. <i>Catalysis Science and Technology</i> , 2017, 7, 6050-6058.	2.1	42
45	Hydrophilic mesoporous poly(ionic liquid)-supported Au-Pd alloy nanoparticles towards aerobic oxidation of 5-hydroxymethylfurfural to 2,5-furandicarboxylic acid under mild conditions. <i>Green Chemistry</i> , 2017, 19, 3820-3830.	4.6	109
46	Synergistic Interactions between Ti-OOH and (PO ₄ [WO ₂ (O ₂)] ₄) ₃ - of HPW/Zn-Ti Hydrotalcites: Efficient Heterogeneous Catalysts for the Epoxidation of Fatty Acid Methyl Ester. <i>Journal of the Brazilian Chemical Society</i> , 2017, , .	0.6	1
47	Highly Active Palladium-Based Catalyst System for the Aerobic Oxidative Direct Coupling of Benzene to Biphenyl. <i>ChemCatChem</i> , 2016, 8, 448-454.	1.8	16
48	Hydroxyl-Exchanged Nanoporous Ionic Copolymer toward Low-Temperature Cycloaddition of Atmospheric Carbon Dioxide into Carbonates. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 12812-12821.	4.0	126
49	Pyrazinium polyoxometalate tetrakaidecahedron-like crystals esterify oleic acid with equimolar methanol at room temperature. <i>Journal of Catalysis</i> , 2016, 339, 123-134.	3.1	43
50	One-Pot Template-Free Synthesis of Cu-MOR Zeolite toward Efficient Catalyst Support for Aerobic Oxidation of 5-Hydroxymethylfurfural under Ambient Pressure. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 23122-23132.	4.0	62
51	Hybrid of Polyoxometalate-Based Ionic Salt and N-Doped Carbon toward Reductant-Free Aerobic Hydroxylation of Benzene to Phenol. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 4986-4996.	3.2	49
52	In situ functionalized sulfonic copolymer toward recyclable heterogeneous catalyst for efficient Beckmann rearrangement of cyclohexanone oxime. <i>Applied Catalysis A: General</i> , 2016, 510, 125-133.	2.2	37
53	Pd nanoparticles encapsulated into mesoporous ionic copolymer: Efficient and recyclable catalyst for the oxidation of benzyl alcohol with O ₂ balloon in water. <i>Applied Catalysis B: Environmental</i> , 2016, 189, 242-251.	10.8	97
54	Ionic self-assembly affords mesoporous ionic networks by crosslinking linear polyviologens with polyoxometalate clusters. <i>Dalton Transactions</i> , 2016, 45, 4504-4508.	1.6	20

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55	Mg ²⁺ -derived mesoporous ultra-high silica twelve-membered-ring basic zeolites: straightforward synthesis and catalytic performance. <i>CrystEngComm</i> , 2016, 18, 1164-1173.	1.3	12
56	Mordenite zeolite with ultrahigh SiO ₂ /Al ₂ O ₃ ratio directly synthesized from ionic liquid-assisted dry-gel-conversion. <i>Microporous and Mesoporous Materials</i> , 2016, 224, 17-25.	2.2	27
57	Fully-occupied Keggin type polyoxometalate as solid base for catalyzing CO ₂ cycloaddition and Knoevenagel condensation. <i>Catalysis Science and Technology</i> , 2016, 6, 460-467.	2.1	51
58	One-Pot Synthesis of Zeolitic Strong Solid Bases: A Family of Alkaline-Earth Metal-Containing Silicalite-1. <i>Chemistry - A European Journal</i> , 2015, 21, 15412-15420.	1.7	23
59	Efficient and recyclable multi-cationic polyoxometalate-based hybrid catalyst for heterogeneous cyclohexane oxidation with H ₂ O ₂ . <i>RSC Advances</i> , 2015, 5, 19306-19314.	1.7	18
60	Hydrophobic Mesoporous Poly(ionic liquid)s towards Highly Efficient and Contamination-Resistant Solid-Base Catalysts. <i>ChemCatChem</i> , 2015, 7, 993-1003.	1.8	62
61	Novel menthol releaser derived from as-synthesized mesoporous silica. <i>RSC Advances</i> , 2015, 5, 5494-5500.	1.7	7
62	A hierarchical meso-macroporous poly(ionic liquid) monolith derived from a single soft template. <i>Chemical Communications</i> , 2015, 51, 4969-4972.	2.2	87
63	Polyoxometalate-based phase transfer catalysis for liquid-liquid organic reactions: a review. <i>Catalysis Science and Technology</i> , 2015, 5, 4324-4335.	2.1	83
64	Construction of porous cationic frameworks by crosslinking polyhedral oligomeric silsesquioxane units with N-heterocyclic linkers. <i>Scientific Reports</i> , 2015, 5, 11236.	1.6	64
65	Hypercrosslinked organic polymer based carbonaceous catalytic materials: Sulfonic acid functionality and nano-confinement effect. <i>Applied Catalysis B: Environmental</i> , 2015, 176-177, 718-730.	10.8	64
66	Direct Carbonization of Cyanopyridinium Crystalline Dicationic Salts into Nitrogen-Enriched Ultra-Microporous Carbons toward Excellent CO ₂ Adsorption. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 18508-18518.	4.0	30
67	Ultrahigh mechanically stable hierarchical mordenite zeolite monolith: Direct binder-/template-free hydrothermal synthesis. <i>Chemical Engineering Science</i> , 2015, 138, 473-481.	1.9	15
68	Heterogeneous conversion of CO ₂ into cyclic carbonates at ambient pressure catalyzed by ionothermal-derived meso-macroporous hierarchical poly(ionic liquid)s. <i>Chemical Science</i> , 2015, 6, 6916-6924.	3.7	229
69	Aerobic oxidation of benzene to phenol over polyoxometalate-paired PdII-coordinated hybrid: Reductant-free heterogeneous catalysis. <i>Catalysis Communications</i> , 2015, 59, 1-4.	1.6	23
70	Directly Synthesis of ZSM-22 Particles by Adding Polyurethane Foam in Ionic Liquid-directed Dry-gel-conversion. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , 2015, 30, 615.	0.6	0
71	Ionic-Liquid-Functionalized Polyoxometalates for Heterogeneously Catalyzing the Aerobic Oxidation of Benzene to Phenol: Raising Efficacy through Specific Design. <i>ChemPlusChem</i> , 2014, 79, 1590-1596.	1.3	14
72	Pore structure controllable synthesis of mesoporous poly(ionic liquid)s by copolymerization of alkylvinylimidazolium salts and divinylbenzene. <i>RSC Advances</i> , 2014, 4, 23389-23395.	1.7	48

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73	(Ionic liquid)-derived morphology control of Nb ₂ O ₅ materials and their photocatalytic properties. <i>CrystEngComm</i> , 2014, 16, 9096-9103.	1.3	13
74	Morphology-controlled synthesis of large mordenite crystals. <i>New Journal of Chemistry</i> , 2014, 38, 3295-3301.	1.4	25
75	A new polyoxometalate-based Mo/V coordinated crystalline hybrid and its catalytic activity in aerobic hydroxylation of benzene. <i>RSC Advances</i> , 2014, 4, 45816-45822.	1.7	16
76	Morphology-Controlled Preparation of Heteropolyanion-Derived Mesoporous Solid Base. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 1918-1927.	3.2	13
77	Dual-sulfonated dipyridinium phosphotungstate catalyst for liquid-phase Beckmann rearrangement of cyclohexanone oxime. <i>RSC Advances</i> , 2014, 4, 15635.	1.7	26
78	Recent advances in polyoxometalate-based heterogeneous catalytic materials for liquid-phase organic transformations. <i>RSC Advances</i> , 2014, 4, 42092-42113.	1.7	189
79	Pure-silica ZSM-22 zeolite rapidly synthesized by novel ionic liquid-directed dry-gel conversion. <i>RSC Advances</i> , 2014, 4, 49647-49654.	1.7	36
80	4,4'-Bipyridine-modified molybdovanadophosphoric acid: A reusable heterogeneous catalyst for direct hydroxylation of benzene with O ₂ . <i>Chemical Engineering Journal</i> , 2014, 239, 19-25.	6.6	42
81	Mesoporous Polyoxometalate-Based Ionic Hybrid As a Triphasic Catalyst for Oxidation of Benzyl Alcohol with H ₂ O ₂ on Water. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 4438-4446.	4.0	100
82	Heteropolyanion-based ionic liquid-functionalized mesoporous copolymer catalyst for Friedel-Crafts benzylation of arenes with benzyl alcohol. <i>Chemical Engineering Journal</i> , 2014, 254, 54-62.	6.6	61
83	C ₃ N ₄ -H ₅ PMo ₁₀ V ₂ O ₄₀ : a dual-catalysis system for reductant-free aerobic oxidation of benzene to phenol. <i>Scientific Reports</i> , 2014, 4, 3651.	1.6	75
84	Direct hydrothermal synthesis and characterization of framework-substituted Co(Mn)-Beta zeolites. <i>Journal of Porous Materials</i> , 2013, 20, 891-896.	1.3	5
85	Synthesis of framework-substituted Co-mordenite by dry gel conversion. <i>Journal of Porous Materials</i> , 2013, 20, 1519-1523.	1.3	1
86	Multiple functionalization of SBA-15 mesoporous silica in one-pot: fabricating an aluminum-containing plugged composite for sustained heparin release. <i>Journal of Materials Chemistry B</i> , 2013, 1, 3897.	2.9	25
87	Direct hydroxylation of benzene to phenol with hydrogen peroxide catalyzed by a quinone heteropolyacid hybrid. <i>Chinese Journal of Catalysis</i> , 2013, 34, 2118-2124.	6.9	7
88	Facile synthesis of nanosized nickel phosphides with controllable phase and morphology. <i>New Journal of Chemistry</i> , 2013, 37, 4083.	1.4	30
89	Novel selective catalyst derived from uniform clustered NaY zeolite microspheres. <i>Journal of Materials Chemistry A</i> , 2013, 1, 6849.	5.2	14
90	Heterogeneous Beckmann Rearrangements Catalyzed by a Sulfonated Imidazolium Salt of Phosphotungstate. <i>Catalysis Letters</i> , 2013, 143, 193-199.	1.4	33

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91	New facile way to isomorphously substituted Cr- $\hat{2}$ zeolite and its catalytic performance. <i>Microporous and Mesoporous Materials</i> , 2013, 171, 87-93.	2.2	8
92	Applying heterogeneous catalysis to health care: In situ elimination of tobacco-specific nitrosamines (TSNAs) in smoke by molecular sieves. <i>Catalysis Today</i> , 2013, 212, 52-61.	2.2	32
93	One-pot synthesis of foam-like magnesia and its performance in CO ₂ adsorption. <i>Microporous and Mesoporous Materials</i> , 2013, 169, 112-119.	2.2	58
94	Mesostructured Dihydroxy- \hat{F} -Functionalized Guanidinium- \hat{B} -Based Polyoxometalate with Enhanced Heterogeneous Catalytic Activity in Epoxidation. <i>ChemPlusChem</i> , 2013, 78, 561-569.	1.3	23
95	Catalytic degradation of tobacco-specific nitrosamines by ferric zeolite. <i>Applied Catalysis B: Environmental</i> , 2013, 129, 301-308.	10.8	24
96	One-pot synthesis of a hierarchical PMO monolith with superior performance in enzyme immobilization. <i>Journal of Materials Chemistry B</i> , 2013, 1, 1738.	2.9	18
97	Phase-transfer hydroxylation of benzene with H ₂ O ₂ catalyzed by a nitrile-functionalized pyridinium phosphovanadomolybdate. <i>Catalysis Science and Technology</i> , 2013, 3, 1394.	2.1	53
98	Unseeded organotemplate-free hydrothermal synthesis of heteroatomic MFI zeolite poly-nanocrystallites. <i>Journal of Materials Chemistry A</i> , 2013, 1, 2453.	5.2	43
99	Sustained Release of Heparin on Enlarged-Pore and Functionalized MCM-41. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 4113-4122.	4.0	38
100	In vitro biocompatibility evaluation of ePTFE graft with controlled release of heparin from mesoporous material. <i>Applied Surface Science</i> , 2012, 258, 4041-4047.	3.1	8
101	Significant Promotion of Morphology in Fabricating Efficient Environment Protector. <i>Chinese Journal of Chemistry</i> , 2012, 30, 2073-2078.	2.6	3
102	Novel selective adsorbent derived from hierarchical rockery-like MCM-41 monolith. <i>Journal of Materials Chemistry</i> , 2012, 22, 23633.	6.7	15
103	Small- \hat{C} aliber Vascular Prosthesis Prototype Based on Controlled Release of Heparin from Mesochannels and Its Enhanced Biocompatibility. <i>Small</i> , 2012, 8, 1373-1383.	5.2	10
104	Efficient MgO-based mesoporous CO ₂ trapper and its performance at high temperature. <i>Journal of Hazardous Materials</i> , 2012, 203-204, 341-347.	6.5	80
105	One-pot synthesis of novel ferric cubic mesoporous silica (Im _{3m} symmetry) and its highly efficient adsorption performance. <i>Journal of Materials Chemistry</i> , 2011, 21, 13895.	6.7	9
106	Controlling the primary particle evolution process towards silica monoliths with tunable hierarchical structure. <i>Journal of Colloid and Interface Science</i> , 2011, 364, 594-604.	5.0	20
107	Novel phenol capturer derived from the as-synthesized MCM-41. <i>Journal of Hazardous Materials</i> , 2011, 190, 87-93.	6.5	22
108	3D net-linked mesoporous silica monolith: New environmental adsorbent and catalyst. <i>Catalysis Today</i> , 2011, 166, 39-46.	2.2	15

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109	Fabrication of hierarchical channel wall in Al-MCM-41 mesoporous materials to promote the efficiency of copper modifier. <i>Chemical Engineering Journal</i> , 2011, 169, 390-398.	6.6	5
110	Low-cost and effective phenol and basic dyes trapper derived from the porous silica coated with hydrotalcite gel. <i>Journal of Colloid and Interface Science</i> , 2011, 358, 554-561.	5.0	15
111	Effective nitrosamines trap derived from the in situ carbonized mesoporous silica MCM-41. <i>Journal of Hazardous Materials</i> , 2010, 176, 602-608.	6.5	17
112	Hierarchical functionalized MCM-22 zeolite for trapping tobacco specific nitrosamines (TSNAs) in solution. <i>Journal of Hazardous Materials</i> , 2010, 179, 1031-1036.	6.5	13
113	Capturing Nitrosamines by Zeolite MCM-22: Effect of Zeolite Structure and Morphology on Adsorption. <i>Journal of Physical Chemistry C</i> , 2010, 114, 9588-9595.	1.5	19
114	One-pot synthesis of the amine-modified meso-structured monolith CO ₂ adsorbent. <i>Journal of Materials Chemistry</i> , 2010, 20, 2840.	6.7	39
115	Modifying MCM-41 as an efficient nitrosamine trap in aqueous solution. <i>Solid State Sciences</i> , 2009, 11, 402-410.	1.5	18
116	Functional Mesoporous Material Derived from 3D Net-Linked SBA-15. <i>Chemistry - A European Journal</i> , 2009, 15, 6748-6757.	1.7	26
117	Periodic Mesoporous Organosilica Materials: Self-Assembly of Carbamothioic Acid-Bridged Organosilane Precursors. <i>Chemistry - A European Journal</i> , 2009, 15, 8310-8318.	1.7	12
118	Capturing 1,3-butadiene by the highly ordered Al-containing SBA-15. <i>Journal of Hazardous Materials</i> , 2009, 171, 378-385.	6.5	14
119	Adsorption of nitrogen oxides by the moisture-saturated zeolites in gas stream. <i>Journal of Hazardous Materials</i> , 2009, 162, 866-873.	6.5	18
120	Selective adsorption of zeolite towards nitrosamine in organic solution. <i>Microporous and Mesoporous Materials</i> , 2009, 120, 381-388.	2.2	21
121	Creating the adsorptive sites with high performance toward nitrosamines in mesoporous silica MCM-41 by alumina modifier. <i>Microporous and Mesoporous Materials</i> , 2009, 126, 143-151.	2.2	16
122	The metal-incorporated mesoporous carbon with high performance in capture and degradation of volatile nitrosamines. <i>Catalysis Today</i> , 2009, 148, 88-96.	2.2	7
123	Synthesis of Large-Pore Urea-Bridged Periodic Mesoporous Organosilicas. <i>Chemistry - an Asian Journal</i> , 2009, 4, 587-593.	1.7	18
124	Microwave-Induced degradation of nitrosamines trapped in zeolites. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2008, 3, 481-488.	0.8	8
125	Capturing Nitrosamines by Zeolite A: Molecular Recognition in Subnanometer Space. <i>Journal of Physical Chemistry C</i> , 2008, 112, 6740-6748.	1.5	25
126	Anchoring Boron Atom to the Specific Tetrahedral Sites of Borosilicate MFI by Imidazolium-based Molecules. <i>CrystEngComm</i> , 0, , .	1.3	1