Shang-Bin Liu

List of Publications by Year
in descending order

163 papers	7,338 citations	46984 47 h-index	66879 78 g-index
167 all docs	167 docs citations	167 times ranked	8000 citing authors

#	Article	IF	Citations
1	Disproportionation and transalkylation of alkylbenzenes over zeolite catalysts. Applied Catalysis A: General, 1999, 181, 355-398.	2.2	333
2	³¹P NMR Chemical Shifts of Phosphorus Probes as Reliable and Practical Acidity Scales for Solid and Liquid Catalysts. Chemical Reviews, 2017, 117, 12475-12531.	23.0	258
3	Understanding the High Photocatalytic Activity of (B, Ag)-Codoped TiO₂ under Solar-Light Irradiation with XPS, Solid-State NMR, and DFT Calculations. Journal of the American Chemical Society, 2013, 135, 1607-1616.	6.6	230
4	Acid properties of solid acid catalysts characterized by solid-state 31P NMR of adsorbed phosphorous probe molecules. Physical Chemistry Chemical Physics, 2011, 13, 14889.	1.3	204
5	A solid-state NMR, FT-IR and TPD study on acid properties of sulfated and metal-promoted zirconia: Influence of promoter and sulfation treatment. Catalysis Today, 2006, 116, 111-120.	2.2	177
6	Acidic Properties and Structureâ€“Activity Correlations of Solid Acid Catalysts Revealed by Solid-State NMR Spectroscopy. Accounts of Chemical Research, 2016, 49, 655-663.	7.6	177
7	Replication of Mesoporous Aluminosilicate Molecular Sieves (RMMs) with Zeolite Framework from Mesoporous Carbons (CMKs). Chemistry of Materials, 2004, 16, 3168-3175.	3.2	175
8	Discernment and Quantification of Internal and External Acid Sites on Zeolites. Journal of Physical Chemistry B, 2002, 106, 4462-4469.	1.2	164
9	Boron Environments in B-Doped and (B, N)-Codoped TiO₂ Photocatalysts: A Combined Solid-State NMR and Theoretical Calculation Study. Journal of Physical Chemistry C, 2011, 115, 2709-2719.	1.5	164
10	Palladium Nanoparticle Incorporated Porous Activated Carbon: Electrochemical Detection of Toxic Metal Ions. ACS Applied Materials & Interfaces, 2016, 8, 1319-1326.	4.0	164
11	Theoretical Predictions of ³¹P NMR Chemical Shift Threshold of Trimethylphosphine Oxide Absorbed on Solid Acid Catalysts. Journal of Physical Chemistry B, 2008, 112, 4496-4505.	1.2	143
12	Fabrication and Characterization of Well-Dispersed and Highly Stable PtRu Nanoparticles on Carbon Mesoporous Material for Applications in Direct Methanol Fuel Cell. Chemistry of Materials, 2008, 20, 1622-1628.	3.2	136
13	Stability Enhancement of H-Mordenite in Dimethyl Ether Carbonylation to Methyl Acetate by Pre-adsorption of Pyridine. Chinese Journal of Catalysis, 2010, 31, 729-738.	6.9	121
14	Nickel Nanoparticle-Decorated Porous Carbons for Highly Active Catalytic Reduction of Organic Dyes and Sensitive Detection of Hg(II) Ions. ACS Applied Materials & Interfaces, 2015, 7, 24810-24821.	4.0	120
15	Origin and Structural Characteristics of Tri-coordinated Extra-framework Aluminum Species in Dealuminated Zeolites. Journal of the American Chemical Society, 2018, 140, 10764-10774.	6.6	113
16	Biomass-Derived Activated Carbon Supported Fe₃O₄ Nanoparticles as Recyclable Catalysts for Reduction of Nitroarenes. ACS Sustainable Chemistry and Engineering, 2016, 4, 6772-6782.	3.2	108
17	Counterion Effect in Acid Synthesis of Mesoporous Silica Materials. Journal of Physical Chemistry B, 2000, 104, 7885-7894.	1.2	105
18	Probing the Spatial Proximities among Acid Sites in Dealuminated H-Y Zeolite by Solid-State NMR Spectroscopy. Journal of Physical Chemistry C, 2008, 112, 14486-14494.	1.5	105

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19	Acidic Strengths of BrÃ¸nsted and Lewis Acid Sites in Solid Acids Scaled by ³¹P NMR Chemical Shifts of Adsorbed Trimethylphosphine. Journal of Physical Chemistry C, 2011, 115, 7660-7667.	1.5	104
20	Electrochemical detection of 4-nitrophenol based on biomass derived activated carbons. Analytical Methods, 2014, 6, 5274.	1.3	101
21	Controlled synthesis of highly dispersed platinum nanoparticles in ordered mesoporous carbons. Chemical Communications, 2006, , 3435.	2.2	99
22	Structural evolution and electrocatalytic application of nitrogen-doped carbon shells synthesized by pyrolysis of near-monodisperse polyaniline nanospheres. Journal of Materials Chemistry, 2009, 19, 5985.	6.7	96
23	³¹P Chemical Shift of Adsorbed Trialkylphosphine Oxides for Acidity Characterization of Solid Acids Catalysts. Journal of Physical Chemistry A, 2008, 112, 7349-7356.	1.1	92
24	Functionalized Silica Matrices and Palladium: A Versatile Heterogeneous Catalyst for Suzuki, Heck, and Sonogashira Reactions. ACS Sustainable Chemistry and Engineering, 2017, 5, 6357-6376.	3.2	87
25	Highly stable and active palladium nanoparticles supported on porous carbon for practical catalytic applications. Journal of Materials Chemistry A, 2014, 2, 16015-16022.	5.2	79
26	Biomass Derived Sheet-like Carbon/Palladium Nanocomposite: An Excellent Opportunity for Reduction of Toxic Hexavalent Chromium. ACS Sustainable Chemistry and Engineering, 2017, 5, 5302-5312.	3.2	79
27	Functional porous carbonâ€“ZnO nanocomposites for high-performance biosensors and energy storage applications. Physical Chemistry Chemical Physics, 2016, 18, 16466-16475.	1.3	78
28	Highly Stable Amine-modified Mesoporous Silica Materials for Efficient CO2 Capture. Topics in Catalysis, 2010, 53, 210-217.	1.3	76
29	Fabrication and electrocatalytic performance of highly stable and active platinum nanoparticles supported on nitrogen-doped ordered mesoporous carbons for oxygen reduction reaction. Journal of Materials Chemistry, 2011, 21, 12489.	6.7	70
30	Hydrothermal synthesis of NiWO4 crystals for high performance non-enzymatic glucose biosensors. Scientific Reports, 2016, 6, 24128.	1.6	66
31	Acidity characterization of heterogeneous catalysts by solid-state NMR spectroscopy using probe molecules. Solid State Nuclear Magnetic Resonance, 2013, 55-56, 12-27.	1.5	62
32	¹⁹F Chemical Shift of Crystalline Metal Fluorides: Theoretical Predictions Based on Periodic Structure Models. Journal of Physical Chemistry C, 2009, 113, 15018-15023.	1.5	61
33	Heteroatom-enriched porous carbon/nickel oxide nanocomposites as enzyme-free highly sensitive sensors for detection of glucose. Sensors and Actuators B: Chemical, 2015, 221, 1384-1390.	4.0	60
34	On the Regeneration of Coked H-ZSM-5 Catalysts. Journal of Catalysis, 1998, 174, 210-218.	3.1	59
35	Effects of surface modification on coking, deactivation and para-selectivity of H-ZSM-5 zeolites during ethylbenzene disproportionation. Journal of Molecular Catalysis A, 2002, 181, 41-55.	4.8	59
36	NiCo2O4-decorated porous carbon nanosheets for high-performance supercapacitors. Electrochimica Acta, 2017, 247, 288-295.	2.6	59

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37	Carbon aerogel supported palladium-ruthenium nanoparticles for electrochemical sensing and catalytic reduction of food dye. Sensors and Actuators B: Chemical, 2018, 257, 48-59.	4.0	59
38	Distribution of cations in lanthanum-exchanged NaY zeolites. Journal of the Chemical Society, Faraday Transactions, 1991, 87, 2855.	1.7	58
39	Efficient and reusable polyoxometalate-based sulfonated ionic liquid catalysts for palmitic acid esterification to biodiesel. Chemical Engineering Science, 2013, 104, 64-72.	1.9	58
40	Syntheses of novel halogen-free BrÃ¸nstedâ€“Lewis acidic ionic liquid catalysts and their applications for synthesis of methyl caprylate. Green Chemistry, 2015, 17, 499-508.	4.6	58
41	Combined Solid-State NMR and Theoretical Calculation Studies of BrÃ¸nsted Acid Properties in Anhydrous 12-Molybdophosphoric Acid. Journal of Physical Chemistry C, 2010, 114, 15464-15472.	1.5	57
42	Heteropolyacid-based ionic liquids as efficient homogeneous catalysts for acetylation of glycerol. Journal of Catalysis, 2014, 320, 42-51.	3.1	57
43	Solid-state 31P NMR mapping of active centers and relevant spatial correlations in solid acid catalysts. Nature Protocols, 2020, 15, 3527-3555.	5.5	54
44	Electrochemical activity and durability of platinum nanoparticles supported on ordered mesoporous carbons for oxygen reduction reaction. International Journal of Hydrogen Energy, 2010, 35, 8149-8154.	3.8	53
45	Highly stable ruthenium nanoparticles on 3D mesoporous carbon: an excellent opportunity for reduction reactions. Journal of Materials Chemistry A, 2015, 3, 23448-23457.	5.2	52
46	Incorporation of C60in Layered Double Hydroxide. Journal of the American Chemical Society, 1996, 118, 4411-4418.	6.6	51
47	Porous carbon-modified electrodes as highly selective and sensitive sensors for detection of dopamine. Analyst, The, 2014, 139, 4994.	1.7	51
48	Well-dispersed rhenium nanoparticles on three-dimensional carbon nanostructures: Efficient catalysts for the reduction of aromatic nitro compounds. Journal of Colloid and Interface Science, 2017, 506, 271-282.	5.0	51
49	Ruthenium Nanoparticles Decorated Tungsten Oxide as a Bifunctional Catalyst for Electrocatalytic and Catalytic Applications. ACS Applied Materials & Interfaces, 2017, 9, 31794-31805.	4.0	50
50	Functional Porous Carbon/Nickel Oxide Nanocomposites as Binderâ€Free Electrodes for Supercapacitors. Chemistry - A European Journal, 2015, 21, 8200-8206.	1.7	48
51	Selectivity improvement in xylene isomerization. Microporous and Mesoporous Materials, 2004, 72, 81-89.	2.2	47
52	A direct surface silyl modification of acid-synthesized mesoporous silica. New Journal of Chemistry, 2000, 24, 253-255.	1.4	46
53	Improvement of coke-induced selectivation of H-ZSM-5 during xylene isomerization. Microporous and Mesoporous Materials, 2001, 47, 67-77.	2.2	46
54	Facile and novel synthesis of palladium nanoparticles supported on a carbon aerogel for ultrasensitive electrochemical sensing of biomolecules. Nanoscale, 2017, 9, 6486-6496.	2.8	46

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55	Metal zeolites for transalkylation of toluene and heavy aromatics. Catalysis Today, 2002, 73, 39-47.	2.2	45
56	Ruthenium nanoparticles decorated curl-like porous carbons for high performance supercapacitors. Scientific Reports, 2016, 6, 19949.	1.6	45
57	Amino acid-functionalized heteropolyacids as efficient and recyclable catalysts for esterification of palmitic acid to biodiesel. Fuel, 2016, 165, 115-122.	3.4	45
58	Effect of Cation Substitution on the Adsorption of Xenon on Zeolite NaY and on the Xenon-129 Chemical Shifts. The Journal of Physical Chemistry, 1994, 98, 4393-4401.	2.9	44
59	Hollow spheres of MCM-41 aluminosilicate with pinholes. Chemical Communications, 2001, , 1970-1971.	2.2	44
60	The effect of alkan-1-ols addition on the structural ordering and morphology of mesoporous silicate MCM-41. Journal of Materials Chemistry, 1999, 9, 1197-1201.	6.7	43
61	Enhanced para-Selectivity by Selective Coking during Toluene Disproportionation over Hâ€“ZSM-5 Zeolite. Journal of Catalysis, 1999, 185, 33-42.	3.1	42
62	New Insights into Keggināâ€Type 12â€Tungstophosphoric Acid from ³¹P MAS NMR Analysis of Absorbed Trimethylphosphine Oxide and DFT Calculations. Chemistry - an Asian Journal, 2011, 6, 137-148.	1.7	42
63	Excitations in Incommensurate Biphenyl: Proton Spin-Lattice Relaxation. Physical Review Letters, 1985, 54, 1287-1290.	2.9	39
64	Cajeput tree bark derived activated carbon for the practical electrochemical detection of vanillin. New Journal of Chemistry, 2015, 39, 9109-9115.	1.4	39
65	Chemoselectivity during propene hydrogenation reaction over H-ZSM-5 zeolite: Insights from theoretical calculations. Microporous and Mesoporous Materials, 2009, 121, 158-165.	2.2	38
66	Syntheses of carbon porous materials with varied pore sizes and their performances as catalyst supports during methanol oxidation reaction. Applied Energy, 2012, 100, 66-74.	5.1	37
67	Highly nitrogen-doped mesoscopic carbons as efficient metal-free electrocatalysts for oxygen reduction reactions. Journal of Materials Chemistry A, 2014, 2, 20030-20037.	5.2	37
68	Heteropolyacid-based ionic liquids as effective catalysts for the synthesis of benzaldehyde glycol acetal. Applied Catalysis A: General, 2014, 485, 149-156.	2.2	37
69	Enhancement of BrÃ¸nsted acidity in zeolitic catalysts due to an intermolecular solvent effect in confined micropores. Chemical Communications, 2012, 48, 6936.	2.2	35
70	From One to Two: Acidic Proton Spatial Networks in Porous Zeolite Materials. Chemistry of Materials, 2020, 32, 1332-1342.	3.2	35
71	Vapor phase Beckmann rearrangement of cyclohexanone oxime over MCM-22. Applied Catalysis A: General, 2004, 267, 87-94.	2.2	33
72	Influence of the Al Source and Synthesis of Ordered Al-SBA-15 Hexagonal Particles with Nanostairs and Terraces. Langmuir, 2005, 21, 2078-2085.	1.6	33

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73	Progress in development and application of solid-state NMR for solid acid catalysis. Chinese Journal of Catalysis, 2013, 34, 436-491.	6.9	33
74	Porous carbon-NiO nanocomposites for amperometric detection of hydrazine and hydrogen peroxide. Mikrochimica Acta, 2019, 186, 59.	2.5	33
75	EPR and NMR Studies of Coke Induced Selectivation over Hâ€“ZSM-5 Zeolite during Ethylbenzene Disproportionation Reaction. Journal of Catalysis, 1999, 184, 29-38.	3.1	32
76	Acidity-activity correlation over bimetallic iron-based ZSM-5 catalysts during selective catalytic reduction of NO by NH3. Journal of Molecular Catalysis A, 2016, 423, 423-432.	4.8	31
77	Roles of Carrier Gases on Deactivation and Coking in Zeolite Beta during Cumene Disproportionation. Journal of Catalysis, 1996, 163, 436-446.	3.1	30
78	N.m.r. investigation of benzene adsorption on a dehydrated NaY zeolite. Zeolites, 1992, 12, 86-94.	0.9	29
79	¹³C shielding tensors of crystalline amino acids and peptides: Theoretical predictions based on periodic structure models. Journal of Computational Chemistry, 2009, 30, 222-235.	1.5	29
80	Spectral editing based on selective excitation and Lee-Goldburg cross-polarization under magic angle spinning. Solid State Nuclear Magnetic Resonance, 2006, 29, 272-277.	1.5	28
81	Gold nanoparticles supported on periodic mesoporous organosilicas for epoxidation of olefins: Effects of pore architecture and surface modification method of the supports. Microporous and Mesoporous Materials, 2011, 143, 426-434.	2.2	28
82	EPR and 129Xe NMR Studies of Copper-Exchanged NaY Zeolites. The Journal of Physical Chemistry, 1995, 99, 8277-8282.	2.9	26
83	Structure and acidity of Mo/H-MCM-22 catalysts studied by NMR spectroscopy. Catalysis Today, 2004, 97, 25-34.	2.2	26
84	Ordered mesoporous carbon supported bifunctional PtM (M = Ru, Fe, Mo) electrocatalysts for a fuel cell anode. Chinese Journal of Catalysis, 2016, 37, 43-53.	6.9	26
85	Capture of carbon dioxide by polyamine-immobilized mesostructured silica: A solid-state NMR study. Microporous and Mesoporous Materials, 2017, 238, 2-13.	2.2	26
86	Solâ€Gel Synthesis of Carbonâ€Coated LaCoO₃ for Effective Electrocatalytic Oxidation of Salicylic Acid. ChemElectroChem, 2017, 4, 935-940.	1.7	26
87	Combined translational-rotational jumps in solidÎ±-CO. Physical Review B, 1984, 30, 24-31.	1.1	25
88	39 Qualitative and quantitative determination of acid sites on solid acid catalysts. Studies in Surface Science and Catalysis, 2003, , 205-209.	1.5	25
89	Transesterification of soybean oil to biodiesel by tin-based BrÃ¸nsted-Lewis acidic ionic liquid catalysts. Korean Journal of Chemical Engineering, 2016, 33, 2063-2072.	1.2	25
90	Selective catalytic synthesis of glycerol monolaurate over silica gel-based sulfonic acid functionalized ionic liquid catalysts. Chemical Engineering Journal, 2019, 359, 733-745.	6.6	25

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91	Fe2O3/SBA-15 catalyst synthesized by chemical vapor infiltration for Friedelâ€“Crafts alkylation reaction. Microporous and Mesoporous Materials, 2009, 123, 306-313.	2.2	24
92	Poly(amido amine) dendrimer-incorporated organoclays as efficient adsorbents for capture of NH3 and CO2. Chemical Engineering Journal, 2017, 312, 118-125.	6.6	24
93	The Synthesis and Application of the Mesoporous Molecular Sieves MCMâ€41 â€" A Review. Journal of the Chinese Chemical Society, 1999, 46, 495-507.	0.8	23
94	Hydrocracking in Al-MCM-41: diffusion effect. Microporous and Mesoporous Materials, 2003, 66, 209-218.	2.2	23
95	Kinetics of toluene disproportionation over fresh and coked H-mordenite. Catalysis Today, 2004, 97, 297-302.	2.2	23
96	Hyperpolarized 129Xe NMR investigation of multifunctional organic/inorganic hybrid mesoporous silica materials. Physical Chemistry Chemical Physics, 2005, 7, 3080.	1.3	23
97	Transition-metal incorporated heteropolyacid-ionic liquid composite catalysts with tunable BrÃ¸nsted/Lewis acidity for acetalization of benzaldehyde with ethylene glycol. Applied Catalysis A: General, 2017, 543, 115-124.	2.2	23
98	Molecular rotations in CO/N2/Ar quadrupole glass: Dielectric study. Solid State Communications, 1984, 49, 177-182.	0.9	21
99	Metal Supported Zeolite for Heavy Aromatics Transalkylation Process. Catalysis Surveys From Asia, 2009, 13, 94-103.	1.0	21
100	Acidity Characterization of Solid Acid Catalysts by Solid-State 31P NMR of Adsorbed Phosphorus-Containing Probe Molecules. Annual Reports on NMR Spectroscopy, 2014, 81, 47-108.	0.7	20
101	Roles of Amine Additives and Gel Aging on the Synthesis of AlPO4 Molecular Sieves. Chemistry of Materials, 1994, 6, 633-635.	3.2	19
102	Effects of binder, coking and regeneration on acid properties of H-mordenite during TDP reaction. Research on Chemical Intermediates, 2003, 29, 761-772.	1.3	19
103	Enantioselective addition of diethylzinc to benzaldehyde over mesoporous SBA-15 functionalized with chiral proline derivatives. Applied Catalysis A: General, 2009, 359, 96-107.	2.2	19
104	Silver Nanoparticles Modified Graphitic Carbon Nitride Nanosheets as a Significant Bifunctional Material for Practical Applications. ChemistrySelect, 2017, 2, 1398-1408.	0.7	19
105	Acidity and alkylation activity of 12-tungstophosphoric acid supported on ionic liquid-functionalized SBA-15. Catalysis Today, 2019, 327, 10-18.	2.2	19
106	Post-synthesis treatment of acid-made mesoporous silica materials by ammonia hydrothermal process. Microporous and Mesoporous Materials, 2001, 44-45, 129-137.	2.2	18
107	High loading of C60 in nanochannels of mesoporous MCM-41 materials. Microporous and Mesoporous Materials, 2003, 57, 199-209.	2.2	17
108	Chirality inversion in enantioselective hydrogenation of isophorone over Pd/MgO catalysts in the presence of (S)-proline: Effect of Pd particle size. Journal of Molecular Catalysis A, 2009, 304, 88-94.	4.8	17

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109	Pulsed Transient Nutation Experiments of the Photo-Excited Triplet State. Journal of Magnetic Resonance Series A, 1995, 117, 9-15.	1.6	16
110	Acidity and Catalytic Behaviors of Ordered Mesoporous Aluminosilicate Materials Containing Zeolite Building Units. Catalysis Letters, 2006, 108, 173-178.	1.4	16
111	Fabrication of CNTs with controlled diameters and their applications as electrocatalyst supports for DMFC. Diamond and Related Materials, 2011, 20, 343-350.	1.8	16
112	Solid-state synthesis of mesoporous MFI zeolite from self-bonded silica pellets. Catalysis Today, 2013, 204, 30-37.	2.2	16
113	Coking and Deactivation of Hâ€ZSMâ€5 Zeolites during Ethylbenzene Disproportionation: I. Formation and Location of Coke. Journal of the Chinese Chemical Society, 1996, 43, 305-313.	0.8	15
114	Probing the Alkyl Ligands on Silylated Mesoporous MCM-41 Using Hyperpolarized129Xe NMR Spectroscopy. Journal of Physical Chemistry B, 2005, 109, 681-684.	1.2	15
115	Effects of Lanthanum Incorporation on Stability, Acidity and Catalytic Performance of Y Zeolites. Catalysis Letters, 2021, 151, 698-712.	1.4	15
116	Acidity characterization of MCM-41 materials using solid-state NMR spectroscopy. Studies in Surface Science and Catalysis, 2002, 141, 453-458.	1.5	14
117	On the Confinement Effect During Catalytic Reaction Over Al-MCM-41. Topics in Catalysis, 2009, 52, 2-11.	1.3	14
118	Highly stable aluminosilicates with a dual pore system: Simultaneous formation of meso- and microporosities with zeolitic BEA building units. Microporous and Mesoporous Materials, 2010, 133, 82-90.	2.2	14
119	Calcium-Incorporated Mesoporous Aluminosilicates: Synthesis, Characterization, and Applications to the Condensation of Long-Chain Fatty Acid with Long-Chain Amine and Alcohol. Industrial & Engineering Chemistry Research, 2010, 49, 65-71.	1.8	14
120	Regioselectivity of carbonium ion transition states in zeolites. Catalysis Today, 2011, 164, 40-45.	2.2	14
121	Template-assisted synthesis of mesoporous tubular carbon nanostructure by chemical vapor infiltration method. Thin Solid Films, 2006, 498, 193-197.	0.8	13
122	Capturing the Local Adsorption Structures of Carbon Dioxide in Polyamine-Impregnated Mesoporous Silica Adsorbents. Journal of Physical Chemistry Letters, 2014, 5, 3183-3187.	2.1	13
123	Novel Keggin-type H 4 PVMo 11 O 40 -based ionic liquid catalysts for n -caprylic acid esterification. Journal of the Taiwan Institute of Chemical Engineers, 2016, 58, 203-209.	2.7	13
124	NMR in high-pressure phases of solidNH3andND3. Physical Review B, 1986, 33, 14-21.	1.1	12
125	129Xe Nuclear magnetic resonance study on a solid-state defect in HZSM-5 zeolite. Microporous Materials, 1995, 4, 59-64.	1.6	12
126	Adsorption of lysozyme on spherical mesoporous carbons (SMCs) replicated from colloidal silica arrays by chemical vapor deposition. Journal of Colloid and Interface Science, 2009, 339, 439-445.	5.0	12

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127	Carbonâ€“boron coreâ€“shell microspheres for the oxygen reduction reaction. Journal of Materials Chemistry A, 2016, 4, 12987-12994.	5.2	12
128	Ionic Liquidâ€“Silicotungstic Acid Composites as Efficient and Recyclable Catalysts for the Selective Esterification of Glycerol with Lauric Acid to Monolaurin. ChemCatChem, 2017, 9, 2727-2738.	1.8	12
129	Generation of the precursor species in the synthesis of AlPO4 molecular sieves. Microporous Materials, 1995, 4, 391-394.	1.6	9
130	Heteronuclear dipolar recoupling of half-integer quadrupole nuclei under fast magic angle spinning. Solid State Nuclear Magnetic Resonance, 2009, 36, 110-117.	1.5	9
131	Effect of pore size on the adsorption of xenon on mesoporous MCM-41 and on the 129Xe NMR chemical shifts: a variable temperature study. Studies in Surface Science and Catalysis, 2000, , 517-524.	1.5	8
132	Effect of Temperature Gradient Direction in the Catalyst Nanoparticle on CNTs Growth Mode. Nanoscale Research Letters, 2010, 5, 1393-1402.	3.1	8
133	Nitrogen and high oxygen-containing metal-free porous carbon nanosheets for supercapacitor and oxygen reduction reaction applications. Nano Express, 2020, 1, 010036.	1.2	8
134	Heterogeneous amino acid-based tungstophosphoric acids as efficient and recyclable catalysts for selective oxidation of benzyl alcohol. Korean Journal of Chemical Engineering, 2017, 34, 1914-1923.	1.2	7
135	Role of acidity over rare earth metal ion-exchanged heteropoly tungstates during oxidation of alcohols. Journal of the Taiwan Institute of Chemical Engineers, 2017, 70, 23-31.	2.7	7
136	Highly Active Silver ion-Exchanged Silicotungstic Acid Catalysts for Selective Esterification of Glycerol with Lauric Acid. Catalysis Letters, 2020, 150, 3584-3597.	1.4	7
137	Gel Chemistry in Synthesis of AlPO₄ Molecular Sieves. Journal of the Chinese Chemical Society, 1995, 42, 537-542.	0.8	6
138	Roles of organic acids during exectrooxidation reaction over Pt-supported carbon electrodes in direct methanol fuel cells. International Journal of Hydrogen Energy, 2013, 38, 12984-12990.	3.8	6
139	Study on optimum base-treatment of mordenite for catalytic alkylbenzene transalkylation. Catalysis Today, 2016, 259, 423-429.	2.2	6
140	Selective mono-alkylbenzene disproportionation over silylated MFI zeolite. Catalysis Today, 2022, 388-389, 134-140.	2.2	5
141	Zeolite ZSM-5 Supported Bimetallic Fe-Based Catalysts for Selective Catalytic Reduction of NO: Effects of Acidity and Metal Loading. Advanced Porous Materials, 2016, 4, 189-199.	0.3	5
142	Acidity of Solid and Liquid Acids Probed by P-31 NMR Chemical Shifts of Phosphine Oxides. Journal of Analytical Science and Technology, 2011, 2, A155-A158.	1.0	5
143	Variable temperature 129Xe NMR studies of xenon adsorbed on mesoporous MCM-41 molecular sieves. Studies in Surface Science and Catalysis, 1998, , 543-550.	1.5	4
144	Effects of Si/Al Ratio and Pore Size on Cracking Reaction over Mesoporous MCM-41. Studies in Surface Science and Catalysis, 2002, , 537-542.	1.5	4

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145	Acidity characterization of H-ZSM-5 catalysts modified by pre-coking and silylation. Studies in Surface Science and Catalysis, 2004, 154, 2269-2274.	1.5	4
146	Synergism of acidic zeolite and Pt/zeolite in aromatics transalkylation. Studies in Surface Science and Catalysis, 2008, , 1183-1186.	1.5	4
147	Highly Stable Mesoporous Aluminosilicates with a Dual Pore System: Simultaneous Formation of Mesophase with Zeolitic Building Units. Chemistry Letters, 2009, 38, 548-549.	0.7	4
148	Distribution of Europium Ions in Ionâ€Exchanged NaX and NaY Zeolites. Journal of the Chinese Chemical Society, 1994, 41, 53-58.	0.8	3
149	Characterization of Nanoporous Structures of Polyphenylene Oxide Derived Carbon Membranes by Means of ¹²⁹Xe NMR. Journal of Nanoscience and Nanotechnology, 2007, 7, 3932-3937.	0.9	3
150	Hollowed carbon capsule based Ptâ€“Fe/carbon electrodecatalysts prepared by chemical vapor infiltration method. Diamond and Related Materials, 2008, 17, 1541-1544.	1.8	3
151	NMR Studies of Benzene Adsorbed on Synthetic Faujasite-Type Zeolites. Collection of Czechoslovak Chemical Communications, 1992, 57, 718-732.	1.0	3
152	Pore Engineering of Zeolites and Their Perspective Applications in Aromatics Conversion. Current Organic Chemistry, 2014, 18, 1323-1334.	0.9	3
153	Homogeneous Adsorption of Benzene on NaX and NaY Zeolites. ACS Symposium Series, 1993, , 272-288.	0.5	2
154	Dynamic Nuclear Polarization in Pulsed ENDOR Experiments. Journal of Magnetic Resonance, 1999, 137, 25-28.	1.2	2
155	Roles of pore size and Al content on the catalytic performance of Al-MCM- 41 during hydrocracking reaction. Studies in Surface Science and Catalysis, 2003, , 681-684.	1.5	2
156	Acidity and sorption properties of nano-sized mesoporous aluminosilicate materials. Studies in Surface Science and Catalysis, 2005, 156, 657-662.	1.5	2
157	Acid-base catalysis advanced sciences and spreading applications to solutions of environmental, resources and energy issues: ABC-7, 7th International Symposium on Acidâ€“Base Catalysis, Tokyo, May 12â€“15, 2013. Catalysis Today, 2014, 226, 1.	2.2	2
158	Acidity characterization of solid acid catalysts by solid-state 31P NMR of adsorbed phosphorus-containing probe molecules: An update. Annual Reports on NMR Spectroscopy, 2020, , 65-149.	0.7	2
159	Replication of Bimodal Porous Carbon Material from Mesoporous/Microporous Aluminosilicate Composite. Nanoscience and Nanotechnology Letters, 2011, 3, 788-793.	0.4	2
160	Probing the Surface Organic Moieties on Organic-functionalized Mesoporous Materials Using Đ Ñƒperpoiarized 129Xe NMR Spectroscopy. Studies in Surface Science and Catalysis, 2007, 172, 349-352.	1.5	1
161	Fabrication of highly dispersed Pt nanoparticles in tubular carbon mesoporous materials for hydrogen energy applications. Studies in Surface Science and Catalysis, 2007, 165, 853-856.	1.5	0
162	Synthesis of uniform carbon nanotubes by chemical vapor infiltration method using SBA-15 mesoporous silica as template. Studies in Surface Science and Catalysis, 2007, 165, 409-412.	1.5	0

#	Article	IF	Citations
163	Synthesis of a Homogeneous Propyl Sulfobetaine-Tungstophosphoric Acid Catalyst with Tunable Acidic Strength and Its Application to Waste Wood Hydrolysis. Catalysis Letters, 2018, 148, 3269-3279.	1.4	0