Biao-Hua Chen

List of Publications by Year
in descending order

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		47409	45040
255	11,336	49	94
papers	citations	h-index	g-index

261	261	261	13014
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Disposal methods for used passenger car tires: One of the fastest growing solid wastes in China. Green Energy and Environment, 2022, 7, 1298-1309.	4.7	26
2	Nanoarchitectonics of Metalâ€“Organic Frameworks for Capacitive Deionization via Controlled Pyrolyzed Approaches. Small, 2022, 18, e2102477.	5.2	35
3	Catalytic distillation. , 2022, , 191-240.		1
4	Extractive distillation. , 2022, , 65-154.		0
5	Thermodynamic fundamentals. , 2022, , 1-63.		0
6	Highly efficient absorption of methyl tert-butyl ether with ionic liquids. Separation and Purification Technology, 2022, 282, 120108.	3.9	8
7	Unraveling the interactions of reductants and reaction path over Cu-ZSM-5 for model coal-gas-SCR via a transient reaction study. Catalysis Science and Technology, 2022, 12, 823-833.	2.1	6
8	Thermodynamic and molecular insights into gas drying with ionic liquidÂâ^'Âbased mixed absorbents. Chemical Engineering Science, 2022, 250, 117382.	1.9	7
9	Rational Design of Zinc/Zeolite Catalyst: Selective Formation of pâ€Xylene from Methanol to Aromatics Reaction. Angewandte Chemie - International Edition, 2022, 61, .	7.2	22
10	Constructing active copper species in Cu-zeolites for coal-gas-SCR and elucidating the synergistic catalytic function of CuO and Cu²⁺ ion species. Environmental Science: Nano, 2022, 9, 2372-2387.	2.2	8
11	Study of passenger-car-waste-tire pyrolysis: Behavior and mechanism under kinetical regime. Waste Management, 2022, 148, 71-82.	3.7	11
12	Defective UiO-66-NH₂ Functionalized with Stable Superoxide Radicals toward Electrocatalytic Nitrogen Reduction with High Faradaic Efficiency. ACS Applied Materials & Interfaces, 2022, 14, 26571-26586.	4.0	15
13	Highly efficient toluene absorption with Ï€-electron donor-based deep eutectic solvents. Separation and Purification Technology, 2022, 298, 121618.	3.9	16
14	Deep removal of chlorobenzene based volatile organic compounds from exhaust gas with ionic liquids. Separation and Purification Technology, 2022, 298, 121610.	3.9	17
15	Highly efficient capture of odorous sulfur-based VOCs by ionic liquids. Journal of Hazardous Materials, 2021, 402, 123507.	6.5	20
16	Insights into the shape effect of H2 self-selective Ni catalysts for efficient acetone hydrogenation. Applied Surface Science, 2021, 536, 147844.	3.1	8
17	Chlorine drying with hygroscopic ionic liquids. Green Energy and Environment, 2021, 6, 350-362.	4.7	17
18	Incorporating inactive Nd2O3 into Co/N-doped carbon as bifunctional oxygen electrocatalyst for rechargeable Zn-air battery. Catalysis Today, 2021, 364, 67-79.	2.2	10

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19	Application of Dimethyl Carbonate Assisted Chemical Looping Technology in the Separation of the Ethylene Glycol and 1,2-Butanediol Mixture and Coproduction of 1,2-Butene Carbonate. Industrial & Engineering Chemistry Research, 2021, 60, 2249-2264.	1.8	7
20	Controlled over-growth for nail-like and urchin-like cobalt with enhanced CO hydrogenation activity. Applied Surface Science, 2021, 537, 147931.	3.1	1
21	Deciphering the Sustainability of an Ionic Liquid-Based BTX Harvesting Process from Energetic, Environmental, and Economic Perspectives. ACS Sustainable Chemistry and Engineering, 2021, 9, 863-873.	3.2	9
22	H₂ In Situ Inducing Strategy on Pt Surface Segregation Over Low Pt Doped PtNi₅ Nanoalloy with Superhigh Alkaline HER Activity. Advanced Functional Materials, 2021, 31, 2008298.	7.8	74
23	Engineering Mesopores and Unsaturated Coordination in Metalâ€“Organic Frameworks for Enhanced Oxygen Reduction and Oxygen Evolution Activity and Liâ€“Air Battery Capacity. ACS Sustainable Chemistry and Engineering, 2021, 9, 4509-4519.	3.2	25
24	Metalâ€“Organic Frameworks and Metalâ€“Organic Gels for Oxygen Electrocatalysis: Structural and Compositional Considerations. Advanced Materials, 2021, 33, e2008023.	11.1	60
25	H₂Oâ€Built Proton Transfer Bridge Enhances Continuous Methane Oxidation to Methanol over Cuâ€BEA Zeolite. Angewandte Chemie - International Edition, 2021, 60, 16634-16640.	7.2	29
26	H 2 Oâ€Built Proton Transfer Bridge Enhances Continuous Methane Oxidation to Methanol over Cuâ€BEA Zeolite. Angewandte Chemie, 2021, 133, 16770-16776.	1.6	5
27	Molecular thermodynamic and dynamic insights into gas dehydration with imidazoliumâ€“based ionic liquids. Chemical Engineering Journal, 2021, 416, 129168.	6.6	27
28	Synergistic Effect of Neighboring Fe and Cu Cation Sites Boosts FenCum-BEA Activity for the Continuous Direct Oxidation of Methane to Methanol. Catalysts, 2021, 11, 1444.	1.6	7
29	Thermodynamic and kinetic roles of H2 in structure evolution of urchin-like Co: A density functional theory study. Particuology, 2020, 48, 2-12.	2.0	2
30	One-step synthesis of oxygen incorporated Vâ€“MoS2 supported on partially sulfurized nickel foam as a highly active catalyst for hydrogen evolution. International Journal of Hydrogen Energy, 2020, 45, 2774-2784.	3.8	9
31	Kinetic Understanding of Hydrogen-Mediated Ni Growth: From Metal Precursor Reduction to Branched Nanostructure Formation. Journal of Physical Chemistry C, 2020, 124, 2160-2170.	1.5	8
32	MgO-Co/N-doped carbon with inactive MgO enhancing electrocatalytic activity toward oxygen evolution and reduction reactions. Applied Surface Science, 2020, 508, 144758.	3.1	8
33	Capacitive deionization using carbon derived from an array of zeolitic-imidazolate frameworks. Nano Energy, 2020, 77, 105304.	8.2	48
34	Coordinately unsaturated metalâ€“organic framework as an unpyrolyzed bifunctional electrocatalyst for oxygen reduction and evolution reactions. Journal of Materials Chemistry A, 2020, 8, 22111-22123.	5.2	40
35	CoNi alloys with slight oxidation@N,O Co-doped carbon: enhanced collective contributions of cores and shells to multifunctional electrocatalytic activity and Znâ€“air batteries. Journal of Materials Chemistry A, 2020, 8, 25805-25823.	5.2	39
36	Mechanistic insight into H2-mediated Ni surface diffusion and deposition to form branched Ni nanocrystals: a theoretical study. Physical Chemistry Chemical Physics, 2020, 22, 23869-23877.	1.3	1

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37	Understanding Zn Functions on Hydrothermal Stability in a One-Pot-Synthesized Cu&Zn-SSZ-13 Catalyst for NH₃ Selective Catalytic Reduction. ACS Catalysis, 2020, 10, 6197-6212.	5.5	65
38	Imidazolium-Based Ionic Liquids Introduced into Ï€-Electron Donors: Highly Efficient Toluene Capture. ACS Sustainable Chemistry and Engineering, 2020, 8, 9058-9069.	3.2	48
39	Experimental and modeling study on the hydrodynamics in multiphase monolith modules with different distributors. Chemical Engineering and Processing: Process Intensification, 2020, 153, 107920.	1.8	1
40	Fe doped metal organic framework (Ni)/carbon black nanosheet as highly active electrocatalyst for oxygen evolution reaction. International Journal of Hydrogen Energy, 2020, 45, 21431-21441.	3.8	23
41	Tin-modified ionic liquid polymer: A novel and efficient catalyst for synthesis of 5-hydroxymethylfurfural from glucose. Fuel, 2020, 268, 117136.	3.4	42
42	Boosting the Oxygen Reduction Performance via Tuning the Synergy between Metal Core and Oxide Shell of Metalâ˜Organic FrameworksâEDerived Co@CoO x. ChemElectroChem, 2020, 7, 1590-1597.	1.7	16
43	An iodine-treated metal-organic framework with enhanced catalytic activity for oxygen reduction reaction in alkaline electrolyte. Electrochimica Acta, 2020, 337, 135825.	2.6	11
44	H₂â€Directing Strategy on In Situ Synthesis of Coâ€MoS₂ with Highly Expanded Interlayer for Elegant HER Activity and its Mechanism. Advanced Energy Materials, 2020, 10, 2000291.	10.2	82
45	Amorphous Niâ€“Feâ€“Se hollow nanospheres electrodeposited on nickel foam as a highly active and bifunctional catalyst for alkaline water splitting. Dalton Transactions, 2020, 49, 6764-6775.	1.6	38
46	NiSï£¿FeS/N, S coâ€doped carbon hybrid: Synergistic effect between NiS and FeS facilitating electrochemical oxygen evolution reaction. International Journal of Energy Research, 2020, 44, 7057-7067.	2.2	22
47	Bimetallic ZnCo zeolitic imidazolate framework/polypyrrole-polyaniline derived Co/N-doped carbon for oxygen reduction reaction. International Journal of Hydrogen Energy, 2020, 45, 15453-15464.	3.8	27
48	Zeolite imidazolate framework-8 derived molybdenum carbide/nitrogen-doped carbon for highly-efficient hydrogen evolution reaction. International Journal of Hydrogen Energy, 2020, 45, 15483-15494.	3.8	4
49	Removal of hexavalent chromium in soil by lignin-based weakly acidic cation exchange resin. Chinese Journal of Chemical Engineering, 2019, 27, 2544-2550.	1.7	13
50	Selective Oxidation of Cumene to the Equivalent Amount of Dimethylbenzyl Alcohol and Cumene Hydroperoxide. Industrial & Engineering Chemistry Research, 2019, 58, 19785-19793.	1.8	20
51	Ionic Liquid versus Traditional Volatile Organic Solvent in the Natural Gas Dehydration Process: A Comparison from a Life Cycle Perspective. ACS Sustainable Chemistry and Engineering, 2019, 7, 19194-19201.	3.2	23
52	Impacts of Imidazolate Ligand on Performance of Zeolitic-Imidazolate Framework-Derived Oxygen Reduction Catalysts. ACS Energy Letters, 2019, 4, 2500-2507.	8.8	34
53	Well-dispersed Coâ€“Co3O4 hybrid nanoparticles on N-doped carbon nanosheets as a bifunctional electrocatalyst for oxygen evolution and reduction reactions. International Journal of Hydrogen Energy, 2019, 44, 24184-24196.	3.8	30
54	The OH^{â˜'}-driven synthesis of Ptâ€“Ni nanocatalysts with atomic segregation for alkaline hydrogen evolution reaction. Journal of Materials Chemistry A, 2019, 7, 5475-5481.	5.2	46

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55	Highly active niobium-loaded montmorillonite catalysts for the production of 5-hydroxymethylfurfural from glucose. Green Chemistry, 2019, 21, 3930-3939.	4.6	60
56	Phase-competition-driven formation of hierarchical FeNiZn-MIL-88B-on-MOF-5 octapods displaying high selectivity for the RWGS reaction. Chemical Communications, 2019, 55, 8450-8453.	2.2	33
57	MOFs derived metallic cobalt-zinc oxide@nitrogen-doped carbon/carbon nanotubes as a highly-efficient electrocatalyst for oxygen reduction reaction. Applied Surface Science, 2019, 487, 1049-1057.	3.1	27
58	Co-Fe/MIL-101(Cr) hybrid catalysts: Preparation and their electrocatalysis in oxygen reduction reaction. International Journal of Hydrogen Energy, 2019, 44, 11754-11764.	3.8	16
59	Engineering Feâ€“Fe₃C@Feâ€“Nâ€“C Active Sites and Hybrid Structures from Dual Metalâ€“Organic Frameworks for Oxygen Reduction Reaction in H₂â€“O₂ Fuel Cell and Liâ€“O₂ Battery. Advanced Functional Materials, 2019, 29, 1901531.	7.8	153
60	â€œBulkâ€•1T/2H-MoS₂ with Tunable Phases and Residual S, N Co-Doped Carbon as a Highly Active and Durable Catalyst for Hydrogen Evolution. ACS Applied Energy Materials, 2019, 2, 2022-2033.	2.5	20
61	Less active CeO₂regulating bifunctional oxygen electrocatalytic activity of Co₃O₄@N-doped carbon for Znâ€“air batteries. Journal of Materials Chemistry A, 2019, 7, 6753-6765.	5.2	87
62	Co-CoO-Co3O4/N-doped carbon derived from metal-organic framework: The addition of carbon black for boosting oxygen electrocatalysis and Zn-Air battery. Electrochimica Acta, 2019, 295, 966-977.	2.6	72
63	Airâ€drying with ionic liquids. AICHE Journal, 2019, 65, 479-482.	1.8	26
64	Î²-Mo2C/N, P-co-doped carbon as highly efficient catalyst for hydrogen evolution reaction. Journal of Materials Science, 2019, 54, 4589-4600.	1.7	18
65	Investigation of the performance of ionic liquids of removal of mercaptan/methanol from light oil: A computational and experimental study. Fuel, 2019, 239, 502-510.	3.4	9
66	Highly selective catalytic combustion of acrylonitrile towards nitrogen over Cu-modified zeolites. Catalysis Today, 2019, 332, 201-213.	2.2	21
67	Metal-organic frameworks for highly efficient oxygen electrocatalysis. Chinese Journal of Catalysis, 2018, 39, 207-227.	6.9	36
68	A theoretical study on reaction mechanisms and kinetics of thiophene hydrodesulfurization over MoS2 catalysts. Catalysis Today, 2018, 312, 158-167.	2.2	25
69	Theoretical Investigation of the Structural Stabilities of Ceria Surfaces and Supported Metal Nanocluster in Vapor and Aqueous Phases. Journal of Physical Chemistry C, 2018, 122, 4828-4840.	1.5	26
70	Gas drying with ionic liquids. AICHE Journal, 2018, 64, 606-619.	1.8	52
71	Nucleation of Cu_n (n = 1â€“5) Clusters and Equilibrium Morphology of Cu Particles Supported on CeO₂ Surface: A Density Functional Theory Study. Journal of Physical Chemistry C, 2018, 122, 27402-27411.	1.5	15
72	Acetylene Abatement Over Micro/Mesoporous Active Carbon-Supported Low-Mercury Catalysts. Catalysts, 2018, 8, 610.	1.6	0

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73	Mechanisms of Semiconducting 2H to Metallic 1T Phase Transition in Two-dimensional MoS₂ Nanosheets. Journal of Physical Chemistry C, 2018, 122, 28215-28224.	1.5	65
74	Niobium phosphotungstates: excellent solid acid catalysts for the dehydration of fructose to 5-hydroxymethylfurfural under mild conditions. RSC Advances, 2018, 8, 32423-32433.	1.7	14
75	Process intensification on the selective catalytic oxidation of cumene with ionic liquids. Chemical Engineering and Processing: Process Intensification, 2018, 130, 88-92.	1.8	23
76	Density functional theory studies on the skeletal isomerization of 1-butene catalyzed by HZSM-23 and HZSM-48 zeolites. RSC Advances, 2017, 7, 9251-9257.	1.7	9
77	Gas solubility in longâ€chain imidazoliumâ€based ionic liquids. AICHE Journal, 2017, 63, 1792-1798.	1.8	50
78	MOF-Derived Formation of Ni₂Pâ€“CoP Bimetallic Phosphides with Strong Interfacial Effect toward Electrocatalytic Water Splitting. ACS Applied Materials & Interfaces, 2017, 9, 23222-23229.	4.0	276
79	New evidence on the correlation between lattice fringe with catalytic performance for suprafacial CO and intrafacial CH4 oxidations over Co3O4 by isotopic 18O2 exchange. Molecular Catalysis, 2017, 437, 26-36.	1.0	9
80	Highly efficient metalâ€“organic-framework catalysts for electrochemical synthesis of ammonia from N2 (air) and water at low temperature and ambient pressure. Journal of Materials Science, 2017, 52, 10175-10185.	1.7	83
81	Introduction: Ionic Liquids. Chemical Reviews, 2017, 117, 6633-6635.	23.0	855
82	Mesoporous Ceriaâ€Supported Gold Catalysts Selfâ€Assembled from Monodispersed Ceria Nanoparticles and Nanocubes: A Study of the Crystal Plane Effect for the Lowâ€Temperature Water Gas Shift Reaction. ChemCatChem, 2017, 9, 4070-4082.	1.8	12
83	Selective catalytic combustion of hydrogen cyanide over metal modified zeolite catalysts: From experiment to theory. Catalysis Today, 2017, 297, 201-210.	2.2	19
84	MOâ€Co@Nâ€Doped Carbon (M = Zn or Co): Vital Roles of Inactive Zn and Highly Efficient Activity toward Oxygen Reduction/Evolution Reactions for Rechargeable Znâ€“Air Battery. Advanced Functional Materials, 2017, 27, 1700795.	7.8	224
85	Metal-organic gel-derived Fe-Fe2O3@nitrogen-doped-carbon nanoparticles anchored on nitrogen-doped carbon nanotubes as a highly effective catalyst for oxygen reduction reaction. Electrochimica Acta, 2017, 232, 114-122.	2.6	30
86	ZIF-67 incorporated with carbon derived from pomelo peels: A highly efficient bifunctional catalyst for oxygen reduction/evolution reactions. Applied Catalysis B: Environmental, 2017, 205, 55-67.	10.8	149
87	Temperature sensitive synthesis of Î³-Al₂O₃support with different morphologies for CoMo/Î³-Al₂O₃catalysts for hydrodesulfurization of thiophene and 4,6-dimethyldibenzothiophene. Catalysis Science and Technology, 2017, 7, 466-480.	2.1	29
88	Metalâ€“organic-framework-derived FeCo alloy core@nitrogen-doped carbon shell nanoparticles anchored on carbon nanotubes for rechargeable Li O2 battery. International Journal of Hydrogen Energy, 2017, 42, 2127-2133.	3.8	42
89	Competitive Adsorption-Assisted Formation of One-Dimensional Cobalt Nanochains with High CO Hydrogenation Activity. Journal of Physical Chemistry C, 2017, 121, 24588-24593.	1.5	8
90	Hydrogen assisted synthesis of branched nickel nanostructures: a combined theoretical and experimental study. Physical Chemistry Chemical Physics, 2017, 19, 26718-26727.	1.3	13

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91	Mechanistic insight into selective catalytic combustion of HCN over Cu-BEA: influence of different active center structures. Physical Chemistry Chemical Physics, 2017, 19, 23960-23970.	1.3	6
92	Agâ€“Ni coreâ€“shell nanowires with superior electrocatalytic activity for alkaline hydrogen evolution reaction. Journal of Materials Chemistry A, 2017, 5, 16646-16652.	5.2	30
93	Desulfurization of gasoline by condensation of thiophenes with formaldehyde in a biphasic system using aqueous phase of acids. Chinese Journal of Chemical Engineering, 2017, 25, 166-170.	1.7	6
94	Morphology-Dependent Properties of Cu/CeO2 Catalysts for the Water-Gas Shift Reaction. Catalysts, 2017, 7, 48.	1.6	42
95	The Distribution and Strength of BrÃ¶nsted Acid Sites on the Multi-Aluminum Model of FER Zeolite: A Theoretical Study. Catalysts, 2017, 7, 11.	1.6	8
96	Facile, One-Pot, Two-Step, Strategy for the Production of Potential Bio-Diesel Candidates from Fructose. Catalysts, 2017, 7, 237.	1.6	9
97	Efficient Dehydration of Fructose to 5-Hydroxy-methylfurfural Catalyzed by Heteropolyacid Salts. Catalysts, 2016, 6, 49.	1.6	19
98	MoS2 with tunable surface structure directed by thiophene adsorption toward HDS and HER. Science China Materials, 2016, 59, 1051-1061.	3.5	24
99	Synthesis of TiO2 with diverse morphologies as supports of manganese catalysts for CO oxidation. Applied Petrochemical Research, 2016, 6, 89-96.	1.3	3
100	H₂ Solubility and Mass Transfer in Diesel: An Experimental and Modeling Study. Energy & Fuels, 2016, 30, 6257-6263.	2.5	14
101	NiMnO₃/NiMn₂O₄ Oxides Synthesized via the Aid of Pollen: Ilmenite/Spinel Hybrid Nanoparticles for Highly Efficient Bifunctional Oxygen Electrocatalysis. ACS Applied Materials & Interfaces, 2016, 8, 26740-26757.	4.0	88
102	Theoretical Study on Methane Oxidation Catalyzed by Fe/ZSM-5: The Significant Role of Water on Binuclear Iron Active Sites. Journal of Physical Chemistry C, 2016, 120, 27422-27429.	1.5	20
103	Synthesis of hydrogen peroxide over Pd/SiO2/COR monolith catalysts by anthraquinone method. Catalysis Today, 2016, 276, 36-45.	2.2	38
104	Siliceous tin phosphates as effective bifunctional catalysts for selective conversion of dihydroxyacetone to lactic acid. Catalysis Science and Technology, 2016, 6, 6551-6560.	2.1	24
105	Novel Feâ€“Ceâ€“Ti catalyst with remarkable performance for the selective catalytic reduction of NO_x by NH₃. Catalysis Science and Technology, 2016, 6, 6688-6696.	2.1	106
106	Adsorptivity of a Hyper Cross-Linked Ionic Polymer Poly(vinyl imidazole)-1,4-bis(chloromethyl)benzene for Thiophenic Sulfurs in Model Oil. Energy & Fuels, 2016, 30, 5035-5041.	2.5	20
107	Insight into the mechanism of catalytic combustion of acrylonitrile over Cu-doped perovskites by an experimental and theoretical study. Applied Catalysis B: Environmental, 2016, 196, 142-154.	10.8	50
108	Simulation of hydrodynamic and mass transfer performances in monolith channel. Catalysis Today, 2016, 276, 150-160.	2.2	10

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109	M(Fe, Co)-BEA washcoated honeycomb cordierite for N 2 O direct decomposition. Catalysis Today, 2016, 273, 273-285.	2.2	18
110	Selective Transformation of Various Nitrogen-Containing Exhaust Gases toward N₂ over Zeolite Catalysts. Chemical Reviews, 2016, 116, 3658-3721.	23.0	345
111	Template Design and Economical Strategy for the Synthesis of SSZâ€13 (CHAâ€Type) Zeolite as an Excellent Catalyst for the Selective Catalytic Reduction of NO_x by Ammonia. ChemCatChem, 2015, 7, 3842-3847.	1.8	40
112	Template Design and Economical Strategy for the Synthesis of SSZ-13 (CHA-Type) Zeolite as an Excellent Catalyst for the Selective Catalytic Reduction of NOxby Ammonia. ChemCatChem, 2015, 7, 3792-3792.	1.8	2
113	Process intensification on the separation of benzene and thiophene by extractive distillation. AICHE Journal, 2015, 61, 4470-4480.	1.8	55
114	Predictive Thermodynamic Models for Ionic Liquidâ€“SO₂ Systems. Industrial & Engineering Chemistry Research, 2015, 54, 10910-10917.	1.8	27
115	Absorption of CO2 with methanol and ionic liquid mixture at low temperatures. Fluid Phase Equilibria, 2015, 391, 9-17.	1.4	36
116	Synthesis of an Îµ-MnO₂/metalâ€“organic-framework composite and its electrocatalysis towards oxygen reduction reaction in an alkaline electrolyte. Journal of Materials Chemistry A, 2015, 3, 16168-16176.	5.2	105
117	Highly active tin(<scp>iv</scp>) phosphate phase transfer catalysts for the production of lactic acid from triose sugars. Catalysis Science and Technology, 2015, 5, 4410-4421.	2.1	57
118	Mn promoted Pd/TiO2â€“Al2O3 catalyst for the selective catalytic reduction of NO by H2. Applied Catalysis B: Environmental, 2015, 176-177, 618-626.	10.8	49
119	Catalytic purification of acrylonitrile-containing exhaust gases from petrochemical industry by metal-doped mesoporous zeolites. Catalysis Today, 2015, 258, 17-27.	2.2	17
120	Catalytic behaviors of chloromethane combustion over the metal-modified ZSM-5 zeolites with diverse SiO2/Al2O3 ratios. Journal of Molecular Catalysis A, 2015, 398, 223-230.	4.8	31
121	Globin-like mesoporous CeO2: A CO-assisted synthesis based on carbonate hydroxide precursors and its applications in low temperature CO oxidation. Nano Research, 2015, 8, 1269-1278.	5.8	23
122	An oniom study of the distribution of skeletalAlatoms and BrÃ¸nsted acidity in ZSM-23 zeolite. Journal of Theoretical and Computational Chemistry, 2014, 13, 1450059.	1.8	6
123	Extractive distillation with the mixture of ionic liquid and solid inorganic salt as entrainers. AICHE Journal, 2014, 60, 2994-3004.	1.8	46
124	UNIFAC model for ionic liquidâ€CO (H₂) systems: An experimental and modeling study on gas solubility. AICHE Journal, 2014, 60, 4222-4231.	1.8	47
125	A Remarkable Catalyst Combination to Widen the Operating Temperature Window of the Selective Catalytic Reduction of NO by NH₃. ChemCatChem, 2014, 6, 2263-2269.	1.8	11
126	An ONIOM study on the distribution, local structure and strength of BrÃ¶nsted acid sites in FER zeolite. Computational and Theoretical Chemistry, 2014, 1027, 5-10.	1.1	11

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127	Adsorptive separation of dimethyl disulfide from liquefied petroleum gas by different zeolites and selectivity study via FT-IR. Separation and Purification Technology, 2014, 125, 247-255.	3.9	42
128	Preparation, characterization and bifunctional catalytic properties of MOF(Fe/Co) catalyst for oxygen reduction/evolution reactions in alkaline electrolyte. International Journal of Hydrogen Energy, 2014, 39, 16179-16186.	3.8	148
129	Mesoporous SBA-15 promoted by 3d-transition and noble metals for catalytic combustion of acetonitrile. Applied Catalysis B: Environmental, 2014, 146, 79-93.	10.8	82
130	UNIFAC model for ionic liquidâ€CO₂ systems. AICHE Journal, 2014, 60, 716-729.	1.8	104
131	Gas Solubility in Ionic Liquids. Chemical Reviews, 2014, 114, 1289-1326.	23.0	845
132	Selective catalytic oxidation of ammonia to nitrogen over orderly mesoporous CuFe2O4 with high specific surface area. Science Bulletin, 2014, 59, 3980-3986.	1.7	27
133	Economical Way to Synthesize SSZ-13 with Abundant Ion-Exchanged Cu⁺ for an Extraordinary Performance in Selective Catalytic Reduction (SCR) of NO_x by Ammonia. Environmental Science & Technology, 2014, 48, 13909-13916.	4.6	195
134	An ONIOM study of the distribution of skeletal aluminum and BrÃ¸nsted acidity in ZSM-48 zeolite. Journal of Theoretical and Computational Chemistry, 2014, 13, 1450019.	1.8	4
135	Effect of hard-template residues of the nanocasted mesoporous LaFeO₃with extremely high surface areas on catalytic behaviors for methyl chloride oxidation. Journal of Materials Chemistry A, 2014, 2, 17329-17340.	5.2	34
136	Extractive distillation with ionic liquids: A review. AICHE Journal, 2014, 60, 3312-3329.	1.8	263
137	A Remarkable Catalyst Combination to Widen the Operating Temperature Window of the Selective Catalytic Reduction of NO by NH3. ChemCatChem, 2014, 6, 2143-2143.	1.8	1
138	Extractive Distillation with a Mixture of Organic Solvent and Ionic Liquid as Entrainer. Industrial & Engineering Chemistry Research, 2014, 53, 15786-15791.	1.8	64
139	Local Electric Field Effect of TMI (Fe, Co, Cu)-BEA on N₂O Direct Dissociation. Journal of Physical Chemistry C, 2014, 118, 10944-10956.	1.5	27
140	Lactic acid production from glucose over polymer catalysts in aqueous alkaline solution under mild conditions. Green Chemistry, 2014, 16, 4234-4240.	4.6	39
141	Transalkylation of Multi-secbutylbenzenes with Benzene over Hierarchical Beta Zeolite. Chinese Journal of Chemical Engineering, 2014, 22, 898-902.	1.7	3
142	Low-temperature NH3-SCR of NO by lanthanum manganite perovskites: Effect of A-/B-site substitution and TiO2/CeO2 support. Applied Catalysis B: Environmental, 2014, 146, 94-104.	10.8	129
143	Mechanism and kinetics of oxidation during the thermal stabilization of polyacrylonitrile fibers. Journal of Applied Polymer Science, 2013, 127, 3198-3203.	1.3	37
144	Influence of oxygen on the stabilization reaction of polyacrylonitrile fibers. Journal of Applied Polymer Science, 2013, 127, 2332-2338.	1.3	37

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145	Low-temperature selective catalytic reduction of NO with NH3 using perovskite-type oxides as the novel catalysts. Journal of Molecular Catalysis A, 2013, 371, 86-93.	4.8	51
146	Proton conductivity and fuel cell performance of organicâ€“inorganic hybrid membrane based on poly(methyl methacrylate)/silica. International Journal of Hydrogen Energy, 2013, 38, 7913-7923.	3.8	16
147	Simulation of structured catalytic packings in a bubble-point reactor. Chemical Engineering Science, 2013, 100, 373-383.	1.9	9
148	Direct synthesis of hierarchical zeolites with oriented nanocrystals without adding extra templates. RSC Advances, 2013, 3, 6295.	1.7	21
149	Thermodynamic Properties of Caprolactam Ionic Liquids. Chinese Journal of Chemical Engineering, 2013, 21, 766-769.	1.7	9
150	Group contribution lattice fluid equation of state for CO₂â€“ionic liquid systems: An experimental and modeling study. AICHE Journal, 2013, 59, 4399-4412.	1.8	27
151	Modeling and Simulation of Ethylene Polymerization in Industrial Slurry Reactor Series. Chinese Journal of Chemical Engineering, 2013, 21, 850-859.	1.7	22
152	Surface selective growth of ceria nanocrystals by CO absorption. Chemical Communications, 2013, 49, 9000.	2.2	14
153	Catalytic hydrogenation of acetophenone over shape controlled Pd catalysts supported on sheet-like NiO. Catalysis Today, 2013, 216, 200-204.	2.2	11
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