Qilong Ren

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

169 papers	6,032 citations	40 h-index	73 g-index
188 ext. papers	7,306 ext. citations	7.1 avg, IF	5.87 L-index

#	Paper	IF	Citations
169	Shell-like Xenon Nano-Traps within Angular Anion-Pillared Layered Porous Materials for Boosting Xe/Kr Separation.. *Angewandte Chemie - International Edition*, **2022**,	16.4	4
168	Hydrogen-Bonded Metal-Nucleobase Frameworks for Efficient Separation of Xenon and Krypton.. *Angewandte Chemie - International Edition*, **2022**,	16.4	1
167	A robust two□dimensional layered metal□organic framework for efficient separation of methane from nitrogen. *Separation and Purification Technology*, **2022**, 281, 119911	8.3	1
166	Carbon dioxide capture in gallate-based metal-organic frameworks. *Separation and Purification Technology*, **2022**, 292, 121031	8.3	3
165	A strongly hydrophobic ethane-selective metal-organic framework for efficient ethane/ethylene separation. *Chemical Engineering Journal*, **2022**, 442, 136152	14.7	2
164	Cooperative control of intralayer and interlayer space in MOFs enables selective capture of intermediate-sized molecules. *Cell Reports Physical Science*, **2022**, 100903	6.1	1
163	Crystal Structure Transformation in Hydrogen-bonded Organic Frameworks via Ion Exchange. *Chemistry - an Asian Journal*, **2021**, 16, 3978-3984	4.5	2
162	Cooperative Interplay of Br□sted Acid and Lewis Acid Sites in MIL-101(Cr) for Cross-Dehydrogenative Coupling of C-H Bonds. *ACS Applied Materials & Interfaces*, **2021**, 13, 10845-10854	9.5	5
161	Heterogeneous synthesis of tetrahydroquinoline derivatives via cascade Povarov reaction catalyzed by sulfonic acid functionalized metal-organic frameworks. *Nano Select*, **2021**, 2, 1968	3.1	1
160	Deep Desulfurization with Record SO Adsorption on the Metal-Organic Frameworks. *Journal of the American Chemical Society*, **2021**, 143, 9040-9047	16.4	24
159	Shaping of gallate-based metal-organic frameworks for adsorption separation of ethylene from acetylene and ethane. *Journal of Colloid and Interface Science*, **2021**, 581, 177-184	9.3	4
158	CoNi Alloy Nanoparticles Embedded in Metal□Organic Framework-Derived Carbon for the Highly Efficient Separation of Xenon and Krypton via a Charge-Transfer Effect. *Angewandte Chemie*, **2021**, 133, 2461-2468	3.6	7
157	CoNi Alloy Nanoparticles Embedded in Metal-Organic Framework-Derived Carbon for the Highly Efficient Separation of Xenon and Krypton via a Charge-Transfer Effect. *Angewandte Chemie - International Edition*, **2021**, 60, 2431-2438	16.4	17
156	Progress in the Enantioseparation of □Blockers by Chromatographic Methods. *Molecules*, **2021**, 26,	4.8	5
155	A robust ethane-trapping metal-organic framework for efficient purification of ethylene. *Science China Chemistry*, **2021**, 64, 666-672	7.9	4
154	A pore-engineered metal-organic framework with mixed ligands enabling highly efficient separation of hexane isomers for gasoline upgrading. *Separation and Purification Technology*, **2021**, 268, 118646	8.3	2
153	Turn-On Photocatalysis: Creating Lone-Pair Donor-Acceptor Bonds in Organic Photosensitizer to Enhance Intersystem Crossing. *Advanced Science*, **2021**, 8, e2100631	13.6	6

152	Tandem synthesis of tetrahydroquinolines and identification of the reaction network by operando NMR. *Catalysis Science and Technology*, **2021**, 11, 4332-4341	5.5	0
151	Simultaneous interlayer and intralayer space control in two-dimensional metal-organic frameworks for acetylene/ethylene separation. *Nature Communications*, **2020**, 11, 6259	17.4	23
150	Microgeometry-independent equation for measuring infinite dilution activity coefficients using gas-liquid chromatography with static-wall-coated open-tubular columns. *Journal of Chromatography A*, **2020**, 1624, 461264	4.5	1
149	Molecular Sieving of C2-C3 Alkene from Alkyne with Tuned Threshold Pressure in Robust Layered Metal□Organic Frameworks. *Angewandte Chemie*, **2020**, 132, 12825-12830	3.6	10
148	Deciphering a Reaction Network for the Switchable Production of Tetrahydroquinoline or Quinoline with MOF-Supported Pd Tandem Catalysts. *ACS Catalysis*, **2020**, 10, 5707-5714	13.1	16
147	Calcium-Based Metal-Organic Framework for Simultaneous Capture of Trace Propyne and Propadiene from Propylene. *ACS Applied Materials & Interfaces*, **2020**, 12, 17147-17154	9.5	12
146	Supramolecular Metal□Organic Framework for CO2/CH4 and CO2/N2 Separation. *Industrial & Engineering Chemistry Research*, **2020**, 59, 7866-7874	3.9	16
145	Gallate-Based Metal□Organic Frameworks for Highly Efficient Removal of Trace Propyne from Propylene. *Industrial & Engineering Chemistry Research*, **2020**, 59, 13716-13723	3.9	5
144	Titelbild: Separation of Xe from Kr with Record Selectivity and Productivity in Anion-Pillared Ultramicroporous Materials by Inverse Size-Sieving (Angew. Chem. 9/2020). *Angewandte Chemie*, **2020**, 132, 3365-3365	3.6	
143	Adsorptive Separation of Geometric Isomers of 2-Butene on Gallate-Based Metal-Organic Frameworks. *ACS Applied Materials & Interfaces*, **2020**, 12, 9609-9616	9.5	18
142	Facile Fabrication of Hierarchical MOF-Metal Nanoparticle Tandem Catalysts for the Synthesis of Bioactive Molecules. *ACS Applied Materials & Interfaces*, **2020**, 12, 23002-23009	9.5	11
141	Extraction of various metal ions by open-chain crown ether bridged diphosphates in supercritical carbon dioxide. *Pure and Applied Chemistry*, **2020**, 92, 1683-1694	2.1	0
140	Aqueous Biphasic Systems Containing Customizable Poly(Ionic Liquid)s for Highly Efficient Extractions. *ChemSusChem*, **2020**, 13, 1906-1914	8.3	2
139	Microporous Carbon Adsorbents Prepared by Activating Reagent-Free Pyrolysis for Upgrading Low-Quality Natural Gas. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 977-985	8.3	12
138	Separation of Xe from Kr with Record Selectivity and Productivity in Anion-Pillared Ultramicroporous Materials by Inverse Size-Sieving. *Angewandte Chemie*, **2020**, 132, 3451-3456	3.6	18
137	Separation of Xe from Kr with Record Selectivity and Productivity in Anion-Pillared Ultramicroporous Materials by Inverse Size-Sieving. *Angewandte Chemie - International Edition*, **2020**, 59, 3423-3428	16.4	45
136	Molecular Sieving of C -C Alkene from Alkyne with Tuned Threshold Pressure in Robust Layered Metal-Organic Frameworks. *Angewandte Chemie - International Edition*, **2020**, 59, 12725-12730	16.4	36
135	Allylic oxidation of olefins with a manganese-based metal□rganic framework. *Green Chemistry*, **2019**, 21, 3629-3636	10	10

134	A Robust Squarate-Based Metal-Organic Framework Demonstrates Record-High Affinity and Selectivity for Xenon over Krypton. *Journal of the American Chemical Society*, **2019**, 141, 9358-9364	16.4	97
133	Highly efficient treatment of textile dyeing sludge by CO thermal plasma gasification. *Waste Management*, **2019**, 90, 29-36	8.6	29
132	Green chemical engineering in China. *Reviews in Chemical Engineering*, **2019**, 35, 995-1077	5	1
131	Engineering the Pore Size of Pillared-Layer Coordination Polymers Enables Highly Efficient Adsorption Separation of Acetylene from Ethylene. *ACS Applied Materials & Interfaces*, **2019**, 11, 28197-28204	9.5	39
130	M-Gallate (M = Ni, Co) Metal□Organic Framework-Derived Ni/C and Bimetallic Ni□Co/C Catalysts for Lignin Conversion into Monophenols. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 12955-12963	8.3	32
129	Adsorptive Separation of Acetylene from Ethylene in Isostructural Gallate-Based Metal-Organic Frameworks. *Chemistry - A European Journal*, **2019**, 25, 15516-15524	4.8	19
128	Inverse Adsorption Separation of CO/CH Mixture in Cyclodextrin-Based Metal-Organic Frameworks. *ACS Applied Materials & Interfaces*, **2019**, 11, 2543-2550	9.5	75
127	Organocatalyzed cross-dehydrogenative coupling for C(sp3)□O bonds formation: a rapid access to □-aminoxyl isochromans. *Catalysis Letters*, **2019**, 149, 574-579	2.8	4
126	A calcium-based microporous metal-organic framework for efficient adsorption separation of light hydrocarbons. *Chemical Engineering Journal*, **2019**, 358, 446-455	14.7	53
125	Gas Separation: A Single-Molecule Propyne Trap: Highly Efficient Removal of Propyne from Propylene with Anion-Pillared Ultramicroporous Materials (Adv. Mater. 10/2018). *Advanced Materials*, **2018**, 30, 1870068	24	3
124	Metal nanoparticles in ionic liquid-cosolvent biphasic systems as active catalysts for acetylene hydrochlorination. *AICHE Journal*, **2018**, 64, 2536-2544	3.6	13
123	A Single-Molecule Propyne Trap: Highly Efficient Removal of Propyne from Propylene with Anion-Pillared Ultramicroporous Materials. *Advanced Materials*, **2018**, 30, 1705374	24	92
122	Separation of Hydrophobic Compounds Differing in a Monounsaturated Double Bond Using Hydrophilic Ionic Liquid/Water Mixtures as Extractants. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 2379-2385	8.3	4
121	Performance Comparison of Metal□Organic Framework Extrudates and Commercial Zeolite for Ethylene/Ethane Separation. *Industrial & Engineering Chemistry Research*, **2018**, 57, 1645-1654	3.9	32
120	Fine Tuning and Specific Binding Sites with a Porous Hydrogen-Bonded Metal-Complex Framework for Gas Selective Separations. *Journal of the American Chemical Society*, **2018**, 140, 4596-4603	16.4	115
119	Highly efficient separation of strongly hydrophilic structurally related compounds by hydrophobic ionic solutions. *AICHE Journal*, **2018**, 64, 1373-1382	3.6	2
118	Pd-Ni nanoparticles supported on titanium oxide as effective catalysts for Suzuki-Miyaura coupling reactions. *Frontiers of Chemical Science and Engineering*, **2018**, 12, 24-31	4.5	16
117	An Asymmetric Anion-Pillared Metal□Organic Framework as a Multisite Adsorbent Enables Simultaneous Removal of Propyne and Propadiene from Propylene. *Angewandte Chemie*, **2018**, 130, 13329-13333	3.6	31

116	An Asymmetric Anion-Pillared Metal-Organic Framework as a Multisite Adsorbent Enables Simultaneous Removal of Propyne and Propadiene from Propylene. *Angewandte Chemie - International Edition*, **2018**, 57, 13145-13149	16.4	58
115	Highly efficient separation of methane from nitrogen on a squarate-based metal-organic framework. *AICHE Journal*, **2018**, 64, 3681-3689	3.6	52
114	Gas production from polyethylene terephthalate using rotating arc plasma. *Chemical Engineering and Processing: Process Intensification*, **2018**, 128, 257-262	3.7	5
113	Molecular Sieving of Ethane from Ethylene through the Molecular Cross-Section Size Differentiation in Gallate-based Metal Organic Frameworks. *Angewandte Chemie*, **2018**, 130, 16252-16257	3.6	47
112	Molecular Sieving of Ethane from Ethylene through the Molecular Cross-Section Size Differentiation in Gallate-based Metal-Organic Frameworks. *Angewandte Chemie - International Edition*, **2018**, 57, 16020-16025	16.4	121
111	Carboxylate Ionic Liquids with Large Free Volume and Strong Hydrogen Bonding Basicity for Efficient Separation of Butadiene and n-Butene. *Industrial & Engineering Chemistry Research*, **2018**, 57, 13519-13527	3.9	9
110	Determination and correlation of the solubility of L-arabinose and D-galactose in binary solvent mixtures from 278.15 to 333.15 K. *Korean Journal of Chemical Engineering*, **2018**, 35, 2043-2051	2.8	3
109	Nanostructured Branched-Chain Carboxylate Ionic Liquids: Synthesis, Characterization, and Extraordinary Solubility for Bioactive Molecules. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 8983-8991	8.3	18
108	Functionalized Metal-Organic Framework as a Biomimetic Heterogeneous Catalyst for Transfer Hydrogenation of Imines. *ACS Applied Materials & Interfaces*, **2017**, 9, 9772-9777	9.5	29
107	1-Ethyl-3-methylimidazolium acetate as a highly efficient organocatalyst for cyanosilylation of carbonyl compounds with trimethylsilyl cyanide. *Scientific Reports*, **2017**, 7, 42699	4.9	14
106	Fabrication of plasmonic Au-Pd alloy nanoparticles for photocatalytic Suzuki-Miyaura reactions under ambient conditions. *Nanoscale*, **2017**, 9, 6026-6032	7.7	55
105	Organocatalytic Approach for Transfer Hydrogenation of Quinolines, Benzoxazines and Benzothiazines. *Catalysis Letters*, **2017**, 147, 1673-1678	2.8	7
104	Ultrahigh and Selective SO Uptake in Inorganic Anion-Pillared Hybrid Porous Materials. *Advanced Materials*, **2017**, 29, 1606929	24	127
103	Synthesis of anion-functionalized mesoporous poly(ionic liquid)s via a microphase separation-hypercrosslinking strategy: highly efficient adsorbents for bioactive molecules. *Journal of Materials Chemistry A*, **2017**, 5, 14114-14123	13	42
102	Efficient Synthesis of Cyclic Carbonates from Atmospheric CO2 Using a Positive Charge Delocalized Ionic Liquid Catalyst. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 2841-2846	8.3	80
101	Sorting of C4 Olefins with Interpenetrated Hybrid Ultramicroporous Materials by Combining Molecular Recognition and Size-Sieving. *Angewandte Chemie*, **2017**, 129, 16500-16505	3.6	39
100	Sorting of C Olefins with Interpenetrated Hybrid Ultramicroporous Materials by Combining Molecular Recognition and Size-Sieving. *Angewandte Chemie - International Edition*, **2017**, 56, 16282-16287	16.4	101
99	Pyrolysis of pulverized coal to acetylene in magnetically rotating hydrogen plasma reactor. *Fuel Processing Technology*, **2017**, 167, 721-729	7.2	7

98	Gas Purification: Ultrahigh and Selective SO2 Uptake in Inorganic Anion-Pillared Hybrid Porous Materials (Adv. Mater. 28/2017). *Advanced Materials*, **2017**, 29,	24	3
97	Hybrid Deep Eutectic Solvents with Flexible Hydrogen-Bonded Supramolecular Networks for Highly Efficient Uptake of NH. *ChemSusChem*, **2017**, 10, 3368-3377	8.3	74
96	An Ideal Molecular Sieve for Acetylene Removal from Ethylene with Record Selectivity and Productivity. *Advanced Materials*, **2017**, 29, 1704210	24	213
95	Numerical simulation of the entrained flow hydropyrolysis of coal in magnetically rotating plasma reactor. *Energy Conversion and Management*, **2017**, 148, 431-439	10.6	9
94	Efficient adsorption separation of acetylene and ethylene via supported ionic liquid on metal-organic framework. *AICHE Journal*, **2017**, 63, 2165-2175	3.6	51
93	Innentitelbild: Sorting of C4 Olefins with Interpenetrated Hybrid Ultramicroporous Materials by Combining Molecular Recognition and Size-Sieving (Angew. Chem. 51/2017). *Angewandte Chemie*, **2017**, 129, 16310-16310	3.6	0
92	Pyrolysis of Polyolefins Using Rotating Arc Plasma Technology for Production of Acetylene. *Energies*, **2017**, 10, 513	3.1	8
91	Hydropyrolysis of n-Hexane and Toluene to Acetylene in Rotating-Arc Plasma. *Energies*, **2017**, 10, 899	3.1	11
90	Hybrid Deep Eutectic Solvents with Flexible Hydrogen-Bonded Supramolecular Networks for Highly Efficient Uptake of NH3. *ChemSusChem*, **2017**, 10, 3283-3283	8.3	1
89	Efficient removal of both basic and non-basic nitrogen compounds from fuels by deep eutectic solvents. *Green Chemistry*, **2016**, 18, 157-164	10	63
88	Potential of microporous metal□rganic frameworks for separation of hydrocarbon mixtures. *Energy and Environmental Science*, **2016**, 9, 3612-3641	35.4	428
87	Thiourea-Catalyzed Cross-Dehydrogenative Coupling of C(sp3)□H with Diethyl Phosphite. *European Journal of Organic Chemistry*, **2016**, 2016, 3939-3942	3.2	16
86	New Insights into CO2 Absorption Mechanisms with Amino-Acid Ionic Liquids. *ChemSusChem*, **2016**, 9, 806-12	8.3	54
85	Separation of highly unsaturated fatty acid methyl esters from model bio-oils with ionic liquid-cosolvent as extractants. *RSC Advances*, **2016**, 6, 60709-60716	3.7	7
84	Adsorption separation of raffinose from sucrose by activated carbon: Equilibrium, kinetics and dynamic breakthrough. *Separation Science and Technology*, **2016**, 51, 1636-1644	2.5	1
83	Catalytic dehydration of glucose to 5-hydroxymethylfurfural with a bifunctional metal-organic framework. *AICHE Journal*, **2016**, 62, 4403-4417	3.6	75
82	CO2-Assisted Back-Extraction Method for Ionic Liquid Biphasic Systems. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 4403-4410	8.3	1
81	New Insights into CO2 Absorption Mechanisms with Amino-Acid Ionic Liquids. *ChemSusChem*, **2016**, 9, 765-765	8.3	

80	Pore chemistry and size control in hybrid porous materials for acetylene capture from ethylene. *Science*, **2016**, 353, 141-4	33.3	783
79	Enhanced solubilization and extraction of hydrophobic bioactive compounds using water/ionic liquid mixtures. *Green Chemistry*, **2016**, 18, 3549-3557	10	30
78	Incorporation of N-Methyl-d-glucamine Functionalized Oligomer into MIL-101(Cr) for Highly Efficient Removal of Boric Acid from Water. *Chemistry - A European Journal*, **2016**, 22, 15290-15297	4.8	14
77	Kinetic modeling and experimental validation of the pyrolysis of propane in hydrogen plasma. *International Journal of Hydrogen Energy*, **2016**, 41, 22689-22697	6.7	10
76	Adsorption behavior of □-tocopheryl succinate and □-tocopheryl polyethylene glycol succinate onto weakly basic anion exchange resins. *Korean Journal of Chemical Engineering*, **2015**, 32, 511-520	2.8	1
75	Confining Noble Metal (Pd, Au, Pt) Nanoparticles in Surfactant Ionic Liquids: Active Non-Mercury Catalysts for Hydrochlorination of Acetylene. *ACS Catalysis*, **2015**, 5, 6724-6731	13.1	80
74	Insight into the catalytic properties and applications of metal□organic frameworks in the cyanosilylation of aldehydes. *RSC Advances*, **2015**, 5, 79355-79360	3.7	50
73	Selective separation of zwitterionic phospholipid homologues with functional ionic liquids as extractants. *RSC Advances*, **2015**, 5, 77581-77588	3.7	8
72	Ionic Liquid-Based Nonaqueous Microemulsion **2015**, 343-358		
71	Nonaqueous lyotropic ionic liquid crystals: preparation, characterization, and application in extraction. *Chemistry - A European Journal*, **2015**, 21, 9150-6	4.8	26
70	Design and screening of ionic liquids for C2H2/C2H4 separation by COSMO-RS and experiments. *AICHE Journal*, **2015**, 61, 2016-2027	3.6	61
69	Aqueous Biphasic System Containing Long Chain Anion-Functionalized Ionic Liquids for High-Performance Extraction. *ACS Sustainable Chemistry and Engineering*, **2015**, 3, 3365-3372	8.3	44
68	Simulated moving bed chromatography for the separation of ethyl esters of eicosapentaenoic acid and docosahexaenoic acid under nonlinear conditions. *Journal of Chromatography A*, **2015**, 1425, 189-97	4.5	8
67	Immobilization of Ag(i) into a metal-organic framework with -SO3H sites for highly selective olefin-paraffin separation at room temperature. *Chemical Communications*, **2015**, 51, 2859-62	5.8	136
66	Long-Chain Fatty Acid-Based Phosphonium Ionic Liquids with Strong Hydrogen-Bond Basicity and Good Lipophilicity: Synthesis, Characterization, and Application in Extraction. *ACS Sustainable Chemistry and Engineering*, **2015**, 3, 309-316	8.3	60
65	Design and Synthesis of Thermoresponsive Ionic Liquid Polymer in Acetonitrile as a Reusable Extractant for Separation of Tocopherol Homologues. *Macromolecules*, **2015**, 48, 915-924	5.5	35
64	A general method for the separation of amphiphilic surface-active poly(ethylene glycol) mono- and di-esters with long-chain ionic liquid-based biphasic systems. *Green Chemistry*, **2014**, 16, 102-107	10	8
63	Fabrication of cuprous nanoparticles in MIL-101: an efficient adsorbent for the separation of olefin□paraffin mixtures. *RSC Advances*, **2014**, 4, 20230-20233	3.7	68

62	Thiourea as an efficient organocatalyst for the transfer hydrogenation of 2-substituted quinoline derivatives. *RSC Advances*, **2014**, 4, 42566-42568	3.7	15
61	Biphasic Systems That Consist of Hydrophilic Ionic Liquid, Water, and Ethyl Acetate: The Effects of Interactions on the Phase Behavior. *Industrial & Engineering Chemistry Research*, **2014**, 53, 10784-10790	3.9	9
60	One of the distinctive properties of ionic liquids over molecular solvents and inorganic salts: enhanced basicity stemming from the electrostatic environment and "free" microstructure. *Journal of Physical Chemistry B*, **2014**, 118, 3682-8	3.4	18
59	Adsorption of 2-Butyl-2-ethyl-1,3-propanediol from Aqueous Solutions on Activated Carbon: Salt-Out Effect on Equilibrium, Kinetics, and Dynamics. *Industrial & Engineering Chemistry Research*, **2014**, 53, 8592-8598	3.9	9
58	Ambient Lithium–SO2 Batteries with Ionic Liquids as Electrolytes. *Angewandte Chemie*, **2014**, 126, 2131-2135	3.6	18
57	Effect of Tethering Strategies on the Surface Structure of Amine-Functionalized Ionic Liquids: Inspiration on the CO2 Capture. *Journal of Physical Chemistry C*, **2013**, 117, 16012-16021	3.8	16
56	Recent Advances in Separation of Bioactive Natural Products. *Chinese Journal of Chemical Engineering*, **2013**, 21, 937-952	3.2	41
55	Diffusion coefficients of C18 unsaturated fatty acid methyl esters in supercritical carbon dioxide containing 10% mole fraction ethanol as modifier. *Journal of Supercritical Fluids*, **2013**, 83, 146-152	4.2	6
54	The essential role of hydrogen-bonding interaction in the extractive separation of phenolic compounds by ionic liquid. *AICHE Journal*, **2013**, 59, 1657-1667	3.6	45
53	Role of Hydrogen Bonds in Ionic-Liquid-Mediated Extraction of Natural Bioactive Homologues. *Industrial & Engineering Chemistry Research*, **2012**, 51, 5299-5308	3.9	23
52	Separation of soybean isoflavone aglycone homologues by ionic liquid-based extraction. *Journal of Agricultural and Food Chemistry*, **2012**, 60, 3432-40	5.7	26
51	Solubility of Vitamin D3 in Six Organic Solvents at Temperatures from (248.2 to 273.2) K. *Journal of Chemical & Engineering Data*, **2012**, 57, 2328-2331	2.8	13
50	Selective Extraction of 1-Hexene Against n-Hexane in Ionic Liquids with or without Silver Salt. *Industrial & Engineering Chemistry Research*, **2012**, 51, 8588-8597	3.9	27
49	Effect of the Ionic Liquid 1-Butyl-3-Methylimidazolium Tetrafluoroborate on the Properties of Water + Triton X-100 + Hexanol + Cyclohexane Microemulsions. *Journal of Chemical & Engineering Data*, **2012**, 57, 1274-1278	2.8	6
48	Entrainer-intensified vacuum reactive distillation process for the separation of 5-hydroxylmethylfurfural from the dehydration of carbohydrates catalyzed by a metal salt–ionic liquid. *Green Chemistry*, **2012**, 14, 1220	10	50
47	Selective Liquid–Liquid Extraction of Natural Phenolic Compounds Using Amino Acid Ionic Liquids: A Case of α-Tocopherol and Methyl Linoleate Separation. *Industrial & Engineering Chemistry Research*, **2012**, 51, 6480-6488	3.9	36
46	Ionic liquid bmimCl/formamide mixture as the polar phase of nonaqueous microemulsions. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2012**, 414, 82-87	5.1	8
45	High performance separation of sparingly aqua-/lipo-soluble bioactive compounds with an ionic liquid-based biphasic system. *Green Chemistry*, **2012**, 14, 2617	10	23

44	Improved separation efficiency using ionic liquid□osolvent mixtures as the extractant in liquid□quid extraction: A multiple adjustment and synergistic effect. *Chemical Engineering Journal*, **2012**, 181-182, 334-342	14.7	79
43	Effect of ionic liquids on temperature-induced percolation behavior of AOT microemulsions. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2012**, 396, 213-218	5.1	15
42	Adsorption Equilibria of CO2, CH4, N2, O2, and Ar on High Silica Zeolites. *Journal of Chemical & Engineering Data*, **2011**, 56, 4017-4023	2.8	57
41	Adsorption of ethane, ethylene, propane, and propylene on a magnesium-based metal-organic framework. *Langmuir*, **2011**, 27, 13554-62	4	223
40	Preparation and characterization of mono- and di-d-□ocopheryl polyethylene glycol 1000 succinate. *Journal of Applied Polymer Science*, **2011**, 119, 3026-3033	2.9	8
39	Water Solubilization Capacity and Volume-Induced Percolation of Sodium Bis(2-ethylhexyl)sulfosuccinate Microemulsions in the Presence of 1-Alkyl-3-Methylimidazolium Chloride Ionic Liquids. *Journal of Chemical & Engineering Data*, **2011**, 56, 3698-3702	2.8	21
38	Adsorption of CO2 and CH4 on a magnesium-based metal organic framework. *Journal of Colloid and Interface Science*, **2011**, 353, 549-56	9.3	357
37	Kinetic separation of carbon dioxide and methane on a copper metal-organic framework. *Journal of Colloid and Interface Science*, **2011**, 357, 504-9	9.3	89
36	Cosolvent effects on the diffusions of 1,3-dichlorobenzene, l-carvone, geraniol and 3-fluorophenol in supercritical carbon dioxide. *Journal of Supercritical Fluids*, **2011**, 58, 216-225	4.2	16
35	Volumetric Properties of Binary Mixtures of 1-Butyl-3-methylimidazolium Chloride + Water or Hydrophilic Solvents at Different Temperatures. *Journal of Chemical & Engineering Data*, **2010**, 55, 1750-1754	2.8	30
34	Adsorption of Propylene and Ethylene on 15 Activated Carbons. *Journal of Chemical & Engineering Data*, **2010**, 55, 5669-5672	2.8	9
33	Adsorption Behavior of Glucose, Xylose, and Arabinose on Five Different Cation Exchange Resins. *Journal of Chemical & Engineering Data*, **2010**, 55, 735-738	2.8	20
32	Enantioseparation of racemic paroxol on an amylose-based chiral stationary phase by supercritical fluid chromatography. *Journal of Separation Science*, **2010**, 33, 3256-62	3.4	7
31	Diffusion coefficients of l-menthone and l-carvone in mixtures of carbon dioxide and ethanol. *Journal of Supercritical Fluids*, **2010**, 55, 86-95	4.2	18
30	Separation of Macromolecular Impurities in Penicillin G Sodium by Gel Filtration Chromatography. *Journal of Liquid Chromatography and Related Technologies*, **2009**, 32, 984-999	1.3	2
29	Instability Mechanisms of Supported Liquid Membrane for Phenol Transport. *Chinese Journal of Chemical Engineering*, **2009**, 17, 750-755	3.2	21
28	Changes in inhibitory activity and secondary conformation of soybean trypsin inhibitors induced by tea polyphenol complexation. *Journal of the Science of Food and Agriculture*, **2009**, 89, 2435-2439	4.3	3
27	Reactivity of Br□sted acid ionic liquids as dual solvent and catalyst for Fischer esterifications. *Korean Journal of Chemical Engineering*, **2009**, 26, 666-672	2.8	22

26	Adsorption equilibria of artemisinin from supercritical carbon dioxide on silica gel. *Journal of Supercritical Fluids*, **2009**, 49, 189-195	4.2	18
25	Enantioseparation of paroxetine intermediate on an amylose-derived chiral stationary phase by supercritical fluid chromatography. *Journal of Chromatography A*, **2009**, 1216, 5140-6	4.5	31
24	LC Separation and Quantification of Tocopheryl Polyethylene Glycol Succinate and Tocopheryl Acid Succinate in TPGS Reaction Mixture. *Chromatographia*, **2009**, 70, 551-555	2.1	1
23	Phase Behavior and Micropolarity of Ammonium Carboxylate Perfluoropolyether Reverse Micelles in Supercritical Carbon Dioxide. *Journal of Chemical & Engineering Data*, **2009**, 54, 1884-1888	2.8	6
22	Separation and Determination of Asiaticoside, Asiaticoside-B and Madecassoside in Centella asiatica Total Triterpenoid Saponins by HPLC. *Journal of Liquid Chromatography and Related Technologies*, **2009**, 32, 1891-1900	1.3	9
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