Qiwei Yang

List of Publications by Year in Descending Order

157 papers	5,204 citations	40 h-index	67 g-index
179 ext. papers	6,505 ext. citations	8 avg, IF	5.85 L-index

#	Paper	IF	Citations
157	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
156	Hydrogen-Bonded Metal-Nucleobase Frameworks for Efficient Separation of Xenon and Krypton.. *Angewandte Chemie - International Edition*, **2022**,	16.4	1
155	Carbon dioxide capture in gallate-based metal-organic frameworks. *Separation and Purification Technology*, **2022**, 292, 121031	8.3	3
154	A strongly hydrophobic ethane-selective metal-organic framework for efficient ethane/ethylene separation. *Chemical Engineering Journal*, **2022**, 442, 136152	14.7	2
153	Separation of perfluorinated electron specialty gases on microporous carbon adsorbents with record selectivity. *Separation and Purification Technology*, **2022**, 292, 121059	8.3	2
152	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
151	Crystal Structure Transformation in Hydrogen-bonded Organic Frameworks via Ion Exchange. *Chemistry - an Asian Journal*, **2021**, 16, 3978-3984	4.5	2
150	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
149	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
148	Deep Desulfurization with Record SO Adsorption on the Metal-Organic Frameworks. *Journal of the American Chemical Society*, **2021**, 143, 9040-9047	16.4	24
147	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
146	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
145	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
144	Progress in the Enantioseparation of □Blockers by Chromatographic Methods. *Molecules*, **2021**, 26,	4.8	5
143	A robust ethane-trapping metal-organic framework for efficient purification of ethylene. *Science China Chemistry*, **2021**, 64, 666-672	7.9	4
142	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
141	Turn-On Photocatalysis: Creating Lone-Pair Donor-Acceptor Bonds in Organic Photosensitizer to Enhance Intersystem Crossing. *Advanced Science*, **2021**, 8, e2100631	13.6	6

140	Tandem synthesis of tetrahydroquinolines and identification of the reaction network by operando NMR. *Catalysis Science and Technology*, **2021**, 11, 4332-4341	5.5	0
139	Simultaneous interlayer and intralayer space control in two-dimensional metal-organic frameworks for acetylene/ethylene separation. *Nature Communications*, **2020**, 11, 6259	17.4	23
138	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
137	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
136	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
135	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
134	Supramolecular Metal□Organic Framework for CO2/CH4 and CO2/N2 Separation. *Industrial & Engineering Chemistry Research*, **2020**, 59, 7866-7874	3.9	16
133	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
132	Amphiphilic Super-Wetting Ionic-Liquid-Based Lower Critical Solution Temperature System: Preparation, Characterization, and Excellent Dispersion Performance for Nanostructured Materials. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 3253-3260	8.3	1
131	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	
130	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
129	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
128	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
127	Aqueous Biphasic Systems Containing Customizable Poly(Ionic Liquid)s for Highly Efficient Extractions. *ChemSusChem*, **2020**, 13, 1906-1914	8.3	2
126	De novo synthesis of microspheical cellulose 3,5-dichlorophenylcarbamates: An organic-inorganic hybrid chiral stationary phase for enantiospearation. *Separation and Purification Technology*, **2020**, 238, 116480	8.3	10
125	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
124	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
123	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

122	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
121	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
120	Highly efficient treatment of textile dyeing sludge by CO thermal plasma gasification. *Waste Management*, **2019**, 90, 29-36	8.6	29
119	Hybridization of metal□rganic framework and monodisperse spherical silica for chromatographic separation of xylene isomers. *Chinese Journal of Chemical Engineering*, **2019**, 27, 818-826	3.2	13
118	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
117	M-Gallate (M = Ni, Co) Metal□rganic Framework-Derived Ni/C and Bimetallic Ni□o/C Catalysts for Lignin Conversion into Monophenols. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 12955-12963	8.3	32
116	Adsorptive Separation of Acetylene from Ethylene in Isostructural Gallate-Based Metal-Organic Frameworks. *Chemistry - A European Journal*, **2019**, 25, 15516-15524	4.8	19
115	MIL-101(Cr)-SO3H Catalyzed Transfer Hydrogenation of 2-Substituted Quinoline Derivatives. *Chinese Journal of Organic Chemistry*, **2019**, 39, 1681	3	4
114	New catalytic effect of thiourea on the oxidative cyanation of N-aryltetrahydroisoquinolines. *Tetrahedron Letters*, **2019**, 60, 348-351	2	6
113	Inverse Adsorption Separation of CO/CH Mixture in Cyclodextrin-Based Metal-Organic Frameworks. *ACS Applied Materials & Interfaces*, **2019**, 11, 2543-2550	9.5	75
112	Organocatalyzed cross-dehydrogenative coupling for C(sp3)□ bonds formation: a rapid access to □aminoxyl isochromans. *Catalysis Letters*, **2019**, 149, 574-579	2.8	4
111	A calcium-based microporous metal-organic framework for efficient adsorption separation of light hydrocarbons. *Chemical Engineering Journal*, **2019**, 358, 446-455	14.7	53
110	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
109	Controlling Pore Shape and Size of Interpenetrated Anion-Pillared Ultramicroporous Materials Enables Molecular Sieving of CO Combined with Ultrahigh Uptake Capacity. *ACS Applied Materials & Interfaces*, **2018**, 10, 16628-16635	9.5	61
108	Metal nanoparticles in ionic liquid-cosolvent biphasic systems as active catalysts for acetylene hydrochlorination. *AICHE Journal*, **2018**, 64, 2536-2544	3.6	13
107	Ionic liquids and derived materials for lithium and sodium batteries. *Chemical Society Reviews*, **2018**, 47, 2020-2064	58.5	297
106	A Single-Molecule Propyne Trap: Highly Efficient Removal of Propyne from Propylene with Anion-Pillared Ultramicroporous Materials. *Advanced Materials*, **2018**, 30, 1705374	24	92
105	Efficient, Selective, and Reversible SO2 Capture with Highly Crosslinked Ionic Microgels via a Selective Swelling Mechanism. *Advanced Functional Materials*, **2018**, 28, 1704292	15.6	40

104	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
103	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
102	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
101	Highly efficient separation of strongly hydrophilic structurally related compounds by hydrophobic ionic solutions. *AICHE Journal*, **2018**, 64, 1373-1382	3.6	2
100	In situ hydrogenation and decarboxylation of oleic acid into heptadecane over a Cu□Ni alloy catalyst using methanol as a hydrogen carrier. *Green Chemistry*, **2018**, 20, 197-205	10	99
99	A thermostable anion-pillared metal-organic framework for C2H2/C2H4 and C2H2/CO2 separations. *Chemical Engineering Journal*, **2018**, 352, 803-810	14.7	49
98	Effect of Nitrogen/Oxygen Substances on the Pyrolysis of Alkane-Rich Gases to Acetylene by Thermal Plasma. *Energies*, **2018**, 11, 351	3.1	2
97	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
96	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
95	Shaping of ultrahigh-loading MOF pellet with a strongly anti-tearing binder for gas separation and storage. *Chemical Engineering Journal*, **2018**, 354, 1075-1082	14.7	61
94	Highly efficient separation of methane from nitrogen on a squarate-based metal-organic framework. *AICHE Journal*, **2018**, 64, 3681-3689	3.6	52
93	Gas production from polyethylene terephthalate using rotating arc plasma. *Chemical Engineering and Processing: Process Intensification*, **2018**, 128, 257-262	3.7	5
92	Adsorption separation of acetylene and ethylene in a highly thermostable microporous metal-organic framework. *Separation and Purification Technology*, **2018**, 195, 238-243	8.3	14
91	Liquid-liquid extraction of lithium from aqueous solution using novel ionic liquid extractants via COSMO-RS and experiments. *Fluid Phase Equilibria*, **2018**, 459, 129-137	2.5	25
90	MIL-101(Cr) as a synergistic catalyst for the reduction of imines with trichlorosilane. *Molecular Catalysis*, **2018**, 445, 163-169	3.3	12
89	A highly sensitive flexible metal□organic framework sets a new benchmark for separating propyne from propylene. *Journal of Materials Chemistry A*, **2018**, 6, 24452-24458	13	46
88	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
87	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

86	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
85	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
84	Hexafluorogermanate (GeFSIX) Anion-Functionalized Hybrid Ultramicroporous Materials for Efficiently Trapping Acetylene from Ethylene. *Industrial & Engineering Chemistry Research*, **2018**, 57, 7266-7274	3.9	41
83	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
82	Visible-Light-Mediated Dealkylative Coupling of Trialkylamines with Dialkyl Acetylenedicarboxylates. *Synlett*, **2017**, 28, 1116-1120	2.2	5
81	Carboxylate Ionic Liquids Combining Low Cytotoxicity toward HepG2 Cell and High Separation Efficiency for Bioactive Molecules. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 1974-1981	8.3	16
80	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
79	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
78	Mechanistic studies of thiourea-catalyzed cross-dehydrogenative C-P and C-C coupling reactions and their further applications. *Tetrahedron*, **2017**, 73, 3118-3124	2.4	13
77	Ultrahigh and Selective SO Uptake in Inorganic Anion-Pillared Hybrid Porous Materials. *Advanced Materials*, **2017**, 29, 1606929	24	127
76	Long-Chain Carboxylate Ionic Liquids Combining High Solubility and Low Viscosity for Light Hydrocarbon Separations. *Industrial & Engineering Chemistry Research*, **2017**, 56, 7336-7344	3.9	17
75	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
74	Preparation of ordered N-doped mesoporous carbon materials via a polymer-ionic liquid assembly. *Chemical Communications*, **2017**, 53, 4915-4918	5.8	26
73	Enhanced self-assembly for the solubilization of cholesterol in molecular solvent/ionic liquid mixtures. *Physical Chemistry Chemical Physics*, **2017**, 19, 10835-10842	3.6	6
72	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
71	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
70	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
69	Pyrolysis of pulverized coal to acetylene in magnetically rotating hydrogen plasma reactor. *Fuel Processing Technology*, **2017**, 167, 721-729	7.2	7

68	Gas Purification: Ultrahigh and Selective SO2 Uptake in Inorganic Anion-Pillared Hybrid Porous Materials (Adv. Mater. 28/2017). *Advanced Materials*, **2017**, 29,	24	3
67	Hybrid Deep Eutectic Solvents with Flexible Hydrogen-Bonded Supramolecular Networks for Highly Efficient Uptake of NH. *ChemSusChem*, **2017**, 10, 3368-3377	8.3	74
66	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
65	Efficient adsorption separation of acetylene and ethylene via supported ionic liquid on metal-organic framework. *AICHE Journal*, **2017**, 63, 2165-2175	3.6	51
64	A spherical N-methyl-d-glucamine-based hybrid adsorbent for highly efficient adsorption of boric acid from water. *Separation and Purification Technology*, **2017**, 172, 43-50	8.3	14
63	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
62	Pyrolysis of Polyolefins Using Rotating Arc Plasma Technology for Production of Acetylene. *Energies*, **2017**, 10, 513	3.1	8
61	Hydropyrolysis of n-Hexane and Toluene to Acetylene in Rotating-Arc Plasma. *Energies*, **2017**, 10, 899	3.1	11
60	Hybrid Deep Eutectic Solvents with Flexible Hydrogen-Bonded Supramolecular Networks for Highly Efficient Uptake of NH3. *ChemSusChem*, **2017**, 10, 3283-3283	8.3	1
59	Efficient removal of both basic and non-basic nitrogen compounds from fuels by deep eutectic solvents. *Green Chemistry*, **2016**, 18, 157-164	10	63
58	Thiourea-Catalyzed Cross-Dehydrogenative Coupling of C(sp3)H with Diethyl Phosphite. *European Journal of Organic Chemistry*, **2016**, 2016, 3939-3942	3.2	16
57	New Insights into CO2 Absorption Mechanisms with Amino-Acid Ionic Liquids. *ChemSusChem*, **2016**, 9, 806-12	8.3	54
56	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
55	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
54	Catalytic dehydration of glucose to 5-hydroxymethylfurfural with a bifunctional metal-organic framework. *AICHE Journal*, **2016**, 62, 4403-4417	3.6	75
53	CO2-Assisted Back-Extraction Method for Ionic Liquid Biphasic Systems. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 4403-4410	8.3	1
52	New Insights into CO2 Absorption Mechanisms with Amino-Acid Ionic Liquids. *ChemSusChem*, **2016**, 9, 765-765	8.3	
51	Pore chemistry and size control in hybrid porous materials for acetylene capture from ethylene. *Science*, **2016**, 353, 141-4	33.3	783

50	Enhanced solubilization and extraction of hydrophobic bioactive compounds using water/ionic liquid mixtures. *Green Chemistry*, **2016**, 18, 3549-3557	10	30
49	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
48	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
47	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
46	Self-assembly induced solubilization of drug-like molecules in nanostructured ionic liquids. *Chemical Communications*, **2015**, 51, 13170-3	5.8	35
45	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
44	Proton Microenvironment and Interfacial Structure of Sulfonic-Acid-Functionalized Ionic Liquids. *Journal of Physical Chemistry C*, **2015**, 119, 20379-20388	3.8	11
43	Selective separation of zwitterionic phospholipid homologues with functional ionic liquids as extractants. *RSC Advances*, **2015**, 5, 77581-77588	3.7	8
42	Preparation of porous cellulose 3,5-dimethylphenylcarbamate hybrid organosilica particles for chromatographic applications. *Journal of Materials Chemistry B*, **2015**, 3, 620-628	7.3	17
41	Ionic Liquid-Based Nonaqueous Microemulsion **2015**, 343-358		
40	Nonaqueous lyotropic ionic liquid crystals: preparation, characterization, and application in extraction. *Chemistry - A European Journal*, **2015**, 21, 9150-6	4.8	26
39	Design and screening of ionic liquids for C2H2/C2H4 separation by COSMO-RS and experiments. *AICHE Journal*, **2015**, 61, 2016-2027	3.6	61
38	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
37	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
36	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
35	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
34	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
33	Enhancing the basicity of ionic liquids by tuning the cation-anion interaction strength and via the anion-tethered strategy. *Journal of Physical Chemistry B*, **2014**, 118, 1071-9	3.4	57

32	Polyethylenimine-Assisted Extraction of -Tocopherol from Tocopherol Homologues and CO2-Triggered Fast Recovery of the Extractant. *Industrial & Engineering Chemistry Research*, **2014**, 53, 16025-16032	3.9	21
31	Thiourea as an efficient organocatalyst for the transfer hydrogenation of 2-substituted quinoline derivatives. *RSC Advances*, **2014**, 4, 42566-42568	3.7	15
30	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
29	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
28	Ambient lithium-SO2 batteries with ionic liquids as electrolytes. *Angewandte Chemie - International Edition*, **2014**, 53, 2099-103	16.4	57
27	Ambient Lithium–SO2 Batteries with Ionic Liquids as Electrolytes. *Angewandte Chemie*, **2014**, 126, 2131-2135	3.6	18
26	Determination and Correlation of Solubility of Nonivamide in Different Solvents. *Chinese Journal of Chemical Engineering*, **2014**, 22, 1141-1144	3.2	5
25	Separation of long chain fatty acids with different number of unsaturated bonds by fractional extraction: experimental and COSMO-RS study. *Food Chemistry*, **2014**, 143, 411-7	8.5	19
24	Solvatochromic Parameters of the Binary Mixtures of Imidazolium Chloride Ionic Liquid Plus Molecular Solvent. *Journal of Applied Solution Chemistry and Modeling*, **2014**, 3, 223-230		8
23	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
22	The effect of molecular solvents on the viscosity, conductivity and ionicity of mixtures containing chloride anion-based ionic liquid. *Journal of Industrial and Engineering Chemistry*, **2013**, 19, 1708-1714	6.3	28
21	Recent Advances in Separation of Bioactive Natural Products. *Chinese Journal of Chemical Engineering*, **2013**, 21, 937-952	3.2	41
20	Feasibility of ionic liquids as extractants for selective separation of vitamin D and tachysterol by solvent extraction. *Journal of Agricultural and Food Chemistry*, **2013**, 61, 3479-87	5.7	17
19	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
18	Molecular Dynamics Simulation Study on the Absorption of Ethylene and Acetylene in Ionic Liquids. *Industrial & Engineering Chemistry Research*, **2013**, 52, 9308-9316	3.9	32
17	Synthesis and characterization of cellulose 3,5-dimethylphenylcarbamate silica hybrid spheres for enantioseparation of chiral -blockers. *Journal of Chromatography A*, **2013**, 1321, 38-47	4.5	21
16	Improved Efficiency of Ethylene/Ethane Separation Using a Symmetrical Dual Nitrile-Functionalized Ionic Liquid. *ACS Sustainable Chemistry and Engineering*, **2013**, 1, 1357-1363	8.3	19
15	Role of Hydrogen Bonds in Ionic-Liquid-Mediated Extraction of Natural Bioactive Homologues. *Industrial & Engineering Chemistry Research*, **2012**, 51, 5299-5308	3.9	23

14	Separation of soybean isoflavone aglycone homologues by ionic liquid-based extraction. *Journal of Agricultural and Food Chemistry*, **2012**, 60, 3432-40	5.7	26
13	Accurate measurements of infinite dilution activity coefficients using gas chromatography with static-wall-coated open-tubular columns. *Analytical Chemistry*, **2012**, 84, 9109-15	7.8	16
12	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
11	Selective Liquid□liquid Extraction of Natural Phenolic Compounds Using Amino Acid Ionic Liquids: A Case of □-Tocopherol and Methyl Linoleate Separation. *Industrial & Engineering Chemistry Research*, **2012**, 51, 6480-6488	3.9	36
10	Differential solubility of ethylene and acetylene in room-temperature ionic liquids: a theoretical study. *Journal of Physical Chemistry B*, **2012**, 116, 3944-53	3.4	39
9	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
8	High performance separation of sparingly aqua-/lipo-soluble bioactive compounds with an ionic liquid-based biphasic system. *Green Chemistry*, **2012**, 14, 2617	10	23
7	Improved separation efficiency using ionic liquid□osolvent mixtures as the extractant in liquid□liquid extraction: A multiple adjustment and synergistic effect. *Chemical Engineering Journal*, **2012**, 181-182, 334-342	14.7	79
6	Ionic Liquid-Mediated Liquid-Liquid Extraction **2011**,		4
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