

Qilong Ren

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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	Pore chemistry and size control in hybrid porous materials for acetylene capture from ethylene. <i>Science</i> , 2016 , 353, 141-4	33.3	783
168	Potential of microporous metal-organic frameworks for separation of hydrocarbon mixtures. <i>Energy and Environmental Science</i> , 2016 , 9, 3612-3641	35.4	428
167	Adsorption of CO ₂ and CH ₄ on a magnesium-based metal organic framework. <i>Journal of Colloid and Interface Science</i> , 2011 , 353, 549-56	9.3	357
166	Adsorption of ethane, ethylene, propane, and propylene on a magnesium-based metal-organic framework. <i>Langmuir</i> , 2011 , 27, 13554-62	4	223
165	An Ideal Molecular Sieve for Acetylene Removal from Ethylene with Record Selectivity and Productivity. <i>Advanced Materials</i> , 2017 , 29, 1704210	24	213
164	Immobilization of Ag(i) into a metal-organic framework with -SO ₃ H sites for highly selective olefin-paraffin separation at room temperature. <i>Chemical Communications</i> , 2015 , 51, 2859-62	5.8	136
163	Ultrahigh and Selective SO Uptake in Inorganic Anion-Pillared Hybrid Porous Materials. <i>Advanced Materials</i> , 2017 , 29, 1606929	24	127
162	Molecular Sieving of Ethane from Ethylene through the Molecular Cross-Section Size Differentiation in Gallate-based Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 16020-16025	16.4	121
161	Fine Tuning and Specific Binding Sites with a Porous Hydrogen-Bonded Metal-Complex Framework for Gas Selective Separations. <i>Journal of the American Chemical Society</i> , 2018 , 140, 4596-4603	16.4	115
160	Sorting of C Olefins with Interpenetrated Hybrid Ultramicroporous Materials by Combining Molecular Recognition and Size-Sieving. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 16282-16287	16.4	101
159	A Robust Squarate-Based Metal-Organic Framework Demonstrates Record-High Affinity and Selectivity for Xenon over Krypton. <i>Journal of the American Chemical Society</i> , 2019 , 141, 9358-9364	16.4	97
158	A Single-Molecule Propyne Trap: Highly Efficient Removal of Propyne from Propylene with Anion-Pillared Ultramicroporous Materials. <i>Advanced Materials</i> , 2018 , 30, 1705374	24	92
157	Kinetic separation of carbon dioxide and methane on a copper metal-organic framework. <i>Journal of Colloid and Interface Science</i> , 2011 , 357, 504-9	9.3	89
156	Efficient Synthesis of Cyclic Carbonates from Atmospheric CO ₂ Using a Positive Charge Delocalized Ionic Liquid Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 2841-2846	8.3	80
155	Confining Noble Metal (Pd, Au, Pt) Nanoparticles in Surfactant Ionic Liquids: Active Non-Mercury Catalysts for Hydrochlorination of Acetylene. <i>ACS Catalysis</i> , 2015 , 5, 6724-6731	13.1	80
154	Improved separation efficiency using ionic liquid-solvent mixtures as the extractant in liquid-liquid extraction: A multiple adjustment and synergistic effect. <i>Chemical Engineering Journal</i> , 2012 , 181-182, 334-342	14.7	79
153	Catalytic dehydration of glucose to 5-hydroxymethylfurfural with a bifunctional metal-organic framework. <i>AIChE Journal</i> , 2016 , 62, 4403-4417	3.6	75

152	Inverse Adsorption Separation of CO/CH Mixture in Cyclodextrin-Based Metal-Organic Frameworks. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 2543-2550	9.5	75
151	Hybrid Deep Eutectic Solvents with Flexible Hydrogen-Bonded Supramolecular Networks for Highly Efficient Uptake of NH. <i>ChemSusChem</i> , 2017 , 10, 3368-3377	8.3	74
150	Fabrication of cuprous nanoparticles in MIL-101: an efficient adsorbent for the separation of olefin/paraffin mixtures. <i>RSC Advances</i> , 2014 , 4, 20230-20233	3.7	68
149	Selective Separation of Tocopherol Homologues by Liquid-Liquid Extraction Using Ionic Liquids. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 6417-6422	3.9	67
148	Efficient removal of both basic and non-basic nitrogen compounds from fuels by deep eutectic solvents. <i>Green Chemistry</i> , 2016 , 18, 157-164	10	63
147	Design and screening of ionic liquids for C ₂ H ₂ /C ₂ H ₄ separation by COSMO-RS and experiments. <i>AIChE Journal</i> , 2015 , 61, 2016-2027	3.6	61
146	Long-Chain Fatty Acid-Based Phosphonium Ionic Liquids with Strong Hydrogen-Bond Basicity and Good Lipophilicity: Synthesis, Characterization, and Application in Extraction. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 309-316	8.3	60
145	An Asymmetric Anion-Pillared Metal-Organic Framework as a Multisite Adsorbent Enables Simultaneous Removal of Propyne and Propadiene from Propylene. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 13145-13149	16.4	58
144	Adsorption Equilibria of CO ₂ , CH ₄ , N ₂ , O ₂ , and Ar on High Silica Zeolites. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 4017-4023	2.8	57
143	Bristed acidic ionic liquids as novel catalysts for the hydrolyzation of soybean isoflavone glycosides. <i>Catalysis Communications</i> , 2008 , 9, 1307-1311	3.2	57
142	Fabrication of plasmonic Au-Pd alloy nanoparticles for photocatalytic Suzuki-Miyaura reactions under ambient conditions. <i>Nanoscale</i> , 2017 , 9, 6026-6032	7.7	55
141	New Insights into CO ₂ Absorption Mechanisms with Amino-Acid Ionic Liquids. <i>ChemSusChem</i> , 2016 , 9, 806-12	8.3	54
140	A calcium-based microporous metal-organic framework for efficient adsorption separation of light hydrocarbons. <i>Chemical Engineering Journal</i> , 2019 , 358, 446-455	14.7	53
139	Highly efficient separation of methane from nitrogen on a squarate-based metal-organic framework. <i>AIChE Journal</i> , 2018 , 64, 3681-3689	3.6	52
138	Efficient adsorption separation of acetylene and ethylene via supported ionic liquid on metal-organic framework. <i>AIChE Journal</i> , 2017 , 63, 2165-2175	3.6	51
137	Insight into the catalytic properties and applications of metal-organic frameworks in the cyanosilylation of aldehydes. <i>RSC Advances</i> , 2015 , 5, 79355-79360	3.7	50
136	Entrainer-intensified vacuum reactive distillation process for the separation of 5-hydroxymethylfurfural from the dehydration of carbohydrates catalyzed by a metal salt-ionic liquid. <i>Green Chemistry</i> , 2012 , 14, 1220	10	50
135	Molecular Sieving of Ethane from Ethylene through the Molecular Cross-Section Size Differentiation in Gallate-based Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2018 , 130, 16252-16257	3.6	47

134	The essential role of hydrogen-bonding interaction in the extractive separation of phenolic compounds by ionic liquid. <i>AIChE Journal</i> , 2013 , 59, 1657-1667	3.6	45
133	Separation of Xe from Kr with Record Selectivity and Productivity in Anion-Pillared Ultramicroporous Materials by Inverse Size-Sieving. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 3423-3428	16.4	45
132	Aqueous Biphasic System Containing Long Chain Anion-Functionalized Ionic Liquids for High-Performance Extraction. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 3365-3372	8.3	44
131	Synthesis of anion-functionalized mesoporous poly(ionic liquid)s via a microphase separation-hypercrosslinking strategy: highly efficient adsorbents for bioactive molecules. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 14114-14123	13	42
130	Recent Advances in Separation of Bioactive Natural Products. <i>Chinese Journal of Chemical Engineering</i> , 2013 , 21, 937-952	3.2	41
129	Sorting of C4 Olefins with Interpenetrated Hybrid Ultramicroporous Materials by Combining Molecular Recognition and Size-Sieving. <i>Angewandte Chemie</i> , 2017 , 129, 16500-16505	3.6	39
128	Engineering the Pore Size of Pillared-Layer Coordination Polymers Enables Highly Efficient Adsorption Separation of Acetylene from Ethylene. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 28197-28204	9.5	39
127	Rapid quantification and characterization of soyasaponins by high-performance liquid chromatography coupled with electrospray mass spectrometry. <i>Journal of Chromatography A</i> , 2006 , 1108, 31-7	4.5	37
126	Selective Liquid-Liquid Extraction of Natural Phenolic Compounds Using Amino Acid Ionic Liquids: A Case of Tocopherol and Methyl Linoleate Separation. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 6480-6488	3.9	36
125	Molecular Sieving of C-C Alkene from Alkyne with Tuned Threshold Pressure in Robust Layered Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 12725-12730	16.4	36
124	Design and Synthesis of Thermoresponsive Ionic Liquid Polymer in Acetonitrile as a Reusable Extractant for Separation of Tocopherol Homologues. <i>Macromolecules</i> , 2015 , 48, 915-924	5.5	35
123	Performance Comparison of Metal-Organic Framework Extrudates and Commercial Zeolite for Ethylene/Ethane Separation. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 1645-1654	3.9	32
122	M-Gallate (M = Ni, Co) Metal-Organic Framework-Derived Ni/C and Bimetallic Ni/Co/C Catalysts for Lignin Conversion into Monophenols. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 12955-12963	8.3	32
121	An Asymmetric Anion-Pillared Metal-Organic Framework as a Multisite Adsorbent Enables Simultaneous Removal of Propyne and Propadiene from Propylene. <i>Angewandte Chemie</i> , 2018 , 130, 13329-13333	3.6	31
120	Enantioseparation of paroxetine intermediate on an amylose-derived chiral stationary phase by supercritical fluid chromatography. <i>Journal of Chromatography A</i> , 2009 , 1216, 5140-6	4.5	31
119	Volumetric Properties of Binary Mixtures of 1-Butyl-3-methylimidazolium Chloride + Water or Hydrophilic Solvents at Different Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 1750-1754	2.8	30
118	Enhanced solubilization and extraction of hydrophobic bioactive compounds using water/ionic liquid mixtures. <i>Green Chemistry</i> , 2016 , 18, 3549-3557	10	30
117	Functionalized Metal-Organic Framework as a Biomimetic Heterogeneous Catalyst for Transfer Hydrogenation of Imines. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 9772-9777	9.5	29

116	Highly efficient treatment of textile dyeing sludge by CO thermal plasma gasification. <i>Waste Management</i> , 2019 , 90, 29-36	8.6	29
115	Selective Extraction of 1-Hexene Against n-Hexane in Ionic Liquids with or without Silver Salt. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 8588-8597	3.9	27
114	Nonaqueous lyotropic ionic liquid crystals: preparation, characterization, and application in extraction. <i>Chemistry - A European Journal</i> , 2015 , 21, 9150-6	4.8	26
113	Separation of soybean isoflavone aglycone homologues by ionic liquid-based extraction. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 3432-40	5.7	26
112	Deep Desulfurization with Record SO Adsorption on the Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2021 , 143, 9040-9047	16.4	24
111	Simultaneous interlayer and intralayer space control in two-dimensional metal-organic frameworks for acetylene/ethylene separation. <i>Nature Communications</i> , 2020 , 11, 6259	17.4	23
110	Role of Hydrogen Bonds in Ionic-Liquid-Mediated Extraction of Natural Bioactive Homologues. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 5299-5308	3.9	23
109	High performance separation of sparingly aqua-/lipo-soluble bioactive compounds with an ionic liquid-based biphasic system. <i>Green Chemistry</i> , 2012 , 14, 2617	10	23
108	Reactivity of Brønsted acid ionic liquids as dual solvent and catalyst for Fischer esterifications. <i>Korean Journal of Chemical Engineering</i> , 2009 , 26, 666-672	2.8	22
107	Solubilities of Dodecylpolyoxyethylene Polyoxypropylene Ether in Supercritical Carbon Dioxide. <i>Journal of Chemical & Engineering Data</i> , 2006 , 51, 542-544	2.8	22
106	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. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 3698-3702	2.8	21
105	Instability Mechanisms of Supported Liquid Membrane for Phenol Transport. <i>Chinese Journal of Chemical Engineering</i> , 2009 , 17, 750-755	3.2	21
104	Adsorption Behavior of Glucose, Xylose, and Arabinose on Five Different Cation Exchange Resins. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 735-738	2.8	20
103	Effect of Buffer Solution and Temperature on the Stability of Penicillin G. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 543-547	2.8	20
102	Adsorptive Separation of Acetylene from Ethylene in Isostructural Gallate-Based Metal-Organic Frameworks. <i>Chemistry - A European Journal</i> , 2019 , 25, 15516-15524	4.8	19
101	Adsorptive Separation of Geometric Isomers of 2-Butene on Gallate-Based Metal-Organic Frameworks. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 9609-9616	9.5	18
100	One of the distinctive properties of ionic liquids over molecular solvents and inorganic salts: enhanced basicity stemming from the electrostatic environment and "free" microstructure. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 3682-8	3.4	18
99	Ambient LithiumSO ₂ Batteries with Ionic Liquids as Electrolytes. <i>Angewandte Chemie</i> , 2014 , 126, 2131-2135	3.5	18

98	Adsorption equilibria of artemisinin from supercritical carbon dioxide on silica gel. <i>Journal of Supercritical Fluids</i> , 2009 , 49, 189-195	4.2	18
97	Diffusion coefficients of l-menthone and l-carvone in mixtures of carbon dioxide and ethanol. <i>Journal of Supercritical Fluids</i> , 2010 , 55, 86-95	4.2	18
96	Separation of Xe from Kr with Record Selectivity and Productivity in Anion-Pillared Ultramicroporous Materials by Inverse Size-Sieving. <i>Angewandte Chemie</i> , 2020 , 132, 3451-3456	3.6	18
95	Nanostructured Branched-Chain Carboxylate Ionic Liquids: Synthesis, Characterization, and Extraordinary Solubility for Bioactive Molecules. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 8983-8991	8.3	18
94	CoNi Alloy Nanoparticles Embedded in Metal-Organic Framework-Derived Carbon for the Highly Efficient Separation of Xenon and Krypton via a Charge-Transfer Effect. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 2431-2438	16.4	17
93	Deciphering a Reaction Network for the Switchable Production of Tetrahydroquinoline or Quinoline with MOF-Supported Pd Tandem Catalysts. <i>ACS Catalysis</i> , 2020 , 10, 5707-5714	13.1	16
92	Supramolecular Metal-Organic Framework for CO ₂ /CH ₄ and CO ₂ /N ₂ Separation. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 7866-7874	3.9	16
91	Pd-Ni nanoparticles supported on titanium oxide as effective catalysts for Suzuki-Miyaura coupling reactions. <i>Frontiers of Chemical Science and Engineering</i> , 2018 , 12, 24-31	4.5	16
90	Thiourea-Catalyzed Cross-Dehydrogenative Coupling of C(sp ³)H with Diethyl Phosphite. <i>European Journal of Organic Chemistry</i> , 2016 , 2016, 3939-3942	3.2	16
89	Effect of Tethering Strategies on the Surface Structure of Amine-Functionalized Ionic Liquids: Inspiration on the CO ₂ Capture. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 16012-16021	3.8	16
88	Cosolvent effects on the diffusions of 1,3-dichlorobenzene, l-carvone, geraniol and 3-fluorophenol in supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2011 , 58, 216-225	4.2	16
87	Determination of soyasaponins Ba and Bb in human serum by high-performance liquid chromatography coupled with electrospray ionization tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007 , 846, 169-75	3.2	16
86	Thiourea as an efficient organocatalyst for the transfer hydrogenation of 2-substituted quinoline derivatives. <i>RSC Advances</i> , 2014 , 4, 42566-42568	3.7	15
85	Effect of ionic liquids on temperature-induced percolation behavior of AOT microemulsions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012 , 396, 213-218	5.1	15
84	Solubility of Troeger® Base in Supercritical Carbon Dioxide. <i>Journal of Chemical & Engineering Data</i> , 2000 , 45, 464-466	2.8	15
83	1-Ethyl-3-methylimidazolium acetate as a highly efficient organocatalyst for cyanosilylation of carbonyl compounds with trimethylsilyl cyanide. <i>Scientific Reports</i> , 2017 , 7, 42699	4.9	14
82	Incorporation of N-Methyl-d-glucamine Functionalized Oligomer into MIL-101(Cr) for Highly Efficient Removal of Boric Acid from Water. <i>Chemistry - A European Journal</i> , 2016 , 22, 15290-15297	4.8	14
81	Metal nanoparticles in ionic liquid-cosolvent biphasic systems as active catalysts for acetylene hydrochlorination. <i>AIChE Journal</i> , 2018 , 64, 2536-2544	3.6	13

80	Solubility of Vitamin D3 in Six Organic Solvents at Temperatures from (248.2 to 273.2) K. <i>Journal of Chemical & Engineering Data</i> , 2012 , 57, 2328-2331	2.8	13
79	LC-APCI-MS/MS for the Determination of Celastrol in Human Whole Blood. <i>Chromatographia</i> , 2007 , 66, 735-739	2.1	13
78	Quantification of Soybean Phospholipids in Soybean Degummed Oil Residue by HPLC with Evaporative Light Scattering Detection. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2005 , 28, 1333-1343	1.3	13
77	Calcium-Based Metal-Organic Framework for Simultaneous Capture of Trace Propyne and Propadiene from Propylene. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 17147-17154	9.5	12
76	Microporous Carbon Adsorbents Prepared by Activating Reagent-Free Pyrolysis for Upgrading Low-Quality Natural Gas. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 977-985	8.3	12
75	Facile Fabrication of Hierarchical MOF-Metal Nanoparticle Tandem Catalysts for the Synthesis of Bioactive Molecules. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 23002-23009	9.5	11
74	Hydropyrolysis of n-Hexane and Toluene to Acetylene in Rotating-Arc Plasma. <i>Energies</i> , 2017 , 10, 899	3.1	11
73	Allylic oxidation of olefins with a manganese-based metal-organic framework. <i>Green Chemistry</i> , 2019 , 21, 3629-3636	10	10
72	Molecular Sieving of C2-C3 Alkene from Alkyne with Tuned Threshold Pressure in Robust Layered Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2020 , 132, 12825-12830	3.6	10
71	Kinetic modeling and experimental validation of the pyrolysis of propane in hydrogen plasma. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 22689-22697	6.7	10
70	Biphasic Systems That Consist of Hydrophilic Ionic Liquid, Water, and Ethyl Acetate: The Effects of Interactions on the Phase Behavior. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 10784-10790	3.9	9
69	Adsorption of 2-Butyl-2-ethyl-1,3-propanediol from Aqueous Solutions on Activated Carbon: Salt-Out Effect on Equilibrium, Kinetics, and Dynamics. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 8592-8598	3.9	9
68	Numerical simulation of the entrained flow hydropyrolysis of coal in magnetically rotating plasma reactor. <i>Energy Conversion and Management</i> , 2017 , 148, 431-439	10.6	9
67	Adsorption of Propylene and Ethylene on 15 Activated Carbons. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 5669-5672	2.8	9
66	Separation and Determination of Asiaticoside, Asiaticoside-B and Madecassoside in Centella asiatica Total Triterpenoid Saponins by HPLC. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2009 , 32, 1891-1900	1.3	9
65	Rapid determination of polycyclic aromatic hydrocarbons in natural tocopherols by high-performance liquid chromatography with fluorescence detection. <i>Food Chemistry</i> , 2008 , 110, 226-32	8.5	9
64	Carboxylate Ionic Liquids with Large Free Volume and Strong Hydrogen Bonding Basicity for Efficient Separation of Butadiene and n-Butene. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 13519-13527	3.9	9
63	Selective separation of zwitterionic phospholipid homologues with functional ionic liquids as extractants. <i>RSC Advances</i> , 2015 , 5, 77581-77588	3.7	8

62	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. <i>Green Chemistry</i> , 2014 , 16, 102-107	10	8
61	Pyrolysis of Polyolefins Using Rotating Arc Plasma Technology for Production of Acetylene. <i>Energies</i> , 2017 , 10, 513	3.1	8
60	Simulated moving bed chromatography for the separation of ethyl esters of eicosapentaenoic acid and docosahexaenoic acid under nonlinear conditions. <i>Journal of Chromatography A</i> , 2015 , 1425, 189-974	4.5	8
59	Ionic liquid bmimCl/formamide mixture as the polar phase of nonaqueous microemulsions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012 , 414, 82-87	5.1	8
58	Preparation and characterization of mono- and di- α -tocopheryl polyethylene glycol 1000 succinate. <i>Journal of Applied Polymer Science</i> , 2011 , 119, 3026-3033	2.9	8
57	Kinetic and equilibrium study of the enantioseparation of paroxetine intermediate on amylose and tartaric acid-based chiral stationary phases. <i>Journal of Separation Science</i> , 2008 , 31, 16-22	3.4	8
56	Quantification of triptolide in human whole blood by liquid chromatography coupled with atmospheric pressure chemical ionization tandem mass spectrometry. <i>Talanta</i> , 2007 , 72, 582-6	6.2	8
55	Parallel pore and surface diffusion of levulinic acid in basic polymeric adsorbents. <i>Journal of Chromatography A</i> , 2006 , 1132, 190-200	4.5	8
54	Organocatalytic Approach for Transfer Hydrogenation of Quinolines, Benzoxazines and Benzothiazines. <i>Catalysis Letters</i> , 2017 , 147, 1673-1678	2.8	7
53	Pyrolysis of pulverized coal to acetylene in magnetically rotating hydrogen plasma reactor. <i>Fuel Processing Technology</i> , 2017 , 167, 721-729	7.2	7
52	Separation of highly unsaturated fatty acid methyl esters from model bio-oils with ionic liquid-cosolvent as extractants. <i>RSC Advances</i> , 2016 , 6, 60709-60716	3.7	7
51	Enantioseparation of racemic paroxol on an amylose-based chiral stationary phase by supercritical fluid chromatography. <i>Journal of Separation Science</i> , 2010 , 33, 3256-62	3.4	7
50	Enantioseparation of Paroxetine Precursors by HPLC on Amylose and Tartardiamide-Based Chiral Stationary Phases. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2008 , 31, 1147-1161	1.3	7
49	CoNi Alloy Nanoparticles Embedded in Metal-Organic Framework-Derived Carbon for the Highly Efficient Separation of Xenon and Krypton via a Charge-Transfer Effect. <i>Angewandte Chemie</i> , 2021 , 133, 2461-2468	3.6	7
48	Diffusion coefficients of C18 unsaturated fatty acid methyl esters in supercritical carbon dioxide containing 10% mole fraction ethanol as modifier. <i>Journal of Supercritical Fluids</i> , 2013 , 83, 146-152	4.2	6
47	Effect of the Ionic Liquid 1-Butyl-3-Methylimidazolium Tetrafluoroborate on the Properties of Water + Triton X-100 + Hexanol + Cyclohexane Microemulsions. <i>Journal of Chemical & Engineering Data</i> , 2012 , 57, 1274-1278	2.8	6
46	Phase Behavior and Micropolarity of Ammonium Carboxylate Perfluoropolyether Reverse Micelles in Supercritical Carbon Dioxide. <i>Journal of Chemical & Engineering Data</i> , 2009 , 54, 1884-1888	2.8	6
45	Ultrasound-Assisted Extraction of Soyasaponins from Hypocotyls, and Analysis by LC-ESI-MS. <i>Chromatographia</i> , 2007 , 65, 555-560	2.1	6

44	Chromatographic Separation of Fluoxetine Hydrochloride Enantiomers by Cellulose Chiral Stationary Phase. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2005 , 28, 3229-3242	1.3	6
43	Turn-On Photocatalysis: Creating Lone-Pair Donor-Acceptor Bonds in Organic Photosensitizer to Enhance Intersystem Crossing. <i>Advanced Science</i> , 2021 , 8, e2100631	13.6	6
42	Gallate-Based Metal-Organic Frameworks for Highly Efficient Removal of Trace Propyne from Propylene. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 13716-13723	3.9	5
41	Gas production from polyethylene terephthalate using rotating arc plasma. <i>Chemical Engineering and Processing: Process Intensification</i> , 2018 , 128, 257-262	3.7	5
40	Cooperative Interplay of Brønsted Acid and Lewis Acid Sites in MIL-101(Cr) for Cross-Dehydrogenative Coupling of C-H Bonds. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 10845-10854	9.5	5
39	Progress in the Enantioseparation of β-Blockers by Chromatographic Methods. <i>Molecules</i> , 2021 , 26,	4.8	5
38	Separation of Hydrophobic Compounds Differing in a Monounsaturated Double Bond Using Hydrophilic Ionic Liquid/Water Mixtures as Extractants. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 2379-2385	8.3	4
37	Shell-like Xenon Nano-Traps within Angular Anion-Pillared Layered Porous Materials for Boosting Xe/Kr Separation.. <i>Angewandte Chemie - International Edition</i> , 2022 ,	16.4	4
36	Organocatalyzed cross-dehydrogenative coupling for C(sp ³)–C bonds formation: a rapid access to β-aminoxy isochromans. <i>Catalysis Letters</i> , 2019 , 149, 574-579	2.8	4
35	Shaping of gallate-based metal-organic frameworks for adsorption separation of ethylene from acetylene and ethane. <i>Journal of Colloid and Interface Science</i> , 2021 , 581, 177-184	9.3	4
34	A robust ethane-trapping metal-organic framework for efficient purification of ethylene. <i>Science China Chemistry</i> , 2021 , 64, 666-672	7.9	4
33	Gas Separation: A Single-Molecule Propyne Trap: Highly Efficient Removal of Propyne from Propylene with Anion-Pillared Ultramicroporous Materials (Adv. Mater. 10/2018). <i>Advanced Materials</i> , 2018 , 30, 1870068	24	3
32	Gas Purification: Ultrahigh and Selective SO ₂ Uptake in Inorganic Anion-Pillared Hybrid Porous Materials (Adv. Mater. 28/2017). <i>Advanced Materials</i> , 2017 , 29,	24	3
31	Changes in inhibitory activity and secondary conformation of soybean trypsin inhibitors induced by tea polyphenol complexation. <i>Journal of the Science of Food and Agriculture</i> , 2009 , 89, 2435-2439	4.3	3
30	Determination and correlation of the solubility of L-arabinose and D-galactose in binary solvent mixtures from 278.15 to 333.15 K. <i>Korean Journal of Chemical Engineering</i> , 2018 , 35, 2043-2051	2.8	3
29	Carbon dioxide capture in gallate-based metal-organic frameworks. <i>Separation and Purification Technology</i> , 2022 , 292, 121031	8.3	3
28	Highly efficient separation of strongly hydrophilic structurally related compounds by hydrophobic ionic solutions. <i>AIChE Journal</i> , 2018 , 64, 1373-1382	3.6	2
27	Separation of Macromolecular Impurities in Penicillin G Sodium by Gel Filtration Chromatography. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2009 , 32, 984-999	1.3	2

26	Study on the alcoholysis of isoflavone catalyzed by ionic liquids. <i>Reaction Kinetics and Catalysis Letters</i> , 2008 , 95, 257-264		2
25	Shell-like Xenon Nano-Traps within Angular Anion-Pillared Layered Porous Materials for Boosting Xe/Kr Separation. <i>Angewandte Chemie</i> ,	3.6	2
24	Crystal Structure Transformation in Hydrogen-bonded Organic Frameworks via Ion Exchange. <i>Chemistry - an Asian Journal</i> , 2021 , 16, 3978-3984	4.5	2
23	Aqueous Biphasic Systems Containing Customizable Poly(Ionic Liquid)s for Highly Efficient Extractions. <i>ChemSusChem</i> , 2020 , 13, 1906-1914	8.3	2
22	Porous Hydrogen-Bonded Frameworks Assembled from Metal-Nucleobase Entities for Xe/Kr Separation. <i>CCS Chemistry</i> , 1028-1035	7.2	2
21	A pore-engineered metal-organic framework with mixed ligands enabling highly efficient separation of hexane isomers for gasoline upgrading. <i>Separation and Purification Technology</i> , 2021 , 268, 118646	8.3	2
20	A strongly hydrophobic ethane-selective metal-organic framework for efficient ethane/ethylene separation. <i>Chemical Engineering Journal</i> , 2022 , 442, 136152	14.7	2
19	Green chemical engineering in China. <i>Reviews in Chemical Engineering</i> , 2019 , 35, 995-1077	5	1
18	Adsorption behavior of Tocopheryl succinate and Tocopheryl polyethylene glycol succinate onto weakly basic anion exchange resins. <i>Korean Journal of Chemical Engineering</i> , 2015 , 32, 511-520	2.8	1
17	Microgeometry-independent equation for measuring infinite dilution activity coefficients using gas-liquid chromatography with static-wall-coated open-tubular columns. <i>Journal of Chromatography A</i> , 2020 , 1624, 461264	4.5	1
16	Adsorption separation of raffinose from sucrose by activated carbon: Equilibrium, kinetics and dynamic breakthrough. <i>Separation Science and Technology</i> , 2016 , 51, 1636-1644	2.5	1
15	LC Separation and Quantification of Tocopheryl Polyethylene Glycol Succinate and Tocopheryl Acid Succinate in TPGS Reaction Mixture. <i>Chromatographia</i> , 2009 , 70, 551-555	2.1	1
14	RETENTION OF STATIONARY PHASE AND PARTITION EFFICIENCY OF MULTILAYER HELICAL COLUMN ROTATED AROUND ITS HORIZONTAL AXIS. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2000 , 23, 2219-2224	1.3	1
13	Hydrogen-Bonded Metal-Nucleobase Frameworks for Efficient Separation of Xenon and Krypton.. <i>Angewandte Chemie - International Edition</i> , 2022 ,	16.4	1
12	A robust two-dimensional layered metal-organic framework for efficient separation of methane from nitrogen. <i>Separation and Purification Technology</i> , 2022 , 281, 119911	8.3	1
11	Heterogeneous synthesis of tetrahydroquinoline derivatives via cascade Povarov reaction catalyzed by sulfonic acid functionalized metal-organic frameworks. <i>Nano Select</i> , 2021 , 2, 1968	3.1	1
10	CO ₂ -Assisted Back-Extraction Method for Ionic Liquid Biphasic Systems. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 4403-4410	8.3	1
9	Hybrid Deep Eutectic Solvents with Flexible Hydrogen-Bonded Supramolecular Networks for Highly Efficient Uptake of NH ₃ . <i>ChemSusChem</i> , 2017 , 10, 3283-3283	8.3	1

8	Cooperative control of intralayer and interlayer space in MOFs enables selective capture of intermediate-sized molecules. <i>Cell Reports Physical Science</i> , 2022 , 100903	6.1	1
7	Innentitelbild: Sorting of C4 Olefins with Interpenetrated Hybrid Ultramicroporous Materials by Combining Molecular Recognition and Size-Sieving (Angew. Chem. 51/2017). <i>Angewandte Chemie</i> , 2017 , 129, 16310-16310	3.6	0
6	Extraction of various metal ions by open-chain crown ether bridged diphosphates in supercritical carbon dioxide. <i>Pure and Applied Chemistry</i> , 2020 , 92, 1683-1694	2.1	0
5	Tandem synthesis of tetrahydroquinolines and identification of the reaction network by operando NMR. <i>Catalysis Science and Technology</i> , 2021 , 11, 4332-4341	5.5	0
4	Titelbild: Separation of Xe from Kr with Record Selectivity and Productivity in Anion-Pillared Ultramicroporous Materials by Inverse Size-Sieving (Angew. Chem. 9/2020). <i>Angewandte Chemie</i> , 2020 , 132, 3365-3365	3.6	
3	Ionic Liquid-Based Nonaqueous Microemulsion 2015 , 343-358		
2	Adsorption Behavior of Penicillin G Sodium on Hydrophilic Gel Toyopearl HW-40F. <i>Journal of Chemical & Engineering Data</i> , 2009 , 54, 1052-1055	2.8	
1	New Insights into CO2 Absorption Mechanisms with Amino-Acid Ionic Liquids. <i>ChemSusChem</i> , 2016 , 9, 765-765	8.3	