

List of Publications by Citations

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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.

223 papers	3,488 citations	31 h-index	41 g-index
229 ext. papers	4,563 ext. citations	4.8 avg, IF	6.17 L-index

#	Paper	IF	Citations
223	Energy-saving thermally coupled ternary extractive distillation process by combining with mixed entrainer for separating ternary mixture containing bioethanol. <i>Energy</i> , 2018 , 148, 296-308	7.9	140
222	Application of neural network algorithm in fault diagnosis of mechanical intelligence. <i>Mechanical Systems and Signal Processing</i> , 2020 , 141, 106625	7.8	67
221	A novel process design for CO ₂ capture and H ₂ S removal from the syngas using ionic liquid. <i>Journal of Cleaner Production</i> , 2019 , 213, 480-490	10.3	66
220	Extraction and mechanism for the separation of neutral N -compounds from coal tar by ionic liquids. <i>Fuel</i> , 2017 , 194, 27-35	7.1	60
219	Separation of thioglycolic acid from its aqueous solution by ionic liquids: Ionic liquids selection by the COSMO-SAC model and liquid-liquid phase equilibrium. <i>Journal of Chemical Thermodynamics</i> , 2018 , 118, 263-273	2.9	57
218	Separation of azeotrope (ethanol and ethyl methyl carbonate) by different imidazolium-based ionic liquids: Ionic liquids interaction analysis and phase equilibrium measurements. <i>Journal of Molecular Liquids</i> , 2018 , 261, 89-95	6	56
217	Design and control of methyl acetate-methanol separation via heat-integrated pressure-swing distillation. <i>Chinese Journal of Chemical Engineering</i> , 2016 , 24, 1584-1599	3.2	56
216	Control of extractive distillation process for separating heterogeneous ternary azeotropic mixture via adjusting the solvent content. <i>Separation and Purification Technology</i> , 2018 , 191, 8-26	8.3	54
215	Ionic liquid-based CO ₂ capture in power plants for low carbon emissions. <i>International Journal of Greenhouse Gas Control</i> , 2018 , 75, 134-139	4.2	49
214	Triple-column side-stream extractive distillation optimization via simulated annealing for the benzene/isopropanol/water separation. <i>Separation and Purification Technology</i> , 2020 , 236, 116303	8.3	43
213	Liquid-liquid equilibrium for ternary systems of ethyl acetate/isopropyl acetate+2,2,3,3-tetrafluoro-1-propanol+water at 298.15, 318.15K. <i>Journal of Chemical Thermodynamics</i> , 2017 , 106, 218-227	2.9	42
212	Control of an energy-saving side-stream extractive distillation process with different disturbance conditions. <i>Separation and Purification Technology</i> , 2019 , 210, 195-208	8.3	42
211	Liquid-liquid equilibrium determination and thermodynamics modeling for extraction of isopropanol from its aqueous solution. <i>Fluid Phase Equilibria</i> , 2018 , 458, 40-46	2.5	42
210	Comparison of heterogeneous azeotropic and pressure-swing distillations for separating the diisopropylether/isopropanol/water mixtures. <i>Chemical Engineering Research and Design</i> , 2019 , 143, 249-260	5.5	41
209	Study on ultrasonic treatment for municipal sludge. <i>Ultrasonics Sonochemistry</i> , 2019 , 57, 29-37	8.9	41
208	Separation of azeotrope (2,2,3,3-tetrafluoro-1-propanol + water): Isobaric vapour-liquid phase equilibrium measurements and azeotropic distillation. <i>Journal of Chemical Thermodynamics</i> , 2017 , 115, 19-26	2.9	38
207	Choline chloride based deep eutectic solvents selection and liquid-liquid equilibrium for separation of dimethyl carbonate and ethanol. <i>Journal of Molecular Liquids</i> , 2019 , 275, 347-353	6	38

206	Separation of azeotrope (allyl alcohol + water): Isobaric vapour-liquid phase equilibrium measurements and extractive distillation. <i>Journal of Chemical Thermodynamics</i> , 2018 , 118, 139-146	2.9	38
205	Separation of the mixture pyridine + methylbenzene via several acidic ionic liquids: Phase equilibrium measurement and correlation. <i>Fluid Phase Equilibria</i> , 2017 , 440, 103-110	2.5	36
204	Energy-saving hybrid processes combining pressure-swing reactive distillation and pervaporation membrane for n-propyl acetate production. <i>Separation and Purification Technology</i> , 2019 , 221, 1-11	8.3	36
203	Measurement and correlation of phase equilibria for ternary systems of water+(ethanol/1-propanol)+1-decyl-3-methylimidazolium bis(trifluoromethylsulfonyl) imide at 298.15 K. <i>Fluid Phase Equilibria</i> , 2016 , 427, 340-344	2.5	36
202	Pushing the Limits in Alcoholysis of Waste Polycarbonate with DBU-Based Ionic Liquids under Metal- and Solvent-Free Conditions. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 13114-13121	8.3	36
201	Application of Mixed Solvent To Achieve an Energy-Saving Hybrid Process Including Liquid-Liquid Extraction and Heterogeneous Azeotropic Distillation. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 2379-2388	3.9	35
200	Isobaric vapour-liquid equilibrium measurements and extractive distillation process for the azeotrope of (N,N-dimethylisopropylamine + acetone). <i>Journal of Chemical Thermodynamics</i> , 2018 , 122, 154-161	2.9	35
199	Mechanism Analysis for Separation of Cyclohexane and tert-Butanol System via Ionic Liquids as Extractants and Process Optimization. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 19984-19992	8.3	34
198	Efficient Extraction of Neutral Heterocyclic Nitrogen Compounds from Coal Tar via Ionic Liquids and Its Mechanism Analysis. <i>Energy & Fuels</i> , 2018 , 32, 9358-9370	4.1	34
197	Computer-Aided Screening of Ionic Liquids As Entrainers for Separating Methyl Acetate and Methanol via Extractive Distillation. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 9656-9664	3.9	32
196	Rapid identification and quantification of Panax notoginseng with its adulterants by near infrared spectroscopy combined with chemometrics. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019 , 206, 23-30	4.4	32
195	A review of extractive distillation from an azeotropic phenomenon for dynamic control. <i>Chinese Journal of Chemical Engineering</i> , 2019 , 27, 1510-1522	3.2	32
194	Research on ultrasound-assisted demulsification/dehydration for crude oil. <i>Ultrasonics Sonochemistry</i> , 2019 , 57, 185-192	8.9	31
193	Isobaric Vapor-Liquid Equilibrium for Binary Systems of 2,2,3,3-Tetrafluoro-1-propanol + 2,2,3,3,4,4,5,5-Octafluoro-1-pentanol at 53.3, 66.7, 80.0 kPa. <i>Journal of Chemical & Engineering Data</i> , 2016 , 61, 3371-3376	2.8	31
192	Versatile Imidazole-Anion-Derived Ionic Liquids with Unparalleled Activity for Alcoholysis of Polyester Wastes under Mild and Green Conditions. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 15127-15134	8.3	30
191	An improvement scheme for pressure-swing distillation with and without heat integration through an intermediate connection to achieve energy savings. <i>Computers and Chemical Engineering</i> , 2018 , 119, 439-449	4	30
190	Isobaric Vapor-Liquid Equilibrium for Binary Systems of Thioglycolic Acid with Water, Butyl Acetate, Butyl Formate, and Isobutyl Acetate at 101.3 kPa. <i>Journal of Chemical & Engineering Data</i> , 2017 , 62, 355-361	2.8	29
189	Comparison of pressure-swing distillation with or without crossing curved-boundary for separating a multiazeotropic ternary mixture. <i>Separation and Purification Technology</i> , 2019 , 220, 114-125	8.3	29

- 188 Separation of cresol from coal tar by imidazolium-based ionic liquid [Emim][SCN]: Interaction exploration and extraction experiment. *Fuel*, **2020**, 264, 116908 7.1 29
- 187 Stability and kinetic studies of MOF-derived carbon-confined ultrafine Co catalyst for sodium borohydride hydrolysis. *International Journal of Energy Research*, **2019**, 43, 3702-3710 4.5 28
- 186 Cooperative Conversion of CO₂ to Cyclic Carbonates in Dual-Ionic Ammonium Salts Catalytic Medium at Ambient Temperature. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 5940-5945 8.3 28
- 185 Lithium-Lanthanide Bimetallic Metal-Organic Frameworks towards Negative Electrode Materials for Lithium-Ion Batteries. *Chemistry - A European Journal*, **2020**, 26, 5654-5661 4.8 27
- 184 Isobaric Vapor-Liquid Equilibria for Binary Systems of Acetic Acid + Benzene, Chloroacetic Acid + Benzene, and Dichloroacetic Acid + Benzene at 101.33 kPa. *Journal of Chemical & Engineering Data*, **2010**, 55, 3387-3390 2.8 27
- 183 Performance Analysis of a Novel Cascade Absorption Refrigeration for Low-Grade Waste Heat Recovery. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 8350-8363 8.3 27
- 182 Separation of Dimethyl Carbonate and Methanol by Deep Eutectic Solvents: Liquid-Liquid Equilibrium Measurements and Thermodynamic Modeling. *Journal of Chemical & Engineering Data*, **2018**, 63, 1234-1239 2.8 26
- 181 Measurement and Modeling of Liquid-Liquid Equilibrium for the Systems Vinyl Acetate + Acetic Acid/Ethanol + Water at 298.15 and 308.15 K. *Journal of Chemical & Engineering Data*, **2017**, 62, 1240-1246²⁵ 2.8 25
- 180 Multifunctional Phosphonium-Based Deep Eutectic Ionic Liquids: Insights into Simultaneous Activation of CO₂ and Epoxide and Their Subsequent Cycloaddition. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 16674-16681 8.3 25
- 179 Optimization of liquid-liquid extraction combined with either heterogeneous azeotropic distillation or extractive distillation processes to reduce energy consumption and carbon dioxide emissions. *Chemical Engineering Research and Design*, **2018**, 132, 399-408 5.5 25
- 178 Measurement and thermodynamic modelling of ternary liquid-liquid equilibrium for extraction of thioglycolic acid from aqueous solution with different solvents. *Journal of Chemical Thermodynamics*, **2017**, 113, 229-235 2.9 24
- 177 Nanocage-Based Porous Metal-Organic Frameworks Constructed from Icosahedrons and Tetrahedrons for Selective Gas Adsorption. *ACS Applied Materials & Interfaces*, **2019**, 11, 20104-20109 8.5 24
- 176 Direct reductive coupling of nitroarenes and alcohols catalysed by Co₉₀/CNT@AC. *Green Chemistry*, **2019**, 21, 2129-2137 10 24
- 175 Multiscale Exploration and Experimental Insights into Separating Neutral Heterocyclic Nitrogen Compounds Using [emim][NO₃] as an Extractant. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 5662-5673 8.3 24
- 174 Efficient extraction of phenol from low-temperature coal tar model oil via imidazolium-based ionic liquid and mechanism analysis. *Journal of Molecular Liquids*, **2020**, 306, 112911 6 24
- 173 Liquid-Liquid equilibrium for the ternary systems water + 2-methyl-1-propanol + butyl acetate and water + 2-methyl-2-propanol + butyl acetate at (298.15 and 323.15) K. *Fluid Phase Equilibria*, **2014**, 381, 60-66 2.5 24
- 172 Solubilities of Triphenylphosphine in Ethanol, 2-Propanol, Acetone, Benzene, and Toluene. *Journal of Chemical & Engineering Data*, **2007**, 52, 189-191 2.8 24
- 171 Liquid-liquid equilibria for azeotropic mixture of methyl tert-butyl ether and methanol with ionic liquids at different temperatures. *Journal of Chemical Thermodynamics*, **2019**, 132, 76-82 2.9 24

170	Life cycle assessment and techno-economic analysis of biomass-to-hydrogen production with methane tri-reforming. <i>Energy</i> , 2020 , 199, 117488	7.9	24
169	Co ^{III} supported on SiO ₂ : a facile, efficient catalyst for aerobic oxidation of amines to imines. <i>RSC Advances</i> , 2017 , 7, 47366-47372	3.7	23
168	Multiscale modeling and liquid-liquid equilibria insights for the extraction of heterocyclic nitrogen compounds from coal tar via [emim][TOS] as extractant. <i>Journal of Molecular Liquids</i> , 2019 , 277, 825-832 ⁶		23
167	Separation of isopropyl alcohol and isopropyl ether with ionic liquids as extractant based on quantum chemical calculation and liquid-liquid equilibrium experiment. <i>Separation and Purification Technology</i> , 2020 , 247, 116937	8.3	23
166	Efficient Alcoholysis of Polycarbonate Catalyzed by Recyclable Lewis Acidic Ionic Liquids. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 10915-10921	3.9	23
165	Separation of azeotrope (2,2,3,3-tetrafluoro-1-propanol + water) via heterogeneous azeotropic distillation by energy-saving dividing-wall column: Process design and control strategies. <i>Chemical Engineering Research and Design</i> , 2018 , 135, 52-66	5.5	23
164	Liquid-Liquid Equilibrium for the Ternary System 2,2,3,3,4,4,5,5-Octafluoro-1-pentanol + Ethanol + Water at (298.15, 308.15, and 318.15) K. <i>Journal of Chemical & Engineering Data</i> , 2015 , 60, 2733-2738 ^{2,8}		22
163	Extraction and mechanism exploration for separating cresols from coal tar by ionic liquid ethanolamine lactate. <i>Journal of Molecular Liquids</i> , 2020 , 305, 112845	6	22
162	Liquid-Liquid Equilibrium for the Ternary System Isopropyl Acetate + Ethanol + Water at (293.15, 313.15, and 333.15) K. <i>Journal of Chemical & Engineering Data</i> , 2016 , 61, 3527-3532	2.8	22
161	Ternary liquid-liquid equilibria for systems containing (dimethyl carbonate or methyl acetate + methanol + 1-methylimidazole hydrogen sulfate) at 298.15 K and 318.15 K. <i>Journal of Chemical Thermodynamics</i> , 2018 , 121, 49-54	2.9	21
160	Vapor-Liquid equilibrium for binary and ternary systems of tetrahydrofuran, ethyl acetate and N-methyl pyrrolidone at pressure 101.3 kPa. <i>Journal of Molecular Liquids</i> , 2018 , 268, 19-25	6	21
159	Separation of heterocyclic nitrogen compounds from coal tar fractions via ionic liquids: COSMO-SAC screening and experimental study. <i>Chemical Engineering Communications</i> , 2019 , 206, 1199-1217 ^{2,21}		21
158	Heterogeneous activation of peroxymonosulfate via a Ag-La _{0.8} Ca _{0.2} Fe _{0.94} O ₃ perovskite hollow fibre membrane reactor for dye degradation. <i>Separation and Purification Technology</i> , 2019 , 211, 298-302 ^{8,3}		21
157	Ternary liquid-Liquid equilibrium of an azeotropic mixture (hexane + methanol) with different imidazolium-based ionic liquids at T = 298.15 K and 101.325 kPa. <i>Fluid Phase Equilibria</i> , 2018 , 461, 51-56 ^{2,5}		20
156	Vapour-Liquid equilibrium and extractive distillation for separation of azeotrope isopropyl alcohol and diisopropyl ether. <i>Journal of Chemical Thermodynamics</i> , 2019 , 131, 294-302	2.9	20
155	Optimal design and performance enhancement of heteroazeotropic and pressure-swing coupling distillation for downstream isopropanol separation. <i>Separation and Purification Technology</i> , 2020 , 242, 116836	8.3	19
154	Process design of carbon dioxide and ethane separation using ionic liquid by extractive distillation. <i>Journal of Chemical Technology and Biotechnology</i> , 2018 , 93, 887-896	3.5	19
153	Measurement and correlation of liquid-Liquid equilibrium for the ternary system 2,2,3,3,4,4,5,5-octafluoro-1-pentanol + methanol + water at (298.15, 308.15, and 318.15) K. <i>Fluid Phase Equilibria</i> , 2016 , 409, 377-382	2.5	19

152	Separation of azeotrope 2,2,3,3-tetrafluoro-1-propanol and water by extractive distillation using ionic liquids: Vapor-liquid equilibrium measurements and interaction analysis. <i>Journal of Molecular Liquids</i> , 2019 , 292, 111424	6	19
151	Liquid-liquid phase equilibrium and interaction exploration for separation of azeotrope (2,2,3,3-tetrafluoro-1-propanol+water) with two imidazolium-based ionic liquids. <i>Journal of Molecular Liquids</i> , 2020 , 300, 112266	6	19
150	Measurements and correlations of density, viscosity, and vapour-liquid equilibrium for fluoro alcohols. <i>Journal of Chemical Thermodynamics</i> , 2016 , 102, 155-163	2.9	19
149	Isobaric Vapor-Liquid Equilibrium for Binary Systems of Allyl Alcohol with Water, Methanol, and Ethanol at 101.3 kPa. <i>Journal of Chemical & Engineering Data</i> , 2016 , 61, 2071-2077	2.8	19
148	Efficient One Pot Capture and Conversion of CO ₂ into Quinazoline-2,4(1H,3H)-diones Using Triazolium-Based Ionic Liquids. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 2910-2918	8.3	18
147	Isobaric Vapor-Liquid Equilibrium for Three Binary Systems of Ethyl Acetate + Propyl Acetate, Ethyl Acetate + Propylene Carbonate, and Propyl Acetate + Propylene Carbonate at 101.3 kPa. <i>Journal of Chemical & Engineering Data</i> , 2018 , 63, 1588-1595	2.8	18
146	Salts effect on isobaric vapor-liquid equilibrium for separation of the azeotropic mixture allyl alcohol+water. <i>Fluid Phase Equilibria</i> , 2018 , 457, 11-17	2.5	18
145	A Brief Review of the Prediction of Liquid-Liquid Equilibrium of Ternary Systems Containing Ionic Liquids by the COSMO-SAC Model. <i>Journal of Solution Chemistry</i> , 2019 , 48, 1547-1563	1.8	18
144	Liquid-liquid measurement and correlation for separation of azeotrope (dimethyl carbonate and ethanol) with different imidazolium-based ionic liquids. <i>Fluid Phase Equilibria</i> , 2019 , 485, 183-189	2.5	18
143	Separation of ternary mixture with double azeotropic system by a pressure-swing batch distillation integrated with quasi-continuous process. <i>Chemical Engineering Research and Design</i> , 2019 , 128, 85-94	5.5	17
142	Mechanism Analysis, Economic Optimization, and Environmental Assessment of Hybrid Extractive Distillation+Evaporation Processes for Dehydration of n-Propanol. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 4561-4571	8.3	17
141	Novel Postcombustion Capture Process for CO ₂ from the Flue Gas of Coal-Fired Power Plants Using a Green Deep Eutectic Solvent. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 2236-2245	8.3	17
140	Liquid-liquid extraction of methanol from its mixtures with hexane using three imidazolium-based ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2019 , 138, 189-195	2.9	17
139	Efficient recovery of benzene and n-propanol from wastewater via vapor recompression assisted extractive distillation based on techno-economic and environmental analysis. <i>Chemical Engineering Research and Design</i> , 2021 , 148, 462-472	5.5	17
138	Liquid-Liquid Equilibrium of Isobutyl Acetate + Isobutyl Alcohol + Imidazolium-Based Ionic Liquids at 298.15 and 308.15 K. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 778-783	2.8	16
137	Separation of the mixture (isopropyl alcohol + diisopropyl ether + n-propanol): Entrainer selection, interaction exploration and vapour-liquid equilibrium measurements. <i>Journal of Chemical Thermodynamics</i> , 2019 , 135, 27-34	2.9	16
136	Synthesis and property of flame retardant epoxy resins modified with 2-(diphenylphosphinyl)-1,4-benzenediol. <i>Chemical Research in Chinese Universities</i> , 2014 , 30, 868-873	2.2	16
135	Structure modulation from unstable to stable MOFs by regulating secondary N-donor ligands. <i>Dalton Transactions</i> , 2018 , 47, 14025-14032	4.3	16

134	CO ₂ erosion of BaCo _{0.85} Bi _{0.05} Zr _{0.1} O _{3-δ} perovskite membranes under oxygen permeating conditions. <i>Separation and Purification Technology</i> , 2018 , 207, 133-141	8.3	16
133	Isobaric Vapor-Liquid Equilibrium for Binary Systems of Cyclohexanone + Benzene, Cyclohexanone + Toluene, and Cyclohexanone + p-Xylene at 101.3 kPa. <i>Journal of Chemical & Engineering Data</i> , 2017 , 62, 1948-1954	2.8	15
132	Deep eutectic solvents effect on vapor-liquid phase equilibrium for separation of allyl alcohol from its aqueous solution. <i>Journal of Molecular Liquids</i> , 2019 , 279, 524-529	6	15
131	Separation of Azeotropes Hexane + Ethanol/1-Propanol by Ionic Liquid Extraction: Liquid-Liquid Phase Equilibrium Measurements and Thermodynamic Modeling. <i>Journal of Chemical & Engineering Data</i> , 2017 , 62, 4296-4300	2.8	15
130	Economic and Environmental Evaluation for Purification of Diisopropyl Ether and Isopropyl Alcohol via Combining Distillation and Pervaporation Membrane. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 20170-20179	8.3	15
129	Liquid-liquid equilibrium measurements and interaction exploration for separation of isobutyl alcohol + isobutyl acetate by imidazolium-based ionic liquids with different anions. <i>Journal of Chemical Thermodynamics</i> , 2020 , 141, 105932	2.9	15
128	Energy-saving investigation of organic material recovery from wastewater via thermal coupling extractive distillation combined with heat pump based on thermoeconomic and environmental analysis. <i>Chemical Engineering Research and Design</i> , 2021 , 146, 441-450	5.5	15
127	One-step thermal processing to prepare BaCo _{0.95-x} Bi _{0.05} Zr _x O _{3-δ} membranes for oxygen separation. <i>Ceramics International</i> , 2019 , 45, 12579-12585	5.1	14
126	Isobaric vapor-liquid equilibrium of a ternary system of ethyl acetate + propyl acetate + dimethyl sulfoxide and binary systems of ethyl acetate + dimethyl sulfoxide and propyl acetate + dimethyl sulfoxide at 101.3 kPa. <i>Journal of Chemical Thermodynamics</i> , 2019 , 135, 116-123	2.9	14
125	Liquid-Liquid Extraction of Butanol from Heptane + Butanol Mixture by Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2017 , 62, 4273-4278	2.8	14
124	Quantum chemical calculation, molecular dynamics simulation and process design for separation of heptane - butanol using ionic liquids extraction. <i>Journal of Molecular Liquids</i> , 2020 , 316, 113851	6	14
123	Hybrid reactive distillation using polyoctylmethylsiloxane membrane for isopentyl acetate production from mixed PVA by products. <i>Journal of Chemical Technology and Biotechnology</i> , 2019 , 94, 527-537	3.5	13
122	Separation of azeotropic mixture (2, 2, 3, 3-Tetrafluoro-1-propanol + water) by extractive distillation: Entrainers selection and vapour-liquid equilibrium measurements. <i>Journal of Chemical Thermodynamics</i> , 2019 , 138, 205-210	2.9	13
121	Process intensification and waste minimization for ibuprofen synthesis process. <i>Journal of Cleaner Production</i> , 2018 , 194, 396-405	10.3	13
120	Fluoride removal from secondary effluent of the graphite industry using electrodialysis: Optimization with response surface methodology. <i>Frontiers of Environmental Science and Engineering</i> , 2019 , 13, 1	5.8	12
119	Vapor-Liquid Phase Equilibrium for Separation of Isopropanol from Its Aqueous Solution by Choline Chloride-Based Deep Eutectic Solvent Selected by COSMO-SAC Model. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 1338-1348	2.8	12
118	Designed synthesis of thin CeO ₂ nanowires-supported Pt electrocatalysts with pore-interconnected structure and its high catalytic activity for methanol oxidation. <i>Journal of Materials Science</i> , 2018 , 53, 2087-2101	4.3	12
117	Succinimide-Based Ionic Liquids: An Efficient and Versatile Platform for Transformation of CO ₂ into Quinazoline-2,4(1H,3H)-diones under Mild and Solvent-Free Conditions. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 13517-13522	8.3	12

116	Control of a pressure-swing distillation process for benzene/isopropanol/water separation with and without heat integration. <i>Separation and Purification Technology</i> , 2020 , 236, 116311	8.3	12
115	Separation of -Cresol from Coal Tar Model Oil Using Propylamine-Based Ionic Liquids: Extraction and Interaction Mechanism Exploration. <i>ACS Omega</i> , 2020 , 5, 23090-23098	3.9	12
114	Vapor-liquid equilibrium of three binary systems for acetone, diethylamine and N-methyl pyrrolidone at atmospheric pressure. <i>Journal of Molecular Liquids</i> , 2019 , 274, 278-284	6	12
113	Two isostructural Ni(II)/Co(II)-based metal-organic frameworks for selective dye adsorption and catalytic cycloaddition of CO ₂ with epoxides. <i>Chinese Chemical Letters</i> , 2021 , 32, 557-560	8.1	12
112	Energy-saving quaternary extractive distillation processes with single- or double-dividing-wall column for separation of acetone/methanol/butanone/tert-butyl alcohol. <i>Chemical Engineering and Processing: Process Intensification</i> , 2020 , 153, 107999	3.7	11
111	Liquid-liquid Equilibrium Measurements and Correlation for Ternary Systems (Butyl Acetate + 1-Butanol + Ethylene Glycol/1,3-Propanediol/Ethanolamine) at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 3244-3249	2.8	11
110	Liquid-liquid equilibrium measurements and interaction explorations for separation of azeotrope n-butyl acetate and n-butanol using three ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2021 , 155, 106349	2.9	11
109	Novel applications of perovskite oxide via catalytic peroxymonosulfate advanced oxidation in aqueous systems for trace L-cysteine detection. <i>Journal of Colloid and Interface Science</i> , 2019 , 545, 311-318	9.3	10
108	Preparation and electrochemical properties of biochar from pyrolysis of pomelo peel via different methods. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2019 , 27, 453-458	1.8	10
107	Surface chemistry-dependent activity and comparative investigation on the enhanced photocatalytic performance of graphitic carbon nitride modified with various nanocarbons. <i>Journal of Colloid and Interface Science</i> , 2020 , 569, 12-21	9.3	10
106	Combining unsaturated metal sites and narrow pores within a Co(ii)-based MOF towards CO separation and transformation. <i>Dalton Transactions</i> , 2020 , 49, 2058-2062	4.3	10
105	Construction of Cu-based MOFs with enhanced hydrogenation performance by integrating open electropositive metal sites. <i>CrystEngComm</i> , 2019 , 21, 5382-5386	3.3	10
104	Room-Temperature Synthesis of Hydroxynaphthalene-1,4-dione Derivative Catalyzed by Phenylphosphinic Acid. <i>Synthetic Communications</i> , 2014 , 44, 1286-1290	1.7	10
103	COSMO-SAC-supported evaluation of natural deep eutectic solvents for the extraction of tea polyphenols and process optimization. <i>Journal of Molecular Liquids</i> , 2021 , 328, 115406	6	10
102	Separation of azeotropic mixture (acetone/n-heptane) by extractive distillation with intermediate and heavy boiling entrainers: Vapour-liquid equilibrium measurements and correlation. <i>Journal of Chemical Thermodynamics</i> , 2021 , 152, 106284	2.9	10
101	Measurement and Correlation of Phase Equilibria for Isobutyl Acetate + {Ethanol or Methanol} + Water at 303.15 and 323.15 K. <i>Journal of Chemical & Engineering Data</i> , 2017 , 62, 1587-1593	2.8	9
100	Liquid Liquid Equilibrium Data for the Separation of Acetone from n-Heptane Using Four Imidazolium-Based Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 1202-1208	2.8	9
99	Novel succinimide-based ionic liquids as efficient and sustainable media for methanolysis of polycarbonate to recover bisphenol A (BPA) under mild conditions. <i>Polymer Degradation and Stability</i> , 2019 , 169, 108996	4.7	9

98	Separation of azeotrope 2,2,3,3-tetrafluoro-1-propanol and water: Liquid-liquid equilibrium measurements and interaction exploration. <i>Journal of Chemical Thermodynamics</i> , 2020 , 142, 106011	2.9	9
97	Measurement and Thermodynamic Modeling of Ternary Liquid-Liquid Equilibrium for Extraction of 2,6-Xylenol from Aromatic Hydrocarbon Mixtures with Different Solvents. <i>Journal of Chemical & Engineering Data</i> , 2021 , 66, 330-337	2.8	9
96	Liquid-liquid equilibrium measurement and thermodynamics modeling for the systems water + thioglycolic acid + isopropyl ether/methyl tert-butyl ether at 298.15 and 308.15 K. <i>Fluid Phase Equilibria</i> , 2018 , 476, 126-130	2.5	9
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