

Dongmei Xu

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109
papers

1,474
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23
h-index

31
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113
ext. papers

1,877
ext. citations

3.8
avg, IF

5.19
L-index

#	Paper	IF	Citations
109	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
108	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
107	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
106	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
105	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
104	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
103	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
102	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
101	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
100	Measurement and correlation of phase equilibria for ternary systems of water+(ethanol/1-propanol)+1-decyl-3-methylimidazolium bis(trifluoromethylsulfonyl) imide at 298.15K. <i>Fluid Phase Equilibria</i> , 2016 , 427, 340-344	2.5	36
99	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
98	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
97	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
96	Separation of cresol from coal tar by imidazolium-based ionic liquid [Emim][SCN]: Interaction exploration and extraction experiment. <i>Fuel</i> , 2020 , 264, 116908	7.1	29
95	Cooperative effect from cation and anion of pyridine-containing anion-based ionic liquids for catalysing CO ₂ transformation at ambient conditions. <i>Science China Chemistry</i> , 2017 , 60, 958-963	7.9	26
94	Separation of Dimethyl Carbonate and Methanol by Deep Eutectic Solvents: Liquid-Liquid Equilibrium Measurements and Thermodynamic Modeling. <i>Journal of Chemical & Engineering Data</i> , 2018 , 63, 1234-1239	2.8	26
93	Measurement and Modeling of Liquid-Liquid Equilibrium for the Systems Vinyl Acetate + Acetic Acid/Ethanol + Water at 298.15 and 308.15 K. <i>Journal of Chemical & Engineering Data</i> , 2017 , 62, 1240-1246 ²⁵	2.8	25

92	Measurement and thermodynamic modelling of ternary liquid-liquid equilibrium for extraction of thioglycolic acid from aqueous solution with different solvents. <i>Journal of Chemical Thermodynamics</i> , 2017 , 113, 229-235	2.9	24
91	Direct reductive coupling of nitroarenes and alcohols catalysed by Co ^{II} /CNT@AC. <i>Green Chemistry</i> , 2019 , 21, 2129-2137	10	24
90	Multiscale Exploration and Experimental Insights into Separating Neutral Heterocyclic Nitrogen Compounds Using [emim][NO ₃] as an Extractant. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 5662-5673	8.3	24
89	Efficient extraction of phenol from low-temperature coal tar model oil via imidazolium-based ionic liquid and mechanism analysis. <i>Journal of Molecular Liquids</i> , 2020 , 306, 112911	6	24
88	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. <i>Fluid Phase Equilibria</i> , 2014 , 381, 60-66	2.5	24
87	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
86	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
85	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 ⁸		22
84	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
83	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
82	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 ²²		21
81	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
80	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
79	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
78	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
77	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
76	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
75	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

74	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
73	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
72	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
71	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
70	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
69	Synthesis cooling water system with air coolers. <i>Chemical Engineering Research and Design</i> , 2018 , 131, 643-655	5.5	15
68	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
67	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
66	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
65	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
64	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
63	Energy-Saving Exploration of Mixed Solvent Extractive Distillation Combined with Thermal Coupling or Heat Pump Technology for the Separation of an Azeotrope Containing Low-Carbon Alcohol. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 13204-13219	3.9	12
62	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
61	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
60	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
59	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
58	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
57	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

56	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
55	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
54	Entrainers selection and vapour-liquid equilibrium measurements for separating azeotropic mixtures (ethanol/n-hexane/cyclohexane) by extractive distillation. <i>Journal of Chemical Thermodynamics</i> , 2020 , 144, 106070	2.9	8
53	Nacre-Templated Synthesis of Highly Dispersible Carbon Nanomeshes for Layered Membranes with High-Flux Filtration and Sensing Properties. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 2850-2858	9.5	8
52	Determination of a suitable index for a solvent via two-column extractive distillation using a heuristic method. <i>Frontiers of Chemical Science and Engineering</i> , 2020 , 14, 824-833	4.5	8
51	Separation of azeotropic mixture isopropyl alcohol-ethyl acetate by extractive distillation: Vapor-liquid equilibrium measurements and interaction exploration. <i>Fluid Phase Equilibria</i> , 2020 , 507, 112428	2.5	8
50	Dynamic Control of Hybrid Processes with Liquid-Liquid Extraction for Propylene Glycol Methyl Ether Dehydration. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 13811-13820	3.9	8
49	Measurement and Correlation of Isobaric Vapor-Liquid Equilibrium for Binary Systems of Allyl Alcohol with Isobutyl Acetate, Butyl Acetate, and Butyl Propionate at 101.3 kPa. <i>Journal of Chemical & Engineering Data</i> , 2018 , 63, 845-852	2.8	7
48	One-pot template-free preparation of mesoporous MgO-ZrO ₂ catalyst for the synthesis of dipropyl carbonate. <i>Applied Catalysis A: General</i> , 2018 , 555, 130-137	5.1	7
47	Liquid-Liquid Equilibrium for Ternary Mixture Water + (n-Propanol/Isopropanol) + Cyclohexanone at 298.15 and 308.15 K. <i>Journal of Chemical & Engineering Data</i> , 2020 , 65, 233-238	2.8	7
46	Separation of isopropanol from its aqueous solution with deep eutectic solvents: liquid-liquid equilibrium measurement and thermodynamic modeling. <i>Brazilian Journal of Chemical Engineering</i> , 2020 , 37, 569-576	1.7	7
45	Vapour-liquid equilibrium measurements and extractive distillation process design for separation of azeotropic mixture (dimethyl carbonate + ethanol). <i>Journal of Chemical Thermodynamics</i> , 2019 , 133, 10-18	2.9	6
44	Recovering Wastewater in a Cooling Water System with Thermal Membrane Distillation. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 10491-10499	3.9	6
43	Measurement and Correlation of Vapor-Liquid Equilibrium for Binary Systems of Dimethyl Carbonate with Butyl Butyrate, o-Xylene, and Cyclohexanone at 101.3 kPa. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 5210-5217	2.8	6
42	Isobaric Vapor-Liquid Equilibrium of Binary Systems (Isopropyl Acetate/Isopropyl Alcohol + Dibutyl Ether/ Anisole) at 101.3 kPa. <i>Journal of Chemical & Engineering Data</i> , 2020 , 65, 4387-4394	2.8	6
41	Extraction performance evaluation and theoretical analysis of removal of phenol from oil mixture using a dual-functionalized ionic liquid: 1-hydroxyethyl-3-methylimidazolium propionate. <i>Journal of Chemical Technology and Biotechnology</i> , 2021 , 96, 1947-1953	3.5	6
40	Liquid-Liquid Equilibrium for Ternary Systems of N-Methylformamide + Pyrrole/Indole + Alkanes at 298.15 K: Phase Equilibrium Measurement and Correlation. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 3085-3091	2.8	5
39	Ternary liquid-liquid equilibrium of methanol + isopropyl acetate/methyl methacrylate + 1-methylimidazole hydrogen sulfate at different temperatures and 1 atm. <i>Journal of Molecular Liquids</i> , 2019 , 283, 515-521	6	5

38	Vapour-liquid equilibrium measurements and correlation for separating azeotropic mixture (ethyl acetate- γ -heptane) by extractive distillation. <i>Journal of Chemical Thermodynamics</i> , 2020 , 144, 106075	2.9	5
37	Ternary Liquid-Liquid Equilibrium of Toluene + Dimethyl Carbonate + ILs at 298.15 K and Atmospheric Pressure. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 3598-3605	2.8	5
36	Solubility Determination and Thermodynamic Modeling of Sodium Thioglycolate in Pure and Binary Solvent Mixtures from T = (293.15 to 333.15) K. <i>Journal of Chemical & Engineering Data</i> , 2017 , 62, 3105-3123	2.8	5
35	Thermal coupled extractive distillation sequences with three entrainers for the separation of azeotrope isopropyl alcohol + diisopropyl ether. <i>Journal of Chemical Technology and Biotechnology</i> , 2020 , 95, 1590-1603	3.5	5
34	Energy efficient and environmentally friendly pervaporation-distillation hybrid process for ternary azeotrope purification. <i>Computers and Chemical Engineering</i> , 2021 , 147, 107236	4	5
33	Extraction and multi-scale mechanism explorations for separating indole from coal tar via tetramethylguanidine-based ionic liquids. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105255	6.8	5
32	Optimization of decanter temperature in separating partially miscible homoazeotrope to reduce cost and energy consumption. <i>Journal of Chemical Technology and Biotechnology</i> , 2019 , 94, 1998-2008	3.5	5
31	Vapor-Liquid Equilibrium for Binary of 1-Butanol + N,N-Dimethylacetamide and Methyl Isobutyl Ketone + N,N-Dimethylacetamide at 101.3 kPa. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 4142-4147	2.8	4
30	Isobaric Vapor-Liquid Phase Equilibrium Measurements for Allyl Alcohol with Chloroform, Ethyl Acetate, and Methyl Propionate at 101.3 kPa. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 682-687	2.8	4
29	Isobaric Vapor-Liquid Equilibrium Measurements for Separation of Azeotrope (Methanol + Methyl Acetate). <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 296-302	2.8	4
28	Isobaric Vapor-Liquid Phase Equilibrium Measurements, Correlation, and Prediction for Separation of the Mixtures of Cyclohexanone and Alcohols. <i>Journal of Chemical & Engineering Data</i> , 2018 , 63, 2038-2045	2.8	4
27	Entrainers selection and vapour-liquid equilibrium measurements for isopropyl acetate with propyl propionate, butyl propionate, and butyl butyrate at 101.3kPa. <i>Journal of Chemical Thermodynamics</i> , 2020 , 146, 106107	2.9	3
26	Investigating the stability of gold nanorods modified with thiol molecules for biosensing. <i>RSC Advances</i> , 2016 , 6, 174-178	3.7	3
25	Explorations of Liquid-Liquid Phase Equilibrium for the Mixture (Isopropanol + Water) with Pyridinium-Based Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2021 , 66, 2192-2199	2.8	3
24	Comprehensive evaluation of the role of phenolate based ionic liquid on extracting pyrrole from diverse sources: A combined molecular dynamics simulation study and experiment validation. <i>Journal of Molecular Liquids</i> , 2021 , 334, 116525	6	3
23	ZIF-8-porous ionic liquids for the extraction of 2,2,3,3-tetrafluoro-1-propanol and water mixture. <i>New Journal of Chemistry</i> , 2021 , 45, 8557-8562	3.6	3
22	Multiscale evaluation of the efficiently separation of phenols using a designed cationic functionalized ionic liquid based on Brønsted/Lewis coordination. <i>Journal of Molecular Liquids</i> , 2022 , 345, 117901	6	2
21	Molecular mechanism and extraction explorations for separation of pyridine from coal pyrolysis model mixture using protic ionic liquid [Hnmp][HSO ₄]. <i>Fuel</i> , 2022 , 309, 122130	7.1	2

20	Vapor-Liquid Equilibrium Study of Binary Mixtures of Chloroform, 2-Ethylhexanoic Acid, and Propylene Glycol Methyl Ether at Atmospheric Pressure. <i>Journal of Chemical & Engineering Data</i> , 2020 , 65, 2271-2279	2.8	2
19	Liquid-Liquid Equilibrium for Ternary Systems (Ethyl Acetate/Isopropyl Acetate + 2,2-Difluoroethanol + Water) at 298.15 and 308.15 K. <i>Journal of Chemical & Engineering Data</i> , 2021 , 66, 1399-1405	2.8	2
18	Intermolecular Interaction and Extraction Explorations for Separation of High-Boiling Neutral Nitrogen Compounds Using Biodegradable Ionic Liquids. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 15839-15848	8.3	1
17	Extraction and interaction insights for enhanced separation of phenolic compounds from model coal tar using a hydroxyl-functionalized ionic liquid. <i>Chemical Engineering Research and Design</i> , 2022 , 178, 567-574	5.5	1
16	Efficient extraction and theoretical insights for separating o-, m-, and p-cresol from model coal tar by an ionic liquid [Emim][DCA]. <i>Canadian Journal of Chemical Engineering</i> ,	2.3	1
15	Liquid-Liquid-Phase Equilibrium for Quaternary Systems (n-Decane + 1-Tetradecene + 1-Methylnaphthalene + Sulfolane/Dimethyl Sulfoxide) for Separation of 1-Methylnaphthalene from FCC Diesel. <i>Journal of Chemical & Engineering Data</i> , 2021 , 66, 2803-2811	2.8	1
14	Extraction of allyl alcohol from its aqueous solution using two different ionic liquids: Intermolecular interaction and liquid-liquid phase equilibrium explorations. <i>Journal of Molecular Liquids</i> , 2021 , 336, 116875	6	1
13	Construction of SAPO-34/SiO ₂ composite: effective catalyst for methanol to olefins reaction. <i>New Journal of Chemistry</i> , 2021 , 45, 15497-15502	3.6	1
12	Solvent-Free Synthesis of Surfactants of High-Carbon Alkyl Phosphates Used for Cosmetics. <i>Journal of Surfactants and Detergents</i> , 2018 , 21, 789-795	1.9	1
11	Separation of indole by designed ionic liquids with dual functional chemical sites: Mechanism exploration and experimental validation. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105971	6.8	1
10	Separation of the Azeotropic Mixture Methanol and Toluene Using Extractive Distillation: Entrainer Determination, Vapor-Liquid Equilibrium Measurement, and Modeling.. <i>ACS Omega</i> , 2021 , 6, 34736-34743	3.9	1
9	Liquid-liquid equilibria for separation of benzothiophene from model fuel oil: Solvent screening and thermodynamic modeling. <i>Journal of Chemical Thermodynamics</i> , 2021 , 167, 106693	2.9	0
8	Liquid-liquid phase behavior for water+2,2-difluoroethanol with three imidazole-based ionic liquids. <i>Journal of Molecular Liquids</i> , 2022 , 345, 117836	6	0
7	Isobaric vapour-liquid equilibrium for binary and ternary systems of isopropyl acetate, isopropyl alcohol, acetic acid and water at 101.3 kPa. <i>Journal of Chemical Thermodynamics</i> , 2022 , 165, 106662	2.9	0
6	Process design, evaluation and control for separation of 2,2,3,3-tetrafluoro-1-propanol and water by extractive distillation using ionic liquid 1-ethyl-3-methylimidazolium acetate. <i>Journal of Chemical Technology and Biotechnology</i> , 2021 , 96, 3175	3.5	0
5	Performance of functionalized ionic liquid with double chemical sites for separating phenolic compounds: mechanism and liquid-liquid behavior studies. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 106790	6.8	0
4	Liquid-Liquid Extraction and Mechanism Exploration for Separation of Mixture 2,2,3,3-Tetrafluoro-1-propanol and Water Using Pyridine-based Ionic Liquids. <i>Journal of Molecular Liquids</i> , 2022 , 119468	6	0
3	MEASUREMENTS AND THERMODYNAMIC MODELING OF VAPOR-LIQUID EQUILIBRIA FOR BINARY SYSTEMS OF ISOPROPYL CHLOROACETATE WITH CYCLOHEXANE, ISOPROPANOL AND BENZENE AT 101.3 kPa. <i>Brazilian Journal of Chemical Engineering</i> , 2019 , 36, 1717-1725	1.7	

- 2 Facile Synthesis of ZnSAPO-34 Zeolite via a ZnO Route. *Catalysis Letters*, **2021**, 151, 2223 2.8
- 1 One-Step Synthesis of High-Silica ZSM-5 Zeolite with Less Internal Silicon Hydroxyl Groups: Highly Stable Catalyst for Methanol to Propene Reaction. *Catalysis Letters*, 1 2.8