Joao A P Coutinho

List of Publications by Year
in descending order

367 papers	25,277 citations	5268 83 h-index	10158 140 g-index
372 all docs	372 docs citations	372 times ranked	12992 citing authors

#	ARTICLE	IF	CITATIONS
1	Development of quantitative structure-property relationship to predict the viscosity of deep eutectic solvent for CO2 capture using molecular descriptor. Journal of Molecular Liquids, 2022, 347, 118239.	4.9	20
2	Separation of Albumin from Bovine Serum Applying Ionic-Liquid-Based Aqueous Biphasic Systems. Applied Sciences (Switzerland), 2022, 12, 707.	2.5	5
3	Comparison of two computational methods for solvent screening in countercurrent and centrifugal partition chromatography. Journal of Chromatography A, 2022, 1666, 462859.	3.7	6
4	Ionic liquids or eutectic solvents? Identifying the best solvents for the extraction of astaxanthin and Î²-carotene from<i>Phaffia rhodozyma</i>yeast and preparation of biodegradable films. Green Chemistry, 2022, 24, 118-123.	9.0	30
5	Aqueous Biphasic Systems Comprising Natural Organic Acid-Derived Ionic Liquids. Separations, 2022, 9, 46.	2.4	2
6	The impact of size and shape in the performance of hydrotropes: a case-study of alkanediols. Physical Chemistry Chemical Physics, 2022, 24, 7624-7634.	2.8	5
7	Ionogels for Biomedical Applications. Materials Horizons, 2022, , 391-425.	0.6	2
8	Bioâ€Based Solar Energy Harvesting for Onsite Mobile Optical Temperature Sensing in Smart Cities. Advanced Science, 2022, 9, e2104801.	11.2	14
9	Encapsulated Protic Ionic Liquids as Sustainable Materials for CO₂ Separation. Industrial & Engineering Chemistry Research, 2022, 61, 4046-4057.	3.7	4
10	Selective Separation of Vanillic Acid from Other Lignin-Derived Monomers Using Centrifugal Partition Chromatography: The Effect of pH. ACS Sustainable Chemistry and Engineering, 2022, 10, 4913-4921.	6.7	11
11	Carotenoid Production from Microalgae: The Portuguese Scenario. Molecules, 2022, 27, 2540.	3.8	12
12	Electrolyte Effects on the Amino Acid Solubility in Water: Solubilities of Glycine, <scp>l</scp>-Leucine, <scp>l</scp>-Phenylalanine, and <scp>l</scp>-Aspartic Acid in Salt Solutions of (Na⁺, K⁺, NH₄⁺)/(Cl^{â€“},) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 292 Td	3.7	9
13	Liquefying Flavonoids with Terpenoids through Deep Eutectic Solvent Formation. Molecules, 2022, 27, 2649.	3.8	9
14	Solubilities of Amino Acids in Aqueous Solutions of Chloride or Nitrate Salts of Divalent (Mg²⁺ or Ca²⁺) Cations. Journal of Chemical & Engineering Data, 2022, 67, 1565-1572.	1.9	3
15	Extensive characterization of choline chloride and its solidâ€“liquid equilibrium with water. Physical Chemistry Chemical Physics, 2022, 24, 14886-14897.	2.8	12
16	Integrated Approach to Extract and Purify Proteins from Honey by Ionic Liquid-Based Three-Phase Partitioning. ACS Sustainable Chemistry and Engineering, 2022, 10, 9275-9281.	6.7	6
17	Uncovering the Use of Fucoxanthin and Phycobiliproteins into Solid Matrices to Increase Their Emission Quantum Yield and Photostability. Applied Sciences (Switzerland), 2022, 12, 5839.	2.5	3
18	Comment on â€œStructural Study of a Eutectic Solvent Reveals Hydrophobic Segregation and Lack of Hydrogen Bonding between the Componentsâ€ ACS Sustainable Chemistry and Engineering, 2022, 10, 8669-8670.	6.7	5

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19	Prediction of pH Value of Aqueous Acidic and Basic Deep Eutectic Solvent Using COSMO-RS Ïƒ Profilesâ€™ Molecular Descriptors. Molecules, 2022, 27, 4489.	3.8	14
20	Using COSMO-RS to Predict Hansen Solubility Parameters. Industrial & Engineering Chemistry Research, 2022, 61, 15631-15638.	3.7	6
21	Towards the purification of IgY from egg yolk by centrifugal partition chromatography. Separation and Purification Technology, 2022, 299, 121697.	7.9	7
22	The role of ionic vs. non-ionic excipients in APIs-based eutectic systems. European Journal of Pharmaceutical Sciences, 2021, 156, 105583.	4.0	10
23	Nucleophilic degradation of diazinon in thermoreversible polymerâ€“polymer aqueous biphasic systems. Physical Chemistry Chemical Physics, 2021, 23, 4133-4140.	2.8	0
24	The impact of the counterion in the performance of ionic hydrotropes. Chemical Communications, 2021, 57, 2951-2954.	4.1	12
25	Recovery of Chlorophyll <i>a</i> Derivative from <i>Spirulina maxima</i>: Its Purification and Photosensitizing Potential. ACS Sustainable Chemistry and Engineering, 2021, 9, 1772-1780.	6.7	20
26	Zwitterionic compounds are less ecotoxic than their analogous ionic liquids. Green Chemistry, 2021, 23, 3683-3692.	9.0	16
27	Selective Sequential Recovery of Zinc and Copper from Acid Mine Drainage. ACS Sustainable Chemistry and Engineering, 2021, 9, 3647-3657.	6.7	16
28	Sustainable Strategy Based on Induced Precipitation for the Purification of Phycobiliproteins. ACS Sustainable Chemistry and Engineering, 2021, 9, 3942-3954.	6.7	16
29	Multiproduct Microalgae Biorefineries Mediated by Ionic Liquids. Trends in Biotechnology, 2021, 39, 1131-1143.	9.3	19
30	Sustainable liquid supports for laccase immobilization and reuse: Degradation of dyes in aqueous biphasic systems. Biotechnology and Bioengineering, 2021, 118, 2514-2523.	3.3	10
31	Infinite Dilution Activity Coefficients in the Smectic and Isotropic Phases of Tetrafluoroborate-Based Ionic Liquids. Journal of Chemical & Engineering Data, 2021, 66, 2587-2596.	1.9	5
32	A HNO₃â€Responsive Aqueous Biphasic System for Metal Separation: Application towards Ce^{IV} Recovery. ChemSusChem, 2021, 14, 3018-3026.	6.8	8
33	Cholinium-based ionic liquids as bioinspired hydrotropes to tackle solubility challenges in drug formulation. European Journal of Pharmaceutics and Biopharmaceutics, 2021, 164, 86-92.	4.3	28
34	Integrated Biocatalytic Platform Based on Aqueous Biphasic Systems for the Sustainable Oligomerization of Rutin. ACS Sustainable Chemistry and Engineering, 2021, 9, 9941-9950.	6.7	11
35	Valorization of Spent Coffee by Caffeine Extraction Using Aqueous Solutions of Cholinium-Based Ionic Liquids. Sustainability, 2021, 13, 7509.	3.2	9
36	Differences on the impact of water on the deep eutectic solvents betaine/urea and choline/urea. Journal of Chemical Physics, 2021, 155, 034501.	3.0	19

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37	Integrated Production and Separation of Furfural Using an Acidic-Based Aqueous Biphasic System. ACS Sustainable Chemistry and Engineering, 2021, 9, 12205-12212.	6.7	3
38	Uncovering the potential of aqueous solutions of deep eutectic solvents on the extraction and purification of collagen type I from Atlantic codfish (<i>Gadus morhua</i>). Green Chemistry, 2021, 23, 8940-8948.	9.0	20
39	Opposite Effects Induced by Cholinium-Based Ionic Liquid Electrolytes in the Formation of Aqueous Biphasic Systems Comprising Polyethylene Glycol and Sodium Polyacrylate. Molecules, 2021, 26, 6612.	3.8	1
40	Enhanced Dissolution of Chitin Using Acidic Deep Eutectic Solvents: A Sustainable and Simple Approach to Extract Chitin from Crayfish shell Wastes as Alternative Feedstocks. ACS Sustainable Chemistry and Engineering, 2021, 9, 16073-16081.	6.7	23
41	Synthesis of Purine-Based Ionic Liquids and Their Applications. Molecules, 2021, 26, 6958.	3.8	4
42	Chlorophylls Extraction from Spinach Leaves Using Aqueous Solutions of Surface-Active Ionic Liquids. Sustainable Chemistry, 2021, 2, 764-777.	4.7	6
43	Enhanced Conversion of Xylan into Furfural using Acidic Deep Eutectic Solvents with Dual Solvent and Catalyst Behavior. ChemSusChem, 2020, 13, 784-790.	6.8	63
44	The Perspective of Cooperative Hydrotropy on the Solubility in Aqueous Solutions of Cyrene. Industrial & Engineering Chemistry Research, 2020, 59, 18649-18658.	3.7	14
45	Using COSMO-RS in the Design of Deep Eutectic Solvents for the Extraction of Antioxidants from Rosemary. ACS Sustainable Chemistry and Engineering, 2020, 8, 12132-12141.	6.7	65
46	Selective Separation of Manganese, Cobalt, and Nickel in a Fully Aqueous System. ACS Sustainable Chemistry and Engineering, 2020, 8, 12260-12269.	6.7	18
47	Understanding the Formation of Deep Eutectic Solvents: Betaine as a Universal Hydrogen Bond Acceptor. ChemSusChem, 2020, 13, 4916-4921.	6.8	68
48	Encapsulated Aminoâ€Acidâ€Based Ionic Liquids for CO₂ Capture. European Journal of Inorganic Chemistry, 2020, 2020, 3158-3166.	2.0	19
49	Integrated Leaching and Separation of Metals Using Mixtures of Organic Acids and Ionic Liquids. Molecules, 2020, 25, 5570.	3.8	8
50	Using coarse-grained molecular dynamics to rationalize biomolecule solubilization mechanisms in ionic liquid-based colloidal systems. Physical Chemistry Chemical Physics, 2020, 22, 24771-24783.	2.8	9
51	Eutectic Mixtures Based on Polyalcohols as Sustainable Solvents: Screening and Characterization. ACS Sustainable Chemistry and Engineering, 2020, 8, 15317-15326.	6.7	29
52	Towards the differential diagnosis of prostate cancer by the pre-treatment of human urine using ionic liquids. Scientific Reports, 2020, 10, 14931.	3.3	11
53	Investigation of Kraft Lignin Solubility in Protic Ionic Liquids and Their Aqueous Solutions. Industrial & Engineering Chemistry Research, 2020, 59, 18193-18202.	3.7	15
54	Use of Ionic Liquids and Deep Eutectic Solvents in Polysaccharides Dissolution and Extraction Processes towards Sustainable Biomass Valorization. Molecules, 2020, 25, 3652.	3.8	99

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55	Kraft Lignin Solubility and Its Chemical Modification in Deep Eutectic Solvents. ACS Sustainable Chemistry and Engineering, 2020, 8, 18577-18589.	6.7	48
56	Integrative platform for the selective recovery of intracellular carotenoids and lipids from <i>Rhodotorula glutinis</i> CCT-2186 yeast using mixtures of bio-based solvents. Green Chemistry, 2020, 22, 8478-8494.	9.0	31
57	Unveiling the mechanism of hydrotropy: evidence for water-mediated aggregation of hydrotropes around the solute. Chemical Communications, 2020, 56, 7143-7146.	4.1	40
58	Insights on the Extraction Performance of Alkanediols and Glycerol: Using Juglans regia L. Leaves as a Source of Bioactive Compounds. Molecules, 2020, 25, 2497.	3.8	13
59	Glycerol Ethers as Hydrotropes and Their Use to Enhance the Solubility of Phenolic Acids in Water. ACS Sustainable Chemistry and Engineering, 2020, 8, 5742-5749.	6.7	35
60	Non-ionic hydrophobic eutectics â€“ versatile solvents for tailored metal separation and valorisation. Green Chemistry, 2020, 22, 2810-2820.	9.0	67
61	Novel insights into biomass delignification with acidic deep eutectic solvents: a mechanistic study of Î^{2}-O-4 ether bond cleavage and the role of the halide counterion in the catalytic performance. Green Chemistry, 2020, 22, 2474-2487.	9.0	82
62	Ionic Liquid-Mediated Recovery of Carotenoids from the <i>Bactris gasipaes</i> Fruit Waste and Their Application in Food-Packaging Chitosan Films. ACS Sustainable Chemistry and Engineering, 2020, 8, 4085-4095.	6.7	43
63	Fast and Efficient Method to Evaluate the Potential of Eutectic Solvents to Dissolve Lignocellulosic Components. Sustainability, 2020, 12, 3358.	3.2	12
64	Liquefying Compounds by Forming Deep Eutectic Solvents: A Case Study for Organic Acids and Alcohols. Journal of Physical Chemistry B, 2020, 124, 4174-4184.	2.6	25
65	Improved coarse-grain model to unravel the phase behavior of 1-alkyl-3-methylimidazolium-based ionic liquids through molecular dynamics simulations. Journal of Colloid and Interface Science, 2020, 574, 324-336.	9.4	28
66	Enhanced Extraction of Levodopa from <i>Mucuna pruriens</i> Seeds Using Aqueous Solutions of Eutectic Solvents. ACS Sustainable Chemistry and Engineering, 2020, 8, 6682-6689.	6.7	12
67	Potential Threats of Ionic Liquids to the Environment and Ecosphere. , 2020, , 1-17.		1
68	Insights into the Nature of Eutectic and Deep Eutectic Mixtures. Journal of Solution Chemistry, 2019, 48, 962-982.	1.2	603
69	Use of Ionic Liquids as Cosurfactants in Mixed Aqueous Micellar Two-Phase Systems to Improve the Simultaneous Separation of Immunoglobulin G and Human Serum Albumin from Expired Human Plasma. ACS Sustainable Chemistry and Engineering, 2019, 7, 15102-15113.	6.7	21
70	Phenolic hydrogen bond donors in the formation of non-ionic deep eutectic solvents: the quest for type V DES. Chemical Communications, 2019, 55, 10253-10256.	4.1	272
71	Recovery of Syringic Acid from Industrial Food Waste with Aqueous Solutions of Ionic Liquids. ACS Sustainable Chemistry and Engineering, 2019, 7, 14143-14152.	6.7	17
72	Continuous separation of cytochrome-c PEGylated conjugates by fast centrifugal partition chromatography. Green Chemistry, 2019, 21, 5501-5506.	9.0	10

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73	Surface crystallization of ionic liquid crystals. Physical Chemistry Chemical Physics, 2019, 21, 17792-17800.	2.8	6
74	What a difference a methyl group makes â€" probing cholineâ€"urea molecular interactions through urea structure modification. Physical Chemistry Chemical Physics, 2019, 21, 18278-18289.	2.8	24
75	Temperature-responsive extraction of violacein using a tuneable anionic surfactant-based system. Chemical Communications, 2019, 55, 8643-8646.	4.1	10
76	The Role of Charge Transfer in the Formation of Type I Deep Eutectic Solvent-Analogous Ionic Liquid Mixtures. Molecules, 2019, 24, 3687.	3.8	21
77	Application of Ionic Liquids in Separation and Fractionation Processes. , 2019, , 637-665.		1
78	Protic Ionic Liquids as Cell-Disrupting Agents for the Recovery of Intracellular Carotenoids from Yeast <i>Rhodotorula glutinis</i> CCT-2186. ACS Sustainable Chemistry and Engineering, 2019, 7, 16765-16776.	6.7	53
79	Ion speciation: a key for the understanding of the solution properties of ionic liquid mixtures. Physical Chemistry Chemical Physics, 2019, 21, 21626-21632.	2.8	11
80	Greener Terpeneâ€"Terpene Eutectic Mixtures as Hydrophobic Solvents. ACS Sustainable Chemistry and Engineering, 2019, 7, 17414-17423.	6.7	85
81	Sustainable strategies based on glycineâ€"betaine analogue ionic liquids for the recovery of monoclonal antibodies from cell culture supernatants. Green Chemistry, 2019, 21, 5671-5682.	9.0	31
82	Synthesis and Characterization of Surfaceâ€Active Ionic Liquids Used in the Disruption of <i>Escherichia Coli</i> Cells. ChemPhysChem, 2019, 20, 727-735.	2.1	22
83	Hydrotropy and Cosolvency in Lignin Solubilization with Deep Eutectic Solvents. ACS Sustainable Chemistry and Engineering, 2019, , .	6.7	16
84	Simultaneous Separation of Antioxidants and Carbohydrates From Food Wastes Using Aqueous Biphasic Systems Formed by Cholinium-Derived Ionic Liquids. Frontiers in Chemistry, 2019, 7, 459.	3.6	15
85	Laccase Activation in Deep Eutectic Solvents. ACS Sustainable Chemistry and Engineering, 2019, 7, 11806-11814.	6.7	95
86	A methodology to parameterize SAFT-type equations of state for solid precursors of deep eutectic solvents: the example of cholinium chloride. Physical Chemistry Chemical Physics, 2019, 21, 15046-15061.	2.8	32
87	Aquatic Toxicology of Ionic Liquids (ILs). , 2019, , 1-18.		7
88	Integrated Extraction-Preservation Strategies for RNA Using Biobased Ionic Liquids. ACS Sustainable Chemistry and Engineering, 2019, 7, 9439-9448.	6.7	20
89	Mechanisms of phase separation in temperature-responsive acidic aqueous biphasic systems. Physical Chemistry Chemical Physics, 2019, 21, 7462-7473.	2.8	23
90	R-phycoerythrin extraction and purification from fresh<i>Gracilaria</i>sp. using thermo-responsive systems. Green Chemistry, 2019, 21, 3816-3826.	9.0	26

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91	Integration of aqueous (micellar) two-phase systems on the proteins separation. BMC Chemical Engineering, 2019, 1, .	3.4	14
92	A Statistical Associating Fluid Theory Perspective of the Modeling of Compounds Containing Ethylene Oxide Groups. Industrial & Engineering Chemistry Research, 2019, 58, 3562-3582.	3.7	8
93	Understanding the adsorption of ionic liquids onto zeolite ZSM-5 from aqueous solution: experimental and computational modelling. Physical Chemistry Chemical Physics, 2019, 21, 24518-24526.	2.8	9
94	An integrated process combining the reaction and purification of PEGylated proteins. Green Chemistry, 2019, 21, 6407-6418.	9.0	5
95	Solvatochromism as a new tool to distinguish structurally similar compounds. Journal of Molecular Liquids, 2019, 274, 740-745.	4.9	8
96	Binary Mixtures of Ionic Liquids in Aqueous Solution: Towards an Understanding of Their Salting-In/Salting-Out Phenomena. Journal of Solution Chemistry, 2019, 48, 983-991.	1.2	6
97	Sustainable Liquid Luminescent Solar Concentrators. Advanced Sustainable Systems, 2019, 3, 1800134.	5.3	30
98	Understanding the effect of ionic liquids as adjuvants in the partition of biomolecules in aqueous two-phase systems formed by polymers and weak salting-out agents. Biochemical Engineering Journal, 2019, 141, 239-246.	3.6	40
99	Immobilization of Ionic Liquids, Types of Materials, and Applications. , 2019, , 1-12.		3
100	A simple approach for the determination and characterization of ternary phase diagrams of aqueous two-phase systems composed of water, polyethylene glycol and sodium carbonate. Chemical Engineering Education, 2019, 53, 112-120.	0.2	1
101	Mechanisms ruling the partition of solutes in ionic-liquid-based aqueous biphasic systems â€“ the multiple effects of ionic liquids. Physical Chemistry Chemical Physics, 2018, 20, 8411-8422.	2.8	13
102	Mechanism of ionic-liquid-based acidic aqueous biphasic system formation. Physical Chemistry Chemical Physics, 2018, 20, 9838-9846.	2.8	26
103	Measurement and Modeling of Isobaric Vaporâ€“Liquid Equilibrium of Water + Glycols. Journal of Chemical & Engineering Data, 2018, 63, 2394-2401.	1.9	13
104	Economic evaluation of the primary recovery of tetracycline with traditional and novel aqueous two-phase systems. Separation and Purification Technology, 2018, 203, 178-184.	7.9	17
105	Aqueous biphasic systems in the separation of food colorants. Biochemistry and Molecular Biology Education, 2018, 46, 390-397.	1.2	8
106	Odd-even effect on the formation of aqueous biphasic systems formed by 1-alkyl-3-methylimidazolium chloride ionic liquids and salts. Journal of Chemical Physics, 2018, 148, .	3.0	16
107	Separation of immunoglobulin G using aqueous biphasic systems composed of choliniumâ€based ionic liquids and poly(propylene glycol). Journal of Chemical Technology and Biotechnology, 2018, 93, 1931-1939.	3.2	32
108	Recovery of Nonsteroidal Anti-Inflammatory Drugs from Wastes Using Ionic-Liquid-Based Three-Phase Partitioning Systems. ACS Sustainable Chemistry and Engineering, 2018, 6, 4574-4585.	6.7	18

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109	An integrated process for enzymatic catalysis allowing product recovery and enzyme reuse by applying thermoreversible aqueous biphasic systems. Green Chemistry, 2018, 20, 1218-1223.	9.0	47
110	Deep Eutectic Solvent Aqueous Solutions as Efficient Media for the Solubilization of Hardwood Xylans. ChemSusChem, 2018, 11, 753-762.	6.8	75
111	Potential of aqueous twoâ€phase systems for the separation of levodopa from similar biomolecules. Journal of Chemical Technology and Biotechnology, 2018, 93, 1940-1947.	3.2	10
112	Hydrogen bond basicity of ionic liquids and molar entropy of hydration of salts as major descriptors in the formation of aqueous biphasic systems. Physical Chemistry Chemical Physics, 2018, 20, 14234-14241.	2.8	18
113	Simultaneous extraction and concentration of water pollution tracers using ionic-liquid-based systems. Journal of Chromatography A, 2018, 1559, 69-77.	3.7	27
114	Evaluation of the effect of ionic liquids as adjuvants in polymer-based aqueous biphasic systems using biomolecules as molecular probes. Separation and Purification Technology, 2018, 196, 244-253.	7.9	35
115	Ionicâ€Liquidâ€Based Acidic Aqueous Biphasic Systems for Simultaneous Leaching and Extraction of Metallic Ions. Angewandte Chemie - International Edition, 2018, 57, 1563-1566.	13.8	82
116	Ionicâ€Liquidâ€Based Acidic Aqueous Biphasic Systems for Simultaneous Leaching and Extraction of Metallic Ions. Angewandte Chemie, 2018, 130, 1579-1582.	2.0	13
117	Aqueous Biphasic Systems Using Chiral Ionic Liquids for the Enantioseparation of Mandelic Acid Enantiomers. Solvent Extraction and Ion Exchange, 2018, 36, 617-631.	2.0	20
118	Understanding the interactions of imidazolium-based ionic liquids with cell membrane models. Physical Chemistry Chemical Physics, 2018, 20, 29764-29777.	2.8	27
119	pH Effect on the Formation of Deep-Eutectic-Solvent-Based Aqueous Two-Phase Systems. Industrial & Engineering Chemistry Research, 2018, 57, 16917-16924.	3.7	27
120	Toluene/<i>n</i>-Heptane Separation by Extractive Distillation with Tricyanomethanide-Based Ionic Liquids: Experimental and CPA EoS Modeling. Industrial & Engineering Chemistry Research, 2018, 57, 14242-14253.	3.7	29
121	The antagonist and synergist potential of cholinium-based deep eutectic solvents. Ecotoxicology and Environmental Safety, 2018, 165, 597-602.	6.0	35
122	Unraveling the ecotoxicity of deep eutectic solvents using the mixture toxicity theory. Chemosphere, 2018, 212, 890-897.	8.2	62
123	Enhanced separation performance of aqueous biphasic systems formed by carbohydrates and tetraalkylphosphonium- or tetraalkylammonium-based ionic liquids. Green Chemistry, 2018, 20, 2978-2983.	9.0	33
124	Tunable Hydrophobic Eutectic Solvents Based on Terpenes and Monocarboxylic Acids. ACS Sustainable Chemistry and Engineering, 2018, 6, 8836-8846.	6.7	207
125	Sustainable hydrophobic terpene-based eutectic solvents for the extraction and separation of metals. Chemical Communications, 2018, 54, 8104-8107.	4.1	116
126	The Role of Polyfunctionality in the Formation of [Ch]Cl-Carboxylic Acid-Based Deep Eutectic Solvents. Industrial & Engineering Chemistry Research, 2018, 57, 11195-11209.	3.7	46

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127	Glycineâ€betaine ionic liquid analogues as novel phaseâ€forming components of aqueous biphasic systems. Biotechnology Progress, 2018, 34, 1205-1212.	2.6	16
128	Vapor Liquid Equilibria of Binary Mixtures of 1-Butyl-3-methylimidazolium Triflate (C₄mimTfO) and Molecular Solvents: <i>n</i>-Alkyl Alcohols and Water. Journal of Physical Chemistry B, 2018, 122, 6017-6032.	2.6	20
129	Pioneering Use of Ionic Liquidâ€Based Aqueous Biphasic Systems as Membraneâ€Free Batteries. Advanced Science, 2018, 5, 1800576.	11.2	34
130	Aqueous Biphasic Systems Composed of Cholinium Chloride and Polymers as Effective Platforms for the Purification of Recombinant Green Fluorescent Protein. ACS Sustainable Chemistry and Engineering, 2018, 6, 9383-9393.	6.7	33
131	Understanding the fundamentals of acid-induced ionic liquid-based aqueous biphasic system. Physical Chemistry Chemical Physics, 2018, 20, 16477-16484.	2.8	12
132	Design and Characterization of Sugar-Based Deep Eutectic Solvents Using Conductor-like Screening Model for Real Solvents. ACS Sustainable Chemistry and Engineering, 2018, 6, 10724-10734.	6.7	98
133	Application of Ionic Liquids in Separation and Fractionation Processes. , 2018, , 1-29.		2
134	Exploring alternative solvents for gas processing using the soft-SAFT EoS. , 2018, , .		0
135	Effective separation of aromatic and aliphatic amino acid mixtures using ionic-liquid-based aqueous biphasic systems. Green Chemistry, 2017, 19, 1850-1854.	9.0	43
136	Ionic-Liquid-Mediated Extraction and Separation Processes for Bioactive Compounds: Past, Present, and Future Trends. Chemical Reviews, 2017, 117, 6984-7052.	47.7	689
137	Nature of the C2-methylation effect on the properties of imidazolium ionic liquids. Physical Chemistry Chemical Physics, 2017, 19, 5326-5332.	2.8	22
138	Good's buffer ionic liquids as relevant phaseâ€forming components of selfâ€buffered aqueous biphasic systems. Journal of Chemical Technology and Biotechnology, 2017, 92, 2287-2299.	3.2	15
139	Alternative probe for the determination of the hydrogen-bond acidity of ionic liquids and their aqueous solutions. Physical Chemistry Chemical Physics, 2017, 19, 11011-11016.	2.8	27
140	Enhanced extraction and biological activity of 7-hydroxymatairesinol obtained from Norway spruce knots using aqueous solutions of ionic liquids. Green Chemistry, 2017, 19, 2626-2635.	9.0	30
141	Temperature dependency of aqueous biphasic systems: an alternative approach for exploring the differences between Coulombic-dominated salts and ionic liquids. Chemical Communications, 2017, 53, 7298-7301.	4.1	28
142	Switchable (pH-driven) aqueous biphasic systems formed by ionic liquids as integrated productionâ€“separation platforms. Green Chemistry, 2017, 19, 2768-2773.	9.0	31
143	Solvatochromic parameters of deep eutectic solvents formed by ammonium-based salts and carboxylic acids. Fluid Phase Equilibria, 2017, 448, 15-21.	2.5	105
144	New Experimental Data and Modeling of Glymes: Toward the Development of a Predictive Model for Polyethers. Industrial & Engineering Chemistry Research, 2017, 56, 7830-7844.	3.7	18

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145	Ecotoxicological evaluation of magnetic ionic liquids. Ecotoxicology and Environmental Safety, 2017, 143, 315-321.	6.0	39
146	Toward an Understanding of the Mechanisms behind the Formation of Liquidâ€"liquid Systems formed by Two Ionic Liquids. Journal of Physical Chemistry Letters, 2017, 8, 3015-3019.	4.6	17
147	Enhanced Solubility of Lignin Monomeric Model Compounds and Technical Lignins in Aqueous Solutions of Deep Eutectic Solvents. ACS Sustainable Chemistry and Engineering, 2017, 5, 4056-4065.	6.7	121
148	Characterization and Modeling of the Liquid Phase of Deep Eutectic Solvents Based on Fatty Acids/Alcohols and Choline Chloride. Industrial & Engineering Chemistry Research, 2017, 56, 12192-12202.	3.7	57
149	A Triple Saltingâ€Out Effect is Required for the Formation of Ionicâ€Liquidâ€Based Aqueous Multiphase Systems. Angewandte Chemie - International Edition, 2017, 56, 15058-15062.	13.8	14
150	Multistep purification of cytochrome c PEGylated forms using polymer-based aqueous biphasic systems. Green Chemistry, 2017, 19, 5800-5808.	9.0	18
151	Is It Possible To Create Ternary-like Aqueous Biphasic Systems with Deep Eutectic Solvents?. ACS Sustainable Chemistry and Engineering, 2017, 5, 9402-9411.	6.7	58
152	Designing the thermal behaviour of aqueous biphasic systems composed of ammonium-based zwitterions. Green Chemistry, 2017, 19, 4012-4016.	9.0	23
153	Selecting Critical Properties of Terpenes and Terpenoids through Group-Contribution Methods and Equations of State. Industrial & Engineering Chemistry Research, 2017, 56, 9895-9905.	3.7	9
154	Using Ionic Liquids To Tune the Performance of Aqueous Biphasic Systems Based on Pluronic L-35 for the Purification of Naringin and Rutin. ACS Sustainable Chemistry and Engineering, 2017, 5, 6409-6419.	6.7	27
155	A simple method for preparation of a novel hydrophobic ionic liquid with a per-fluoro-tert-butoxide anion. New Journal of Chemistry, 2017, 41, 47-50.	2.8	6
156	A Triple Saltingâ€Out Effect is Required for the Formation of Ionicâ€Liquidâ€Based Aqueous Multiphase Systems. Angewandte Chemie, 2017, 129, 15254-15258.	2.0	2
157	Ionic liquids in chromatographic and electrophoretic techniques: toward additional improvements in the separation of natural compounds. Green Chemistry, 2016, 18, 4582-4604.	9.0	52
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