SÃ³nia P M Ventura

List of Publications by Year
in descending order

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159 papers	7,132 citations	50170 46 h-index	69108 77 g-index
159 all docs	159 docs citations	159 times ranked	5177 citing authors

#	Article	IF	Citations
1	Ionic-Liquid-Mediated Extraction and Separation Processes for Bioactive Compounds: Past, Present, and Future Trends. Chemical Reviews, 2017, 117, 6984-7052.	23.0	689
2	Evaluation of Anion Influence on the Formation and Extraction Capacity of Ionic-Liquid-Based Aqueous Biphasic Systems. Journal of Physical Chemistry B, 2009, 113, 9304-9310.	1.2	295
3	Toxicity assessment of various ionic liquid families towards Vibrio fischeri marine bacteria. Ecotoxicology and Environmental Safety, 2012, 76, 162-168.	2.9	254
4	Evaluation of Cation Influence on the Formation and Extraction Capability of Ionic-Liquid-Based Aqueous Biphasic Systems. Journal of Physical Chemistry B, 2009, 113, 5194-5199.	1.2	237
5	Designing ionic liquids: the chemical structure role in the toxicity. Ecotoxicology, 2013, 22, 1-12.	1.1	230
6	Ecotoxicity analysis of cholinium-based ionic liquids to Vibrio fischeri marine bacteria. Ecotoxicology and Environmental Safety, 2014, 102, 48-54.	2.9	185
7	Evaluation of COSMO-RS for the prediction of LLE and VLE of water and ionic liquids binary systems. Fluid Phase Equilibria, 2008, 268, 74-84.	1.4	144
8	Understanding the impact of the central atom on the ionic liquid behavior: Phosphonium vs ammonium cations. Journal of Chemical Physics, 2014, 140, 064505.	1.2	127
9	Assessing the toxicity on [C3mim][Tf2N] to aquatic organisms of different trophic levels. Aquatic Toxicology, 2010, 96, 290-297.	1.9	122
10	Ecotoxicity of Cholinium-Based Deep Eutectic Solvents. ACS Sustainable Chemistry and Engineering, 2015, 3, 3398-3404.	3.2	119
11	Environmental safety of cholinium-based ionic liquids: assessing structureâ€“ecotoxicity relationships. Green Chemistry, 2015, 17, 4657-4668.	4.6	115
12	Production and purification of an extracellular lipolytic enzyme using ionic liquid-based aqueous two-phase systems. Green Chemistry, 2012, 14, 734.	4.6	100
13	Ionic Liquid Based Aqueous Biphasic Systems with Controlled pH: The Ionic Liquid Cation Effect. Journal of Chemical & Engineering Data, 2011, 56, 4253-4260.	1.0	96
14	Novel Biocompatible and Selfâ€buffering Ionic Liquids for Biopharmaceutical Applications. Chemistry - A European Journal, 2015, 21, 4781-4788.	1.7	96
15	(Eco)toxicity and biodegradability of protic ionic liquids. Chemosphere, 2016, 147, 460-466.	4.2	96
16	Good's buffers as a basis for developing self-buffering and biocompatible ionic liquids for biological research. Green Chemistry, 2014, 16, 3149-3159.	4.6	94
17	Cytotoxicity profiling of deep eutectic solvents to human skin cells. Scientific Reports, 2019, 9, 3932.	1.6	93
18	Design of ionic liquids for lipase purification. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2011, 879, 2679-2687.	1.2	91

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19	Simple screening method to identify toxic/non-toxic ionic liquids: Agar diffusion test adaptation. Ecotoxicology and Environmental Safety, 2012, 83, 55-62.	2.9	89
20	Sustainable design for environment-friendly mono and dicationic cholinium-based ionic liquids. Ecotoxicology and Environmental Safety, 2014, 108, 302-310.	2.9	83
21	Aqueous biphasic systems composed of ionic liquids and polymers: A platform for the purification of biomolecules. Separation and Purification Technology, 2013, 113, 83-89.	3.9	82
22	Evaluating the hazardous impact of ionic liquids â€“ Challenges and opportunities. Journal of Hazardous Materials, 2021, 412, 125215.	6.5	82
23	High pressure solubility data of carbon dioxide in (tri-iso-butyl(methyl)phosphonium tosylate+water) systems. Journal of Chemical Thermodynamics, 2008, 40, 1187-1192.	1.0	78
24	Solubility of non-aromatic ionic liquids in water and correlation using a QSPR approach. Fluid Phase Equilibria, 2010, 294, 234-240.	1.4	78
25	Lipase purification using ionic liquids as adjuvants in aqueous two-phase systems. Green Chemistry, 2015, 17, 3026-3034.	4.6	78
26	Imidazolium and Pyridinium Ionic Liquids from Mandelic Acid Derivatives: Synthesis and Bacteria and Algae Toxicity Evaluation. ACS Sustainable Chemistry and Engineering, 2013, 1, 393-402.	3.2	77
27	Recovery of phycobiliproteins from the red macroalga Gracilaria sp. using ionic liquid aqueous solutions. Green Chemistry, 2016, 18, 4287-4296.	4.6	71
28	Enhanced dissolution of ibuprofen using ionic liquids as catanionic hydrotropes. Physical Chemistry Chemical Physics, 2018, 20, 2094-2103.	1.3	68
29	Effect of ionic liquids as adjuvants on PEG-based ABS formation and the extraction of two probe dyes. Fluid Phase Equilibria, 2014, 375, 30-36.	1.4	67
30	Anti-inflammatory and antioxidant nanostructured cellulose membranes loaded with phenolic-based ionic liquids for cutaneous application. Carbohydrate Polymers, 2019, 206, 187-197.	5.1	66
31	Ionic-Liquid-Based Aqueous Biphasic Systems with Controlled pH: The Ionic Liquid Anion Effect. Journal of Chemical & Engineering Data, 2012, 57, 507-512.	1.0	64
32	Design of novel aqueous micellar two-phase systems using ionic liquids as co-surfactants for the selective extraction of (bio)molecules. Separation and Purification Technology, 2014, 135, 259-267.	3.9	64
33	The effect of the cation alkyl chain branching on mutual solubilities with water and toxicities. Physical Chemistry Chemical Physics, 2014, 16, 19952.	1.3	64
34	Ionic liquids microemulsions: the key to Candida antarctica lipase B superactivity. Green Chemistry, 2012, 14, 1620.	4.6	62
35	Unraveling the ecotoxicity of deep eutectic solvents using the mixture toxicity theory. Chemosphere, 2018, 212, 890-897.	4.2	62
36	Isolation of natural red colorants from fermented broth using ionic liquid-based aqueous two-phase systems. Journal of Industrial Microbiology and Biotechnology, 2013, 40, 507-516.	1.4	60

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37	Increased significance of food wastes: Selective recovery of added-value compounds. Food Chemistry, 2012, 135, 2453-2461.	4.2	59
38	Superactivity induced by micellar systems as the key for boosting the yield of enzymatic reactions. Journal of Molecular Catalysis B: Enzymatic, 2014, 107, 140-151.	1.8	56
39	Enhancing the Antioxidant Characteristics of Phenolic Acids by Their Conversion into Cholinium Salts. ACS Sustainable Chemistry and Engineering, 2015, 3, 2558-2565.	3.2	54
40	Degradation of imidazoliumâ€based ionic liquids in aqueous solution by Fenton oxidation. Journal of Chemical Technology and Biotechnology, 2014, 89, 1197-1202.	1.6	53
41	Phase diagrams of ionic liquids-based aqueous biphasic systems as a platform for extraction processes. Journal of Chemical Thermodynamics, 2014, 77, 206-213.	1.0	53
42	Microalgae as Contributors to Produce Biopolymers. Marine Drugs, 2021, 19, 466.	2.2	53
43	Concentration effect of hydrophilic ionic liquids on the enzymatic activity of Candida antarctica lipase B. World Journal of Microbiology and Biotechnology, 2012, 28, 2303-2310.	1.7	51
44	Ionic liquid-high performance extractive approach to recover carotenoids from Bactris gasipaes fruits. Green Chemistry, 2019, 21, 2380-2391.	4.6	48
45	Ecotoxicological risk profile of ionic liquids: octanolâ€water distribution coefficients and toxicological data. Journal of Chemical Technology and Biotechnology, 2011, 86, 957-963.	1.6	47
46	Recovery of paracetamol from pharmaceutical wastes. Separation and Purification Technology, 2014, 122, 315-322.	3.9	47
47	Separation and purification of biomacromolecules based on microfluidics. Green Chemistry, 2020, 22, 4391-4410.	4.6	47
48	Evaluating Self-buffering Ionic Liquids for Biotechnological Applications. ACS Sustainable Chemistry and Engineering, 2015, 3, 3420-3428.	3.2	46
49	Impact of Surface Active Ionic Liquids on the Cloud Points of Nonionic Surfactants and the Formation of Aqueous Micellar Two-Phase Systems. Journal of Physical Chemistry B, 2017, 121, 8742-8755.	1.2	45
50	Ionic Liquid-Mediated Recovery of Carotenoids from the Bactris gasipaes Fruit Waste and Their Application in Food-Packaging Chitosan Films. ACS Sustainable Chemistry and Engineering, 2020, 8, 4085-4095.	3.2	43
51	Ionic liquid-based three phase partitioning (ILTPP) systems: Ionic liquid recovery and recycling. Fluid Phase Equilibria, 2014, 371, 67-74.	1.4	42
52	Recovery of bromelain from pineapple stem residues using aqueous micellar two-phase systems with ionic liquids as co-surfactants. Process Biochemistry, 2016, 51, 528-534.	1.8	41
53	Ecotoxicological evaluation of magnetic ionic liquids. Ecotoxicology and Environmental Safety, 2017, 143, 315-321.	2.9	39
54	Recovery of carotenoids from brown seaweeds using aqueous solutions of surface-active ionic liquids and anionic surfactants. Separation and Purification Technology, 2018, 196, 300-308.	3.9	37

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55	Role of the chemical structure of ionic liquids in their ecotoxicity and reactivity towards Fenton oxidation. Separation and Purification Technology, 2015, 150, 252-256.	3.9	36
56	Insights on the use of alternative solvents and technologies to recover bioâ€based food pigments. Comprehensive Reviews in Food Science and Food Safety, 2021, 20, 787-818.	5.9	36
57	Ionic liquidâ€based aqueous biphasic systems as a versatile tool for the recovery of antioxidant compounds. Biotechnology Progress, 2015, 31, 70-77.	1.3	35
58	Recovery of capsaicin from Capsicum frutescens by applying aqueous two-phase systems based on acetonitrile and cholinium-based ionic liquids. Chemical Engineering Research and Design, 2016, 112, 103-112.	2.7	35
59	Recovery of an antidepressant from pharmaceutical wastes using ionic liquid-based aqueous biphasic systems. Green Chemistry, 2016, 18, 3527-3536.	4.6	35
60	The antagonist and synergist potential of cholinium-based deep eutectic solvents. Ecotoxicology and Environmental Safety, 2018, 165, 597-602.	2.9	35
61	Ionic liquids as a novel class of electrolytes in polymeric aqueous biphasic systems. Process Biochemistry, 2015, 50, 661-668.	1.8	34
62	Single-step extraction of carotenoids from brown macroalgae using non-ionic surfactants. Separation and Purification Technology, 2017, 172, 268-276.	3.9	34
63	Development of predictive QSAR models for Vibrio fischeri toxicity of ionic liquids and their true external and experimental validation tests. Toxicology Research, 2016, 5, 1388-1399.	0.9	33
64	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.	3.2	33
65	Rationalizing the Phase Behavior of Triblock Copolymers through Experiments and Molecular Simulations. Journal of Physical Chemistry C, 2019, 123, 21224-21236.	1.5	33
66	Crustacean waste biorefinery as a sustainable cost-effective business model. Chemical Engineering Journal, 2022, 442, 135937.	6.6	33
67	Evaluating the toxicity of biomass derived platform chemicals. Green Chemistry, 2016, 18, 4733-4742.	4.6	32
68	In situ purification of periplasmatic Lâ€asparaginase by aqueous two phase systems with ionic liquids (ILs) as adjuvants. Journal of Chemical Technology and Biotechnology, 2018, 93, 1871-1880.	1.6	31
69	Sustainable Liquid Luminescent Solar Concentrators. Advanced Sustainable Systems, 2019, 3, 1800134.	2.7	30
70	Fractionation of phenolic compounds from lignin depolymerisation using polymeric aqueous biphasic systems with ionic surfactants as electrolytes. Green Chemistry, 2016, 18, 5569-5579.	4.6	29
71	Separation of phenolic compounds by centrifugal partition chromatography. Green Chemistry, 2018, 20, 1906-1916.	4.6	29
72	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.	2.2	28

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73	Extraction of chlorophyll from wild and farmed Ulva spp. using aqueous solutions of ionic liquids. Separation and Purification Technology, 2021, 254, 117589.	3.9	28
74	Extraction and Fractionation of Pigments from Saccharina latissima (Linnaeus, 2006) Using an Ionic Liquid + Oil + Water System. ACS Sustainable Chemistry and Engineering, 2021, 9, 6599-6612.	3.2	28
75	Cholinium-based ionic liquids as bioinspired hydrotropes to tackle solubility challenges in drug formulation. European Journal of Pharmaceutics and Biopharmaceutics, 2021, 164, 86-92.	2.0	28
76	Recovery of ibuprofen from pharmaceutical wastes using ionic liquids. Green Chemistry, 2016, 18, 3749-3757.	4.6	27
77	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.	3.2	27
78	Understanding the interactions of imidazolium-based ionic liquids with cell membrane models. Physical Chemistry Chemical Physics, 2018, 20, 29764-29777.	1.3	27
79	Glycine-betaine-derived ionic liquids: Synthesis, characterization and ecotoxicological evaluation. Ecotoxicology and Environmental Safety, 2019, 184, 109580.	2.9	27
80	Fractionation of Isochrysis galbana Proteins, Arabinans, and Glucans Using Ionic-Liquid-Based Aqueous Biphasic Systems. ACS Sustainable Chemistry and Engineering, 2018, 6, 14042-14053.	3.2	26
81	R-phycoerythrin extraction and purification from freshGracilariasp. using thermo-responsive systems. Green Chemistry, 2019, 21, 3816-3826.	4.6	26
82	Sequential recovery of C-phycocyanin and chlorophylls from Anabaena cylindrica. Separation and Purification Technology, 2021, 255, 117538.	3.9	25
83	Synthesis and characterization of chiral ionic liquids based on quinine, l-proline and l-valine for enantiomeric recognition. Journal of Molecular Liquids, 2019, 283, 410-416.	2.3	24
84	Recovering PHA from mixed microbial biomass: Using non-ionic surfactants as a pretreatment step. Separation and Purification Technology, 2020, 253, 117521.	3.9	23
85	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.	3.2	23
86	Synthesis and Characterization of Surfaceâ€Active Ionic Liquids Used in the Disruption of Escherichia Coli Cells. ChemPhysChem, 2019, 20, 727-735.	1.0	22
87	Identification of azaphilone derivatives of Monascus colorants from Talaromyces amestolkiae and their halochromic properties. Food Chemistry, 2022, 372, 131214.	4.2	22
88	Ionic liquid recovery alternatives in ionic liquidâ€based threeâ€phase partitioning (ILTPP). AICHE Journal, 2014, 60, 3577-3586.	1.8	21
89	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.	3.2	21
90	Environmentally friendly luminescent solar concentrators based on an optically efficient and stable green fluorescent protein. Green Chemistry, 2020, 22, 4943-4951.	4.6	21

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91	Protein-olive oil-in-water nanoemulsions as encapsulation materials for curcumin acting as anticancer agent towards MDA-MB-231 cells. Scientific Reports, 2021, 11, 9099.	1.6	21
92	Lipase production and purification by self-buffering ionic liquid-based aqueous biphasic systems. Process Biochemistry, 2017, 63, 221-228.	1.8	20
93	Aqueous Biphasic Systems Using Chiral Ionic Liquids for the Enantioseparation of Mandelic Acid Enantiomers. Solvent Extraction and Ion Exchange, 2018, 36, 617-631.	0.8	20
94	Extraction and purification of violacein from Yarrowia lipolytica cells using aqueous solutions of surfactants. Journal of Chemical Technology and Biotechnology, 2020, 95, 1126-1134.	1.6	20
95	New insights on the effects of ionic liquid structural changes at the gene expression level: Molecular mechanisms of toxicity in Daphnia magna. Journal of Hazardous Materials, 2021, 409, 124517.	6.5	20
96	Recovery of Chlorophyll a Derivative from Spirulina maxima: Its Purification and Photosensitizing Potential. ACS Sustainable Chemistry and Engineering, 2021, 9, 1772-1780.	3.2	20
97	Uncovering the potential of aqueous solutions of deep eutectic solvents on the extraction and purification of collagen type I from Atlantic codfish (Gadus morhua). Green Chemistry, 2021, 23, 8940-8948.	4.6	20
98	Multiproduct Microalgae Biorefineries Mediated by Ionic Liquids. Trends in Biotechnology, 2021, 39, 1131-1143.	4.9	19
99	High-Pressure Solubility Data of Methane in Aniline and Aqueous Aniline Systems. Journal of Chemical & Engineering Data, 2007, 52, 1100-1102.	1.0	18
100	Multistep purification of cytochrome c PEGylated forms using polymer-based aqueous biphasic systems. Green Chemistry, 2017, 19, 5800-5808.	4.6	18
101	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.	3.2	18
102	Extraction of recombinant proteins from <scp>Escherichia coli</scp> by cell disruption with aqueous solutions of surfaceâ€active compounds. Journal of Chemical Technology and Biotechnology, 2018, 93, 1864-1870.	1.6	18
103	Purification of clavulanic acid produced by Streptomyces clavuligerus via submerged fermentation using polyethylene glycol/cholinium chloride aqueous two-phase systems. Fluid Phase Equilibria, 2017, 450, 42-50.	1.4	17
104	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, .	1.2	16
105	Economic analysis of the production and recovery of green fluorescent protein using ATPS-based bioprocesses. Separation and Purification Technology, 2021, 254, 117595.	3.9	16
106	Zwitterionic compounds are less ecotoxic than their analogous ionic liquids. Green Chemistry, 2021, 23, 3683-3692.	4.6	16
107	Sustainable Strategy Based on Induced Precipitation for the Purification of Phycobiliproteins. ACS Sustainable Chemistry and Engineering, 2021, 9, 3942-3954.	3.2	16
108	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.	1.6	15

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109	Recovery of pigments from Ulva rigida. Separation and Purification Technology, 2021, 255, 117723.	3.9	15
110	Synthesis and characterization of analogues of glycine-betaine ionic liquids and their use in the formation of aqueous biphasic systems. Fluid Phase Equilibria, 2019, 494, 239-245.	1.4	14
111	Integration of aqueous (micellar) two-phase systems on the proteins separation. BMC Chemical Engineering, 2019, 1, .	3.4	14
112	Protein Cohabitation: Improving the Photochemical Stability of R-Phycoerythrin in the Solid State. Journal of Physical Chemistry Letters, 2020, 11, 6249-6255.	2.1	14
113	Using aqueous solutions of ionic liquids as chlorophyll eluents in solid-phase extraction processes. Chemical Engineering Journal, 2022, 428, 131073.	6.6	14
114	Bioâ€Based Solar Energy Harvesting for Onsite Mobile Optical Temperature Sensing in Smart Cities. Advanced Science, 2022, 9, e2104801.	5.6	14
115	Densities, Viscosities, and Refractive Indexes of Goodâ€™s Buffer Ionic Liquids. Journal of Chemical & Engineering Data, 2016, 61, 2260-2268.	1.0	13
116	Heterologous expression and purification of active Lâ€asparaginase I of Saccharomyces cerevisiae in Escherichia coli host. Biotechnology Progress, 2017, 33, 416-424.	1.3	13
117	Separation of mandelic acid enantiomers using solid-liquid biphasic systems with chiral ionic liquids. Separation and Purification Technology, 2020, 252, 117468.	3.9	13
118	Unravelling the Interactions between Surface-Active Ionic Liquids and Triblock Copolymers for the Design of Thermal Responsive Systems. Journal of Physical Chemistry B, 2020, 124, 7046-7058.	1.2	12
119	Applicability of heuristic rules defining structureâ€“ecotoxicity relationships of ionic liquids: an integrative assessment using species sensitivity distributions (SSD). Green Chemistry, 2020, 22, 6176-6186.	4.6	12
120	Carotenoid Production from Microalgae: The Portuguese Scenario. Molecules, 2022, 27, 2540.	1.7	12
121	Cyanobacteria as Candidates to Support Mars Colonization: Growth and Biofertilization Potential Using Mars Regolith as a Resource. Frontiers in Microbiology, 0, 13, .	1.5	12
122	Development of a Microfluidic Platform for R-Phycoerythrin Purification Using an Aqueous Micellar Two-Phase System. ACS Sustainable Chemistry and Engineering, 2020, 8, 17097-17105.	3.2	11
123	Study of the partition of sodium diclofenac and norfloxacin in aqueous two-phase systems based on copolymers and dextran. Fluid Phase Equilibria, 2021, 530, 112868.	1.4	11
124	Enhancing Artemisinin Solubility in Aqueous Solutions: Searching for Hydrotropes based on Ionic Liquids. Fluid Phase Equilibria, 2021, 534, 112961.	1.4	11
125	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.	3.2	11
126	From waterâ€inâ€oil to oilâ€inâ€water emulsions to optimize the production of fatty acids using ionic liquids in micellar systems. Biotechnology Progress, 2015, 31, 1473-1480.	1.3	10

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127	Selective partition of caffeine from coffee bean and guaranÃ¡ seed extracts using alcoholâ€“salt aqueous two-phase systems. Separation Science and Technology, 2016, 51, 2008-2019.	1.3	10
128	Modeling of the binodal curve of ionic liquid/salt aqueous systems. Fluid Phase Equilibria, 2016, 426, 10-16.	1.4	10
129	Continuous separation of cytochrome-c PEGylated conjugates by fast centrifugal partition chromatography. Green Chemistry, 2019, 21, 5501-5506.	4.6	10
130	Temperature-responsive extraction of violacein using a tuneable anionic surfactant-based system. Chemical Communications, 2019, 55, 8643-8646.	2.2	10
131	Oddâ€“Even Effect in the Formation and Extraction Performance of Ionic-Liquid-Based Aqueous Biphasic Systems. Industrial & Engineering Chemistry Research, 2019, 58, 8323-8331.	1.8	10
132	Amino-acid-based chiral ionic liquids characterization and application in aqueous biphasic systems. Fluid Phase Equilibria, 2021, 542-543, 113091.	1.4	10
133	Recent progress on the recovery of bioactive compounds obtained from propolis as a natural resource: Processes, and applications. Separation and Purification Technology, 2022, 298, 121640.	3.9	10
134	PEGylation as an efficient tool to enhance cytochrome c thermostability: a kinetic and thermodynamic study. Journal of Materials Chemistry B, 2019, 7, 4432-4439.	2.9	9
135	Efficient Extraction of Carotenoids from Sargassum muticum Using Aqueous Solutions of Tween 20. Marine Drugs, 2019, 17, 310.	2.2	9
136	The â€œBright Sideâ€•of Cyanobacteria: Revising the Nuisance Potential and Prospecting Innovative Biotechnology-Based Solutions to Integrate Water Management Programs. ACS Sustainable Chemistry and Engineering, 2021, 9, 7182-7197.	3.2	9
137	Aqueous biphasic systems in the separation of food colorants. Biochemistry and Molecular Biology Education, 2018, 46, 390-397.	0.5	8
138	Imidazolium-based Ionic Liquids as Adjuvants to Form Polyethylene Glycol with Salt Buffer Aqueous Biphasic Systems. Journal of Chemical & Engineering Data, 2020, 65, 3794-3801.	1.0	8
139	Carotenoids obtained from an ionic liquid-mediated process display anti-inflammatory response in the adipose tissue-liver axis. Food and Function, 2021, 12, 8478-8491.	2.1	8
140	Purification of immunoglobulin Y from egg yolk using thermoresponsive aqueous micellar two-phase systems comprising ionic liquids. Separation and Purification Technology, 2022, 288, 120589.	3.9	8
141	Supplementation of carotenoids from peach palm waste (Bactris gasipaes) obtained with an ionic liquid mediated process displays kidney anti-inflammatory and antioxidant outcomes. Food Chemistry: X, 2022, 13, 100245.	1.8	8
142	Lipase Production and Purification from Fermentation Broth Using Ionic Liquids. , 2016, , 59-97.		7
143	Aquatic Toxicology of Ionic Liquids (ILs). , 2019, , 1-18.		7
144	Controlling thelâ€asparaginase extraction and purification by the appropriate selection of polymer/saltâ€based aqueous biphasic systems. Journal of Chemical Technology and Biotechnology, 2019, 95, 1016.	1.6	6

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145	Emerging seaweed extraction techniques using ionic liquids. , 2020, , 287-311.		6
146	An integrated process combining the reaction and purification of PEGylated proteins. Green Chemistry, 2019, 21, 6407-6418.	4.6	5
147	Purification of green fluorescent protein using fast centrifugal partition chromatography. Separation and Purification Technology, 2021, 257, 117648.	3.9	5
148	ACS Sustainable Chemistry & Engineering Welcomes Manuscripts on the Circular Economy of Biomass. ACS Sustainable Chemistry and Engineering, 2021, 9, 2410-2411.	3.2	5
149	Lysine-PEGylated Cytochrome C with Enhanced Shelf-Life Stability. Biosensors, 2022, 12, 94.	2.3	5
150	Synthesis of Purine-Based Ionic Liquids and Their Applications. Molecules, 2021, 26, 6958.	1.7	4
151	Blue is not enough: biological activities of Câ€phycocyanin extracts from Anabaena cylindrica. Journal of Chemical Technology and Biotechnology, 0, , .	1.6	3
152	Uncovering the Use of Fucoxanthin and Phycobiliproteins into Solid Matrices to Increase Their Emission Quantum Yield and Photostability. Applied Sciences (Switzerland), 2022, 12, 5839.	1.3	3
153	Toward the Recovery and Reuse of the ABS Phase-Forming Components. Green Chemistry and Sustainable Technology, 2016, , 285-315.	0.4	2
154	Effective Assessment Practices for Using Sustainability Metrics: Biomass Processing. ACS Sustainable Chemistry and Engineering, 2021, 9, 14654-14656.	3.2	2
155	Editorial: Envisioning the Future of Industrial Bioprocesses Through Biorefinery. Frontiers in Bioengineering and Biotechnology, 2021, 9, 617999.	2.0	1
156	ACS Sustainable Chemistry & Engineering Welcomes Manuscripts on Alternative Feedstocks. ACS Sustainable Chemistry and Engineering, 2021, 9, 4702-4703.	3.2	1
157	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.	1.7	1
158	Potential Threats of Ionic Liquids to the Environment and Ecosphere. , 2020, , 1-17.		1
159	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