

# 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	Identification of azaphilone derivatives of <i>Monascus colorants</i> from <i>Talaromyces amestolkiae</i> and their halochromic properties. <i>Food Chemistry</i> , 2022, 372, 131214.	4.2	22
2	Using aqueous solutions of ionic liquids as chlorophyll eluents in solid-phase extraction processes. <i>Chemical Engineering Journal</i> , 2022, 428, 131073.	6.6	14
3	Purification of immunoglobulin Y from egg yolk using thermoresponsive aqueous micellar two-phase systems comprising ionic liquids. <i>Separation and Purification Technology</i> , 2022, 288, 120589.	3.9	8
4	Lysine-PEGylated Cytochrome C with Enhanced Shelf-Life Stability. <i>Biosensors</i> , 2022, 12, 94.	2.3	5
5	Supplementation of carotenoids from peach palm waste ( <i>Bactris gasipaes</i> ) obtained with an ionic liquid mediated process displays kidney anti-inflammatory and antioxidant outcomes. <i>Food Chemistry: X</i> , 2022, 13, 100245.	1.8	8
6	Bioâ€Based Solar Energy Harvesting for Onsite Mobile Optical Temperature Sensing in Smart Cities. <i>Advanced Science</i> , 2022, 9, e2104801.	5.6	14
7	Crustacean waste biorefinery as a sustainable cost-effective business model. <i>Chemical Engineering Journal</i> , 2022, 442, 135937.	6.6	33
8	Selective Separation of Vanillic Acid from Other Lignin-Derived Monomers Using Centrifugal Partition Chromatography: The Effect of pH. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 4913-4921.	3.2	11
9	Carotenoid Production from Microalgae: The Portuguese Scenario. <i>Molecules</i> , 2022, 27, 2540.	1.7	12
10	Uncovering the Use of Fucoxanthin and Phycobiliproteins into Solid Matrices to Increase Their Emission Quantum Yield and Photostability. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5839.	1.3	3
11	Recent progress on the recovery of bioactive compounds obtained from propolis as a natural resource: Processes, and applications. <i>Separation and Purification Technology</i> , 2022, 298, 121640.	3.9	10
12	Sequential recovery of C-phycoyanin and chlorophylls from <i>Anabaena cylindrica</i> . <i>Separation and Purification Technology</i> , 2021, 255, 117538.	3.9	25
13	Extraction of chlorophyll from wild and farmed <i>Ulva</i> spp. using aqueous solutions of ionic liquids. <i>Separation and Purification Technology</i> , 2021, 254, 117589.	3.9	28
14	Recovery of pigments from <i>Ulva rigida</i> . <i>Separation and Purification Technology</i> , 2021, 255, 117723.	3.9	15
15	Economic analysis of the production and recovery of green fluorescent protein using ATPS-based bioprocesses. <i>Separation and Purification Technology</i> , 2021, 254, 117595.	3.9	16
16	New insights on the effects of ionic liquid structural changes at the gene expression level: Molecular mechanisms of toxicity in <i>Daphnia magna</i> . <i>Journal of Hazardous Materials</i> , 2021, 409, 124517.	6.5	20
17	Insights on the use of alternative solvents and technologies to recover bioâ€based food pigments. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2021, 20, 787-818.	5.9	36
18	Study of the partition of sodium diclofenac and norfloxacin in aqueous two-phase systems based on copolymers and dextran. <i>Fluid Phase Equilibria</i> , 2021, 530, 112868.	1.4	11

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19	Purification of green fluorescent protein using fast centrifugal partition chromatography. Separation and Purification Technology, 2021, 257, 117648.	3.9	5
20	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.	3.2	20
21	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
22	Zwitterionic compounds are less ecotoxic than their analogous ionic liquids. Green Chemistry, 2021, 23, 3683-3692.	4.6	16
23	Editorial: Envisioning the Future of Industrial Bioprocesses Through Biorefinery. Frontiers in Bioengineering and Biotechnology, 2021, 9, 617999.	2.0	1
24	ACS Sustainable Chemistry & Engineering Welcomes Manuscripts on the Circular Economy of Biomass. ACS Sustainable Chemistry and Engineering, 2021, 9, 2410-2411.	3.2	5
25	Sustainable Strategy Based on Induced Precipitation for the Purification of Phycobiliproteins. ACS Sustainable Chemistry and Engineering, 2021, 9, 3942-3954.	3.2	16
26	Multiproduct Microalgae Biorefineries Mediated by Ionic Liquids. Trends in Biotechnology, 2021, 39, 1131-1143.	4.9	19
27	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
28	ACS Sustainable Chemistry & Engineering Welcomes Manuscripts on Alternative Feedstocks. ACS Sustainable Chemistry and Engineering, 2021, 9, 4702-4703.	3.2	1
29	Enhancing Artemisinin Solubility in Aqueous Solutions: Searching for Hydrotropes based on Ionic Liquids. Fluid Phase Equilibria, 2021, 534, 112961.	1.4	11
30	The "Bright Side" 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
31	Extraction and Fractionation of Pigments from <i>Saccharina latissima</i> (Linnaeus, 2006) Using an Ionic Liquid + Oil + Water System. ACS Sustainable Chemistry and Engineering, 2021, 9, 6599-6612.	3.2	28
32	Evaluating the hazardous impact of ionic liquids " Challenges and opportunities. Journal of Hazardous Materials, 2021, 412, 125215.	6.5	82
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.	2.0	28
34	Microalgae as Contributors to Produce Biopolymers. Marine Drugs, 2021, 19, 466.	2.2	53
35	Amino-acid-based chiral ionic liquids characterization and application in aqueous biphasic systems. Fluid Phase Equilibria, 2021, 542-543, 113091.	1.4	10
36	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.	4.6	20

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37	Opposite Effects Induced by Cholinium-Based Ionic Liquid Electrolytes in the Formation of Aqueous Biphasic Systems Comprising Polyethylene Glycol and Sodium Polyacrylate. <i>Molecules</i> , 2021, 26, 6612.	1.7	1
38	Effective Assessment Practices for Using Sustainability Metrics: Biomass Processing. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 14654-14656.	3.2	2
39	Enhanced Dissolution of Chitin Using Acidic Deep Eutectic Solvents: A Sustainable and Simple Approach to Extract Chitin from Crayfish shell Wastes as Alternative Feedstocks. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 16073-16081.	3.2	23
40	Synthesis of Purine-Based Ionic Liquids and Their Applications. <i>Molecules</i> , 2021, 26, 6958.	1.7	4
41	Extraction and purification of violacein from <i>Yarrowia lipolytica</i> cells using aqueous solutions of surfactants. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 1126-1134.	1.6	20
42	Protein Cohabitation: Improving the Photochemical Stability of R-Phycoerythrin in the Solid State. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 6249-6255.	2.1	14
43	Development of a Microfluidic Platform for R-Phycoerythrin Purification Using an Aqueous Micellar Two-Phase System. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 17097-17105.	3.2	11
44	Unravelling the Interactions between Surface-Active Ionic Liquids and Triblock Copolymers for the Design of Thermal Responsive Systems. <i>Journal of Physical Chemistry B</i> , 2020, 124, 7046-7058.	1.2	12
45	Separation of mandelic acid enantiomers using solid-liquid biphasic systems with chiral ionic liquids. <i>Separation and Purification Technology</i> , 2020, 252, 117468.	3.9	13
46	Recovering PHA from mixed microbial biomass: Using non-ionic surfactants as a pretreatment step. <i>Separation and Purification Technology</i> , 2020, 253, 117521.	3.9	23
47	Applicability of heuristic rules defining structure-ecotoxicity relationships of ionic liquids: an integrative assessment using species sensitivity distributions (SSD). <i>Green Chemistry</i> , 2020, 22, 6176-6186.	4.6	12
48	Environmentally friendly luminescent solar concentrators based on an optically efficient and stable green fluorescent protein. <i>Green Chemistry</i> , 2020, 22, 4943-4951.	4.6	21
49	Separation and purification of biomacromolecules based on microfluidics. <i>Green Chemistry</i> , 2020, 22, 4391-4410.	4.6	47
50	Emerging seaweed extraction techniques using ionic liquids. , 2020, , 287-311.		6
51	Ionic Liquid-Mediated Recovery of Carotenoids from the <i>Bactris gasipaes</i> Fruit Waste and Their Application in Food-Packaging Chitosan Films. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 4085-4095.	3.2	43
52	Imidazolium-based Ionic Liquids as Adjuvants to Form Polyethylene Glycol with Salt Buffer Aqueous Biphasic Systems. <i>Journal of Chemical &amp; Engineering Data</i> , 2020, 65, 3794-3801.	1.0	8
53	Potential Threats of Ionic Liquids to the Environment and Ecosphere. , 2020, , 1-17.		1
54	Rationalizing the Phase Behavior of Triblock Copolymers through Experiments and Molecular Simulations. <i>Journal of Physical Chemistry C</i> , 2019, 123, 21224-21236.	1.5	33

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55	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
56	Continuous separation of cytochrome-c PEGylated conjugates by fast centrifugal partition chromatography. Green Chemistry, 2019, 21, 5501-5506.	4.6	10
57	Temperature-responsive extraction of violacein using a tuneable anionic surfactant-based system. Chemical Communications, 2019, 55, 8643-8646.	2.2	10
58	Glycine-betaine-derived ionic liquids: Synthesis, characterization and ecotoxicological evaluation. Ecotoxicology and Environmental Safety, 2019, 184, 109580.	2.9	27
59	Synthesis and Characterization of Surface-Active Ionic Liquids Used in the Disruption of <i>Escherichia Coli</i> Cells. ChemPhysChem, 2019, 20, 727-735.	1.0	22
60	PEGylation as an efficient tool to enhance cytochrome <i>c</i> thermostability: a kinetic and thermodynamic study. Journal of Materials Chemistry B, 2019, 7, 4432-4439.	2.9	9
61	Efficient Extraction of Carotenoids from <i>Sargassum muticum</i> Using Aqueous Solutions of Tween 20. Marine Drugs, 2019, 17, 310.	2.2	9
62	Odd-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
63	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
64	Aquatic Toxicology of Ionic Liquids (ILs). , 2019, , 1-18.		7
65	Ionic liquid-high performance extractive approach to recover carotenoids from <i>Bactris gasipaes</i> fruits. Green Chemistry, 2019, 21, 2380-2391.	4.6	48
66	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
67	Cytotoxicity profiling of deep eutectic solvents to human skin cells. Scientific Reports, 2019, 9, 3932.	1.6	93
68	R-phycoerythrin extraction and purification from fresh <i>Gracilaria</i> sp. using thermo-responsive systems. Green Chemistry, 2019, 21, 3816-3826.	4.6	26
69	Integration of aqueous (micellar) two-phase systems on the proteins separation. BMC Chemical Engineering, 2019, 1, .	3.4	14
70	Controlling the asparaginase extraction and purification by the appropriate selection of polymer/salt-based aqueous biphasic systems. Journal of Chemical Technology and Biotechnology, 2019, 95, 1016.	1.6	6
71	An integrated process combining the reaction and purification of PEGylated proteins. Green Chemistry, 2019, 21, 6407-6418.	4.6	5
72	Sustainable Liquid Luminescent Solar Concentrators. Advanced Sustainable Systems, 2019, 3, 1800134.	2.7	30

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73	Anti-inflammatory and antioxidant nanostructured cellulose membranes loaded with phenolic-based ionic liquids for cutaneous application. <i>Carbohydrate Polymers</i> , 2019, 206, 187-197.	5.1	66
74	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. <i>Chemical Engineering Education</i> , 2019, 53, 112-120.	0.2	1
75	Aqueous biphasic systems in the separation of food colorants. <i>Biochemistry and Molecular Biology Education</i> , 2018, 46, 390-397.	0.5	8
76	Separation of phenolic compounds by centrifugal partition chromatography. <i>Green Chemistry</i> , 2018, 20, 1906-1916.	4.6	29
77	Odd-even effect on the formation of aqueous biphasic systems formed by 1-alkyl-3-methylimidazolium chloride ionic liquids and salts. <i>Journal of Chemical Physics</i> , 2018, 148, .	1.2	16
78	Recovery of Nonsteroidal Anti-Inflammatory Drugs from Wastes Using Ionic-Liquid-Based Three-Phase Partitioning Systems. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 4574-4585.	3.2	18
79	Extraction of recombinant proteins from <i>Escherichia coli</i> by cell disruption with aqueous solutions of surface-active compounds. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 1864-1870.	1.6	18
80	Enhanced dissolution of ibuprofen using ionic liquids as catanionic hydrotropes. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 2094-2103.	1.3	68
81	Recovery of carotenoids from brown seaweeds using aqueous solutions of surface-active ionic liquids and anionic surfactants. <i>Separation and Purification Technology</i> , 2018, 196, 300-308.	3.9	37
82	<i>In situ</i> purification of periplasmatic L-asparaginase by aqueous two phase systems with ionic liquids (ILs) as adjuvants. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 1871-1880.	1.6	31
83	Aqueous Biphasic Systems Using Chiral Ionic Liquids for the Enantioseparation of Mandelic Acid Enantiomers. <i>Solvent Extraction and Ion Exchange</i> , 2018, 36, 617-631.	0.8	20
84	Understanding the interactions of imidazolium-based ionic liquids with cell membrane models. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 29764-29777.	1.3	27
85	Fractionation of <i>Isochrysis galbana</i> Proteins, Arabinans, and Glucans Using Ionic-Liquid-Based Aqueous Biphasic Systems. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 14042-14053.	3.2	26
86	The antagonist and synergist potential of cholinium-based deep eutectic solvents. <i>Ecotoxicology and Environmental Safety</i> , 2018, 165, 597-602.	2.9	35
87	Unraveling the ecotoxicity of deep eutectic solvents using the mixture toxicity theory. <i>Chemosphere</i> , 2018, 212, 890-897.	4.2	62
88	Aqueous Biphasic Systems Composed of Cholinium Chloride and Polymers as Effective Platforms for the Purification of Recombinant Green Fluorescent Protein. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 9383-9393.	3.2	33
89	Ionic-Liquid-Mediated Extraction and Separation Processes for Bioactive Compounds: Past, Present, and Future Trends. <i>Chemical Reviews</i> , 2017, 117, 6984-7052.	23.0	689
90	Good's buffer ionic liquids as relevant phase-forming components of self-buffered aqueous biphasic systems. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 2287-2299.	1.6	15

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91	Temperature dependency of aqueous biphasic systems: an alternative approach for exploring the differences between Coulombic-dominated salts and ionic liquids. <i>Chemical Communications</i> , 2017, 53, 7298-7301.	2.2	28
92	Ecotoxicological evaluation of magnetic ionic liquids. <i>Ecotoxicology and Environmental Safety</i> , 2017, 143, 315-321.	2.9	39
93	Multistep purification of cytochrome c PEGylated forms using polymer-based aqueous biphasic systems. <i>Green Chemistry</i> , 2017, 19, 5800-5808.	4.6	18
94	Impact of Surface Active Ionic Liquids on the Cloud Points of Nonionic Surfactants and the Formation of Aqueous Micellar Two-Phase Systems. <i>Journal of Physical Chemistry B</i> , 2017, 121, 8742-8755.	1.2	45
95	Lipase production and purification by self-buffering ionic liquid-based aqueous biphasic systems. <i>Process Biochemistry</i> , 2017, 63, 221-228.	1.8	20
96	Purification of clavulanic acid produced by <i>Streptomyces clavuligerus</i> via submerged fermentation using polyethylene glycol/cholinium chloride aqueous two-phase systems. <i>Fluid Phase Equilibria</i> , 2017, 450, 42-50.	1.4	17
97	Using Ionic Liquids To Tune the Performance of Aqueous Biphasic Systems Based on Pluronic L-35 for the Purification of Naringin and Rutin. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 6409-6419.	3.2	27
98	Heterologous expression and purification of active L-asparaginase I of <i>Saccharomyces cerevisiae</i> in <i>Escherichia coli</i> host. <i>Biotechnology Progress</i> , 2017, 33, 416-424.	1.3	13
99	Single-step extraction of carotenoids from brown macroalgae using non-ionic surfactants. <i>Separation and Purification Technology</i> , 2017, 172, 268-276.	3.9	34
100	Evaluating the toxicity of biomass derived platform chemicals. <i>Green Chemistry</i> , 2016, 18, 4733-4742.	4.6	32
101	Recovery of capsaicin from <i>Capsicum frutescens</i> by applying aqueous two-phase systems based on acetonitrile and cholinium-based ionic liquids. <i>Chemical Engineering Research and Design</i> , 2016, 112, 103-112.	2.7	35
102	Recovery of phycobiliproteins from the red macroalga <i>Gracilaria</i> sp. using ionic liquid aqueous solutions. <i>Green Chemistry</i> , 2016, 18, 4287-4296.	4.6	71
103	Toward the Recovery and Reuse of the ABS Phase-Forming Components. <i>Green Chemistry and Sustainable Technology</i> , 2016, , 285-315.	0.4	2
104	Fractionation of phenolic compounds from lignin depolymerisation using polymeric aqueous biphasic systems with ionic surfactants as electrolytes. <i>Green Chemistry</i> , 2016, 18, 5569-5579.	4.6	29
105	Development of predictive QSAR models for <i>Vibrio fischeri</i> toxicity of ionic liquids and their true external and experimental validation tests. <i>Toxicology Research</i> , 2016, 5, 1388-1399.	0.9	33
106	Lipase Production and Purification from Fermentation Broth Using Ionic Liquids. , 2016, , 59-97.		7
107	Densities, Viscosities, and Refractive Indexes of Goodâ€™s Buffer Ionic Liquids. <i>Journal of Chemical &amp; Engineering Data</i> , 2016, 61, 2260-2268.	1.0	13
108	Selective partition of caffeine from coffee bean and guaranÃ¡ seed extracts using alcoholâ€™salt aqueous two-phase systems. <i>Separation Science and Technology</i> , 2016, 51, 2008-2019.	1.3	10

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109	Recovery of bromelain from pineapple stem residues using aqueous micellar two-phase systems with ionic liquids as co-surfactants. <i>Process Biochemistry</i> , 2016, 51, 528-534.	1.8	41
110	(Eco)toxicity and biodegradability of protic ionic liquids. <i>Chemosphere</i> , 2016, 147, 460-466.	4.2	96
111	Recovery of an antidepressant from pharmaceutical wastes using ionic liquid-based aqueous biphasic systems. <i>Green Chemistry</i> , 2016, 18, 3527-3536.	4.6	35
112	Recovery of ibuprofen from pharmaceutical wastes using ionic liquids. <i>Green Chemistry</i> , 2016, 18, 3749-3757.	4.6	27
113	Modeling of the binodal curve of ionic liquid/salt aqueous systems. <i>Fluid Phase Equilibria</i> , 2016, 426, 10-16.	1.4	10
114	From water-in-oil to oil-in-water emulsions to optimize the production of fatty acids using ionic liquids in micellar systems. <i>Biotechnology Progress</i> , 2015, 31, 1473-1480.	1.3	10
115	Novel Biocompatible and Self-buffering Ionic Liquids for Biopharmaceutical Applications. <i>Chemistry - A European Journal</i> , 2015, 21, 4781-4788.	1.7	96
116	Ionic liquids as a novel class of electrolytes in polymeric aqueous biphasic systems. <i>Process Biochemistry</i> , 2015, 50, 661-668.	1.8	34
117	Environmental safety of cholinium-based ionic liquids: assessing structure-ecotoxicity relationships. <i>Green Chemistry</i> , 2015, 17, 4657-4668.	4.6	115
118	Role of the chemical structure of ionic liquids in their ecotoxicity and reactivity towards Fenton oxidation. <i>Separation and Purification Technology</i> , 2015, 150, 252-256.	3.9	36
119	Lipase purification using ionic liquids as adjuvants in aqueous two-phase systems. <i>Green Chemistry</i> , 2015, 17, 3026-3034.	4.6	78
120	Ecotoxicity of Cholinium-Based Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 3398-3404.	3.2	119
121	Evaluating Self-buffering Ionic Liquids for Biotechnological Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 3420-3428.	3.2	46
122	Enhancing the Antioxidant Characteristics of Phenolic Acids by Their Conversion into Cholinium Salts. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 2558-2565.	3.2	54
123	Ionic liquid-based aqueous biphasic systems as a versatile tool for the recovery of antioxidant compounds. <i>Biotechnology Progress</i> , 2015, 31, 70-77.	1.3	35
124	Ionic liquid recovery alternatives in ionic liquid-based three-phase partitioning (ILTPP). <i>AIChE Journal</i> , 2014, 60, 3577-3586.	1.8	21
125	Degradation of imidazolium-based ionic liquids in aqueous solution by Fenton oxidation. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 1197-1202.	1.6	53
126	Effect of ionic liquids as adjuvants on PEG-based ABS formation and the extraction of two probe dyes. <i>Fluid Phase Equilibria</i> , 2014, 375, 30-36.	1.4	67



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127	Ecotoxicity analysis of cholinium-based ionic liquids to <i>Vibrio fischeri</i> marine bacteria. <i>Ecotoxicology and Environmental Safety</i> , 2014, 102, 48-54.	2.9	185
128	Ionic liquid-based three phase partitioning (ILTPP) systems: Ionic liquid recovery and recycling. <i>Fluid Phase Equilibria</i> , 2014, 371, 67-74.	1.4	42
129	Understanding the impact of the central atom on the ionic liquid behavior: Phosphonium vs ammonium cations. <i>Journal of Chemical Physics</i> , 2014, 140, 064505.	1.2	127
130	Recovery of paracetamol from pharmaceutical wastes. <i>Separation and Purification Technology</i> , 2014, 122, 315-322.	3.9	47
131	Good's buffers as a basis for developing self-buffering and biocompatible ionic liquids for biological research. <i>Green Chemistry</i> , 2014, 16, 3149-3159.	4.6	94
132	Design of novel aqueous micellar two-phase systems using ionic liquids as co-surfactants for the selective extraction of (bio)molecules. <i>Separation and Purification Technology</i> , 2014, 135, 259-267.	3.9	64
133	Superactivity induced by micellar systems as the key for boosting the yield of enzymatic reactions. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 107, 140-151.	1.8	56
134	The effect of the cation alkyl chain branching on mutual solubilities with water and toxicities. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 19952.	1.3	64
135	Sustainable design for environment-friendly mono and dicationic cholinium-based ionic liquids. <i>Ecotoxicology and Environmental Safety</i> , 2014, 108, 302-310.	2.9	83
136	Phase diagrams of ionic liquids-based aqueous biphasic systems as a platform for extraction processes. <i>Journal of Chemical Thermodynamics</i> , 2014, 77, 206-213.	1.0	53
137	Aqueous biphasic systems composed of ionic liquids and polymers: A platform for the purification of biomolecules. <i>Separation and Purification Technology</i> , 2013, 113, 83-89.	3.9	82
138	Isolation of natural red colorants from fermented broth using ionic liquid-based aqueous two-phase systems. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2013, 40, 507-516.	1.4	60
139	Imidazolium and Pyridinium Ionic Liquids from Mandelic Acid Derivatives: Synthesis and Bacteria and Algae Toxicity Evaluation. <i>ACS Sustainable Chemistry and Engineering</i> , 2013, 1, 393-402.	3.2	77
140	Designing ionic liquids: the chemical structure role in the toxicity. <i>Ecotoxicology</i> , 2013, 22, 1-12.	1.1	230
141	Ionic liquids microemulsions: the key to <i>Candida antarctica</i> lipase B superactivity. <i>Green Chemistry</i> , 2012, 14, 1620.	4.6	62
142	Toxicity assessment of various ionic liquid families towards <i>Vibrio fischeri</i> marine bacteria. <i>Ecotoxicology and Environmental Safety</i> , 2012, 76, 162-168.	2.9	254
143	Increased significance of food wastes: Selective recovery of added-value compounds. <i>Food Chemistry</i> , 2012, 135, 2453-2461.	4.2	59
144	Production and purification of an extracellular lipolytic enzyme using ionic liquid-based aqueous two-phase systems. <i>Green Chemistry</i> , 2012, 14, 734.	4.6	100

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145	Ionic-Liquid-Based Aqueous Biphasic Systems with Controlled pH: The Ionic Liquid Anion Effect. <i>Journal of Chemical &amp; Engineering Data</i> , 2012, 57, 507-512.	1.0	64
146	Simple screening method to identify toxic/non-toxic ionic liquids: Agar diffusion test adaptation. <i>Ecotoxicology and Environmental Safety</i> , 2012, 83, 55-62.	2.9	89
147	Concentration effect of hydrophilic ionic liquids on the enzymatic activity of <i>Candida antarctica</i> lipase B. <i>World Journal of Microbiology and Biotechnology</i> , 2012, 28, 2303-2310.	1.7	51
148	Ionic Liquid Based Aqueous Biphasic Systems with Controlled pH: The Ionic Liquid Cation Effect. <i>Journal of Chemical &amp; Engineering Data</i> , 2011, 56, 4253-4260.	1.0	96
149	Design of ionic liquids for lipase purification. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 2679-2687.	1.2	91
150	Ecotoxicological risk profile of ionic liquids: octanol-water distribution coefficients and toxicological data. <i>Journal of Chemical Technology and Biotechnology</i> , 2011, 86, 957-963.	1.6	47
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