

Mara Freire

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

290 papers	16,281 citations	71 h-index	117 g-index
316 ext. papers	18,263 ext. citations	6.1 avg, IF	6.87 L-index

#	Paper	IF	Citations
290	Advances achieved in solid-phase microextraction using polymeric ionic liquids 2022 , 347-381		
289	Separation of Albumin from Bovine Serum Applying Ionic-Liquid-Based Aqueous Biphasic Systems. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 707	2.6	1
288	Purification of Immunoglobulin Y from egg yolk using thermoresponsive aqueous micellar two-phase systems comprising ionic liquids. <i>Separation and Purification Technology</i> , 2022 , 120589	8.3	0
287	Relevance on the Recovery of High Economic Value Elements and Potential of Ionic Liquids 2022 , 1995-2021		
286	Improved Production of 5-Hydroxymethylfurfural in Acidic Deep Eutectic Solvents Using Microwave-Assisted Reactions.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	1
285	Aqueous Biphasic Systems Comprising Natural Organic Acid-Derived Ionic Liquids. <i>Separations</i> , 2022 , 9, 46	3.1	0
284	Boosting Antibiotics Performance by New Formulations with Deep Eutectic Solvents.. <i>International Journal of Pharmaceutics</i> , 2022 , 616, 121566	6.5	2
283	Achievements and perspectives of using deep eutectic solvents in the analytical chemistry field 2022 , 33-72		
282	Using aqueous solutions of ionic liquids as chlorophyll eluents in solid-phase extraction processes. <i>Chemical Engineering Journal</i> , 2022 , 428, 131073	14.7	7
281	Ionogels for Biomedical Applications. <i>Materials Horizons</i> , 2022 , 391-425	0.6	1
280	Characterization of cholinium-carboxylate-based aqueous biphasic systems. <i>Fluid Phase Equilibria</i> , 2022 , 558, 113458	2.5	1
279	Efficient Extraction of the RuBisCO Enzyme from Spinach Leaves Using Aqueous Solutions of Biocompatible Ionic Liquids. <i>Sustainable Chemistry</i> , 2022 , 3, 1-18	3.6	2
278	Immobilization and Characterization of L-Asparaginase over Carbon Xerogels. <i>BioTech</i> , 2022 , 11, 10	1.2	0
277	Superior operational stability of immobilized L-asparaginase over surface-modified carbon nanotubes. <i>Scientific Reports</i> , 2021 , 11, 21529	4.9	0
276	Enhancing Artemisinin Solubility in Aqueous Solutions: Searching for Hydrotropes based on Ionic Liquids. <i>Fluid Phase Equilibria</i> , 2021 , 534, 112961	2.5	1
275	Sustainable liquid supports for laccase immobilization and reuse: Degradation of dyes in aqueous biphasic systems. <i>Biotechnology and Bioengineering</i> , 2021 , 118, 2514-2523	4.9	4
274	Ionic Liquids in Drug Delivery. <i>Encyclopedia</i> , 2021 , 1, 324-339		6

273	Interferon-Based Biopharmaceuticals: Overview on the Production, Purification, and Formulation. <i>Vaccines</i> , 2021 , 9,	5.3	3
272	L-asparaginase production review: bioprocess design and biochemical characteristics. <i>Applied Microbiology and Biotechnology</i> , 2021 , 105, 4515-4534	5.7	6
271	Insights into coacervative and dispersive liquid-phase microextraction strategies with hydrophilic media - A review. <i>Analytica Chimica Acta</i> , 2021 , 1143, 225-249	6.6	19
270	Recovery of lactose and proteins from cheese whey with poly(ethylene)glycol/sulfate aqueous two-phase systems. <i>Separation and Purification Technology</i> , 2021 , 255, 117686	8.3	6
269	Unveiling Modifications of Biomass Polysaccharides during Thermal Treatment in Cholinium Chloride : Lactic Acid Deep Eutectic Solvent. <i>ChemSusChem</i> , 2021 , 14, 686-698	8.3	5
268	Advances in aqueous biphasic systems for biotechnology applications. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2021 , 27, 100417	7.9	3
267	Purification of green fluorescent protein using fast centrifugal partition chromatography. <i>Separation and Purification Technology</i> , 2021 , 257, 117648	8.3	2
266	Relevance on the Recovery of High Economic Value Elements and Potential of Ionic Liquids 2021 , 1-28		
265	Nucleophilic degradation of diazinon in thermoreversible polymer-polymer aqueous biphasic systems. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 4133-4140	3.6	
264	Extraction and Purification of IgY 2021 , 135-160		
263	One-Step All-Aqueous Interfacial Assembly of Robust Membranes for Long-Term Encapsulation and Culture of Adherent Stem/Stromal Cells. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2100266	10.1	3
262	Integrated Biocatalytic Platform Based on Aqueous Biphasic Systems for the Sustainable Oligomerization of Rutin. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 9941-9950	8.3	2
261	Valorization of Spent Coffee by Caffeine Extraction Using Aqueous Solutions of Cholinium-Based Ionic Liquids. <i>Sustainability</i> , 2021 , 13, 7509	3.6	2
260	Integrated Production and Separation of Furfural Using an Acidic-Based Aqueous Biphasic System. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 12205-12212	8.3	1
259	Simultaneous separation of egg white proteins using aqueous three-phase partitioning systems. <i>Journal of Molecular Liquids</i> , 2021 , 336, 116245	6	3
258	L-Asparaginase-Based Biosensors. <i>Encyclopedia</i> , 2021 , 1, 848-858		1
257	Advances Achieved by Ionic-Liquid-Based Materials as Alternative Supports and Purification Platforms for Proteins and Enzymes. <i>Nanomaterials</i> , 2021 , 11,	5.4	2
256	Deep Eutectic Solvents and Pharmaceuticals. <i>Encyclopedia</i> , 2021 , 1, 942-963		5

255	Synthesis and characterization of analogues of glycine-betaine surface-active ionic liquids. <i>Journal of Molecular Liquids</i> , 2021 , 342, 117440	6	3
254	Advances Brought by Ionic Liquids in the Development of Polymer-Based Drug Delivery Systems 2021 , 113-135		
253	Enhanced Furfural Production in Deep Eutectic Solvents Comprising Alkali Metal Halides as Additives. <i>Molecules</i> , 2021 , 26,	4.8	1
252	Chlorophylls Extraction from Spinach Leaves Using Aqueous Solutions of Surface-Active Ionic Liquids. <i>Sustainable Chemistry</i> , 2021 , 2, 764-777	3.6	1
251	Recent Strategies and Applications for L-Asparaginase Confinement. <i>Molecules</i> , 2020 , 25,	4.8	18
250	Improved ionic-liquid-functionalized macroporous supports able to purify nucleic acids in one step. <i>Materials Today Bio</i> , 2020 , 8, 100086	9.9	1
249	The Role of Ionic Liquids in the Pharmaceutical Field: An Overview of Relevant Applications. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	39
248	Supported Ionic Liquids for the Efficient Removal of Acetylsalicylic Acid from Aqueous Solutions. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 2380-2389	2.3	1
247	Enhanced performance of polymer-polymer aqueous two-phase systems using ionic liquids as adjuvants towards the purification of recombinant proteins. <i>Separation and Purification Technology</i> , 2020 , 248, 117051	8.3	14
246	Insights on the laccase extraction and activity in ionic-liquid-based aqueous biphasic systems. <i>Separation and Purification Technology</i> , 2020 , 248, 117052	8.3	11
245	Aqueous solutions of deep eutectic systems as reaction media for the saccharification and fermentation of hardwood xylan into xylitol. <i>Bioresource Technology</i> , 2020 , 311, 123524	11	18
244	Instantaneous Fibrillation of egg white proteome with ionic liquid and macromolecular crowding. <i>Communications Materials</i> , 2020 , 1,	6	5
243	Valorization of Expired Energy Drinks by Designed and Integrated Ionic Liquid-Based Aqueous Biphasic Systems. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 5683-5692	8.3	4
242	Hybrid alginate-protein cryogel beads: efficient and sustainable bio-based materials to purify immunoglobulin G antibodies. <i>Green Chemistry</i> , 2020 , 22, 2225-2233	10	8
241	Recovery of immunoglobulin G from rabbit serum using Earrageenan-modified hybrid magnetic nanoparticles. <i>International Journal of Biological Macromolecules</i> , 2020 , 150, 914-921	7.9	5
240	Bacterial nanocellulose membranes loaded with vitamin B-based ionic liquids for dermal care applications. <i>Journal of Molecular Liquids</i> , 2020 , 302, 112547	6	26
239	Biomedical-related applications of functionalized nanomaterials 2020 , 205-230		
238	Aqueous two-phase systems: Towards novel and more disruptive applications. <i>Fluid Phase Equilibria</i> , 2020 , 505, 112341	2.5	38

237	Aqueous biphasic systems comprising copolymers and cholinium-based salts or ionic liquids: Insights on the mechanisms responsible for their creation. <i>Separation and Purification Technology</i> , 2020 , 248, 117050	8.3	5
236	Extraction of High Value Triterpenic Acids from Biomass Using Hydrophobic Deep Eutectic Solvents. <i>Molecules</i> , 2020 , 25,	4.8	13
235	Distinct roles of salt cations and anions upon the salting-out of electro-positive albumin. <i>Journal of Molecular Liquids</i> , 2020 , 301, 112409	6	2
234	Enhanced Conversion of Xylan into Furfural using Acidic Deep Eutectic Solvents with Dual Solvent and Catalyst Behavior. <i>ChemSusChem</i> , 2020 , 13, 784-790	8.3	39
233	Critical aspects of membrane-free aqueous battery based on two immiscible neutral electrolytes. <i>Energy Storage Materials</i> , 2020 , 26, 400-407	19.4	11
232	Insights on the DNA Stability in Aqueous Solutions of Ionic Liquids. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 547857	5.8	4
231	Selective Separation of Manganese, Cobalt, and Nickel in a Fully Aqueous System. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 12260-12269	8.3	7
230	The role of carboxyl groups upon the precipitation of albumin at low pH. <i>Journal of Molecular Liquids</i> , 2020 , 319, 114206	6	2
229	Development and characterization of a novel l-asparaginase/MWCNT nanobioconjugate.. <i>RSC Advances</i> , 2020 , 10, 31205-31213	3.7	12
228	Towards the differential diagnosis of prostate cancer by the pre-treatment of human urine using ionic liquids. <i>Scientific Reports</i> , 2020 , 10, 14931	4.9	5
227	Use of Ionic Liquids and Deep Eutectic Solvents in Polysaccharides Dissolution and Extraction Processes towards Sustainable Biomass Valorization. <i>Molecules</i> , 2020 , 25,	4.8	38
226	Improvements in the enzymatic degradation of textile dyes using ionic-liquid-based surfactants. <i>Separation and Purification Technology</i> , 2020 , 235, 116191	8.3	24
225	Supported ionic liquids as efficient materials to remove non-steroidal anti-inflammatory drugs from aqueous media. <i>Chemical Engineering Journal</i> , 2020 , 381, 122616	14.7	26
224	Performance of tetraalkylammonium-based ionic liquids as constituents of aqueous biphasic systems in the extraction of ovalbumin and lysozyme. <i>Separation and Purification Technology</i> , 2020 , 233, 116019	8.3	21
223	Enhanced Extraction of Levodopa from Mucuna pruriens Seeds Using Aqueous Solutions of Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 6682-6689	8.3	5
222	Application of Ionic Liquids in Separation and Fractionation Processes 2019 , 637-665		1
221	Sustainable strategies based on glycineBetaine analogue ionic liquids for the recovery of monoclonal antibodies from cell culture supernatants. <i>Green Chemistry</i> , 2019 , 21, 5671-5682	10	16
220	Simultaneous Separation of Antioxidants and Carbohydrates From Food Wastes Using Aqueous Biphasic Systems Formed by Cholinium-Derived Ionic Liquids. <i>Frontiers in Chemistry</i> , 2019 , 7, 459	5	8

219	Laccase Activation in Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 11806-11814	4.9	1
218	Odd-Even Effect in the Formation and Extraction Performance of Ionic-Liquid-Based Aqueous Biphasic Systems. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 8323-8331	3.9	5
217	Synthesis and characterization of analogues of glycine-betaine ionic liquids and their use in the formation of aqueous biphasic systems. <i>Fluid Phase Equilibria</i> , 2019 , 494, 239-245	2.5	10
216	Integrated Extraction-Preservation Strategies for RNA Using Biobased Ionic Liquids. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 9439-9448	8.3	10
215	Effects of phosphonium-based ionic liquids on the lipase activity evaluated by experimental results and molecular docking. <i>Biotechnology Progress</i> , 2019 , 35, e2816	2.8	11
214	Deep eutectic solvents comprising active pharmaceutical ingredients in the development of drug delivery systems. <i>Expert Opinion on Drug Delivery</i> , 2019 , 16, 497-506	8	45
213	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. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 15102-15113	8.3	15
212	Enhanced Activity of Immobilized Lipase by Phosphonium-Based Ionic Liquids Used in the Support Preparation and Immobilization Process. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 15648-15659	8.3	19
211	Ionic Liquids and Deep Eutectic Solvents in the Field of Environmental Monitoring. <i>Green Chemistry and Sustainable Technology</i> , 2019 , 203-240	1.1	
210	Design of Nonsteroidal Anti-Inflammatory Drug-Based Ionic Liquids with Improved Water Solubility and Drug Delivery. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 14126-14134	8.3	32
209	Recovery of Syringic Acid from Industrial Food Waste with Aqueous Solutions of Ionic Liquids. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 14143-14152	8.3	11
208	Continuous separation of cytochrome-c PEGylated conjugates by fast centrifugal partition chromatography. <i>Green Chemistry</i> , 2019 , 21, 5501-5506	10	6
207	Polyvinylidene fluoride-Hyaluronic acid wound dressing comprised of ionic liquids for controlled drug delivery and dual therapeutic behavior. <i>Acta Biomaterialia</i> , 2019 , 100, 142-157	10.8	30
206	Liquid-Liquid Equilibrium and Extraction Performance of Aqueous Biphasic Systems Composed of Water, Cholinium Carboxylate Ionic Liquids and K ₂ CO ₃ . <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 4946-4955	2.8	5
205	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 2019 , 53, 112-120		1
204	3. Aqueous biphasic systems formed by cholinium-based ionic liquids and mixtures of polymers 2019 , 29-54		0
203	Enhanced biocatalytic sustainability of laccase by immobilization on functionalized carbon nanotubes/polysulfone membranes. <i>Chemical Engineering Journal</i> , 2019 , 355, 974-985	14.7	82
202	Solvatochromism as a new tool to distinguish structurally similar compounds. <i>Journal of Molecular Liquids</i> , 2019 , 274, 740-745	6	4

201	Binary Mixtures of Ionic Liquids in Aqueous Solution: Towards an Understanding of their Salting-In/Salting-Out Phenomena. <i>Journal of Solution Chemistry</i> , 2019 , 48, 983-991	1.8	5
200	Anti-inflammatory and antioxidant nanostructured cellulose membranes loaded with phenolic-based ionic liquids for cutaneous application. <i>Carbohydrate Polymers</i> , 2019 , 206, 187-197	10.3	41
199	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. <i>Biochemical Engineering Journal</i> , 2019 , 141, 239-246	4.2	27
198	Ionic Liquids in Bioseparation Processes. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2019 , 168, 1-29	1.7	0
197	Mechanisms ruling the partition of solutes in ionic-liquid-based aqueous biphasic systems - the multiple effects of ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 8411-8422	3.6	8
196	Economic evaluation of the primary recovery of tetracycline with traditional and novel aqueous two-phase systems. <i>Separation and Purification Technology</i> , 2018 , 203, 178-184	8.3	13
195	Aqueous biphasic systems in the separation of food colorants. <i>Biochemistry and Molecular Biology Education</i> , 2018 , 46, 390-397	1.3	3
194	Valorization of olive tree leaves: Extraction of oleanolic acid using aqueous solutions of surface-active ionic liquids. <i>Separation and Purification Technology</i> , 2018 , 204, 30-37	8.3	23
193	Separation of phenolic acids by centrifugal partition chromatography. <i>Green Chemistry</i> , 2018 , 20, 1906-1916	10.6	18
192	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,	3.9	14
191	Separation of immunoglobulin G using aqueous biphasic systems composed of cholinium-based ionic liquids and poly(propylene glycol). <i>Journal of Chemical Technology and Biotechnology</i> , 2018 , 93, 1931-1939	3.5	17
190	An integrated process for enzymatic catalysis allowing product recovery and enzyme reuse by applying thermoreversible aqueous biphasic systems. <i>Green Chemistry</i> , 2018 , 20, 1218-1223	10	34
189	Extraction of recombinant proteins from Escherichia coli by cell disruption with aqueous solutions of surface-active compounds. <i>Journal of Chemical Technology and Biotechnology</i> , 2018 , 93, 1864-1870	3.5	16
188	Deep Eutectic Solvent Aqueous Solutions as Efficient Media for the Solubilization of Hardwood Xylans. <i>ChemSusChem</i> , 2018 , 11, 753-762	8.3	53
187	Potential of Aqueous Two-Phase Systems for the Separation of Levodopa from Similar Biomolecules. <i>Journal of Chemical Technology and Biotechnology</i> , 2018 , 93, 1940-1947	3.5	5
186	Extraction and recovery processes for cynaropicrin from Cynara cardunculus L. using aqueous solutions of surface-active ionic liquids. <i>Biophysical Reviews</i> , 2018 , 10, 915-925	3.7	14
185	Hydrogen bond basicity of ionic liquids and molar entropy of hydration of salts as major descriptors in the formation of aqueous biphasic systems. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 14234-14241	3.6	14
184	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	8.3	30

183	Simultaneous extraction and concentration of water pollution tracers using ionic-liquid-based systems. <i>Journal of Chromatography A</i> , 2018 , 1559, 69-77	4.5	18
182	Evaluation of the effect of ionic liquids as adjuvants in polymer-based aqueous biphasic systems using biomolecules as molecular probes. <i>Separation and Purification Technology</i> , 2018 , 196, 244-253	8.3	27
181	Stimuli responsive ion gels based on polysaccharides and other polymers prepared using ionic liquids and deep eutectic solvents. <i>Carbohydrate Polymers</i> , 2018 , 180, 328-336	10.3	36
180	Glycine-betaine ionic liquid analogues as novel phase-forming components of aqueous biphasic systems. <i>Biotechnology Progress</i> , 2018 , 34, 1205-1212	2.8	13
179	Aqueous two-phase systems formed by maltodextrin and acetonitrile: Phase diagrams and partitioning studies. <i>Fluid Phase Equilibria</i> , 2018 , 476, 179-185	2.5	9
178	Pioneering Use of Ionic Liquid-Based Aqueous Biphasic Systems as Membrane-Free Batteries. <i>Advanced Science</i> , 2018 , 5, 1800576	13.6	16
177	Application of Ionic Liquids in Separation and Fractionation Processes 2018 , 1-29		0
176	Cloud point extraction of chlorophylls from spinach leaves using aqueous solutions of non-ionic surfactants. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 590-599	8.3	36
175	Cholinium-based Good [®] buffers ionic liquids as remarkable stabilizers and recyclable preservation media for recombinant small RNAs. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 16645-16656	8.3	18
174	Enhanced separation performance of aqueous biphasic systems formed by carbohydrates and tetraalkylphosphonium- or tetraalkylammonium-based ionic liquids. <i>Green Chemistry</i> , 2018 , 20, 2978-2983	10	24
173	Effective separation of aromatic and aliphatic amino acids mixtures using ionic-liquid-based aqueous biphasic systems. <i>Green Chemistry</i> , 2017 , 19, 1850-1854	10	35
172	Removal of Non-Steroidal Anti-Inflammatory Drugs from Aqueous Environments with Reusable Ionic-Liquid-based Systems. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 2428-2436	8.3	34
171	Ionic-Liquid-Mediated Extraction and Separation Processes for Bioactive Compounds: Past, Present, and Future Trends. <i>Chemical Reviews</i> , 2017 , 117, 6984-7052	68.1	492
170	Good [®] 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	3.5	11
169	Alternative probe for the determination of the hydrogen-bond acidity of ionic liquids and their aqueous solutions. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 11011-11016	3.6	17
168	Enhanced extraction and biological activity of 7-hydroxymatairesinol obtained from Norway spruce knots using aqueous solutions of ionic liquids. <i>Green Chemistry</i> , 2017 , 19, 2626-2635	10	23
167	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	5.8	14
166	Switchable (pH-Driven) Aqueous Biphasic Systems formed by Ionic Liquids as Integrated Production-Separation Platforms. <i>Green Chemistry</i> , 2017 , 19, 2768-2773	10	22

165	Solvatochromic parameters of deep eutectic solvents formed by ammonium-based salts and carboxylic acids. <i>Fluid Phase Equilibria</i> , 2017 , 448, 15-21	2.5	71
164	Toward an Understanding of the Mechanisms behind the Formation of Liquid-liquid Systems formed by Two Ionic Liquids. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 3015-3019	6.4	17
163	A Triple Salting-Out Effect is Required for the Formation of Ionic-Liquid-Based Aqueous Multiphase Systems. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 15058-15062	16.4	13
162	Improved Monitoring of Aqueous Samples by the Concentration of Active Pharmaceutical Ingredients using Ionic-Liquid-based Systems. <i>Green Chemistry</i> , 2017 , 19, 4651-4659	10	23
161	Long-term protein packaging in bio-ionic liquids: Improved catalytic activity and enhanced stability of cytochrome C against multiple stresses. <i>Green Chemistry</i> , 2017 , 19, 4900-4911	10	63
160	Designing the thermal behaviour of aqueous biphasic systems composed of ammonium-based zwitterions. <i>Green Chemistry</i> , 2017 , 19, 4012-4016	10	21
159	Aqueous solutions of surface-active ionic liquids: remarkable alternative solvents to improve the solubility of triterpenic acids and their extraction from biomass. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 7344-7351	8.3	40
158	Single-step extraction of carotenoids from brown macroalgae using non-ionic surfactants. <i>Separation and Purification Technology</i> , 2017 , 172, 268-276	8.3	30
157	Deep Eutectic Solvents as Efficient Media for the Extraction and Recovery of Cynaropicrin from <i>Cynara cardunculus</i> L. Leaves. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	24
156	A Triple Salting-Out Effect is Required for the Formation of Ionic-Liquid-Based Aqueous Multiphase Systems. <i>Angewandte Chemie</i> , 2017 , 129, 15254-15258	3.6	2
155	Enhanced tunability afforded by aqueous biphasic systems formed by fluorinated ionic liquids and carbohydrates. <i>Green Chemistry</i> , 2016 , 18, 1070-1079	10	28
154	Suitability of bio-based ionic liquids for the extraction and purification of IgG antibodies. <i>Green Chemistry</i> , 2016 , 18, 6071-6081	10	53
153	Densities and Viscosities of Mixtures of Two Ionic Liquids Containing a Common Cation. <i>Journal of Chemical & Engineering Data</i> , 2016 , 61, 2828-2843	2.8	85
152	Thermoreversible (Ionic-Liquid-Based) Aqueous Biphasic Systems. <i>Scientific Reports</i> , 2016 , 6, 20276	4.9	52
151	Influence of Nanosegregation on the Surface Tension of Fluorinated Ionic Liquids. <i>Langmuir</i> , 2016 , 32, 6130-9	4	33
150	Solubility and solvation of monosaccharides in ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 19722-30	3.6	11
149	Why are some cyano-based ionic liquids better glucose solvents than water?. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 18958-70	3.6	11
148	Aqueous biphasic systems composed of ionic liquids and polypropylene glycol: insights into their liquid-liquid demixing mechanisms. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 20571-20582	3.6	40

147	Densities, Viscosities and Derived Thermophysical Properties of Water-Saturated Imidazolium-Based Ionic Liquids. <i>Fluid Phase Equilibria</i> , 2016 , 407, 188-196	2.5	54
146	Improved extraction of fluoroquinolones with recyclable ionic-liquid-based aqueous biphasic systems. <i>Green Chemistry</i> , 2016 , 18, 2717-2725	10	22
145	Structural insights into the effect of cholinium-based ionic liquids on the critical micellization temperature of aqueous triblock copolymers. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 8342-51	3.6	31
144	Fluorination effects on the thermodynamic, thermophysical and surface properties of ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2016 , 97, 354-361	2.9	35
143	Alkaloids as Alternative Probes To Characterize the Relative Hydrophobicity of Aqueous Biphasic Systems. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 1512-1520	8.3	38
142	Single-Step Purification of Ovalbumin from Egg White Using Aqueous Biphasic Systems. <i>Process Biochemistry</i> , 2016 , 51, 781-791	4.8	27
141	Aqueous Biphasic Systems Based on Ionic Liquids for Extraction, Concentration and Purification Approaches. <i>Green Chemistry and Sustainable Technology</i> , 2016 , 91-119	1.1	3
140	Surface Tensions of Ionic Liquids: Non-Regular Trend Along the Number of Cyano Groups. <i>Fluid Phase Equilibria</i> , 2016 , 409, 458-465	2.5	22
139	Ionic liquids in chromatographic and electrophoretic techniques: toward additional improvements in the separation of natural compounds. <i>Green Chemistry</i> , 2016 , 18, 4582-4604	10	42
138	The Effect of vs. Isomerization on the Thermophysical Properties of Aromatic and Non-aromatic Ionic Liquids. <i>Fluid Phase Equilibria</i> , 2016 , 423, 190-202	2.5	22
137	Are Aqueous Biphasic Systems Composed of Deep Eutectic Solvents Ternary or Quaternary Systems?. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 2881-2886	8.3	124
136	Improving the extraction and purification of immunoglobulin G by the use of ionic liquids as adjuvants in aqueous biphasic systems. <i>Journal of Biotechnology</i> , 2016 , 236, 166-175	3.7	49
135	A critical assessment of the mechanisms governing the formation of aqueous biphasic systems composed of protic ionic liquids and polyethylene glycol. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 30009-30019	3.6	15
134	Introduction to Ionic-Liquid-Based Aqueous Biphasic Systems (ABS). <i>Green Chemistry and Sustainable Technology</i> , 2016 , 1-25	1.1	3
133	Solid-liquid equilibria of binary mixtures of fluorinated ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 25741-50	3.6	21
132	One-step extraction and concentration of estrogens for an adequate monitoring of wastewater using ionic-liquid-based aqueous biphasic systems. <i>Green Chemistry</i> , 2015 , 17, 2570-2579	10	40
131	Effect of the Methylation and N-H Acidic Group on the Physicochemical Properties of Imidazolium-Based Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 8781-92	3.4	16
130	Hydrogen-bond acidity of ionic liquids: an extended scale. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 18980-90	3.6	82

129	Enhanced extraction of proteins using cholinium-based ionic liquids as phase-forming components of aqueous biphasic systems. <i>Biotechnology Journal</i> , 2015 , 10, 1457-66	5.6	79
128	Extraction and stability of bovine serum albumin (BSA) using cholinium-based GoodR buffers ionic liquids. <i>Process Biochemistry</i> , 2015 , 50, 1158-1166	4.8	56
127	Enhanced extraction of bovine serum albumin with aqueous biphasic systems of phosphonium- and ammonium-based ionic liquids. <i>Journal of Biotechnology</i> , 2015 , 206, 17-25	3.7	57
126	GoodR buffers as novel phase-forming components of ionic-liquid-based aqueous biphasic systems. <i>Biochemical Engineering Journal</i> , 2015 , 101, 142-149	4.2	20
125	Thermophysical properties of phosphonium-based ionic liquids. <i>Fluid Phase Equilibria</i> , 2015 , 400, 103-113	3.5	50
124	Aqueous biphasic systems composed of ionic liquids and acetate-based salts: phase diagrams, densities and viscosities. <i>Journal of Chemical & Engineering Data</i> , 2015 , 60, 1674-1682	2.8	33
123	Controlling the Formation of Ionic-Liquid-based Aqueous Biphasic Systems by Changing the Hydrogen-Bonding Ability of Polyethylene Glycol End Groups. <i>ChemPhysChem</i> , 2015 , 16, 2219-25	3.2	36
122	Comprehensive Study on the Impact of the Cation Alkyl Side Chain Length on the Solubility of Water in Ionic Liquids. <i>Journal of Molecular Liquids</i> , 2015 , 210, 264-271	6	33
121	Thermophysical properties of two ammonium-based protic ionic liquids. <i>Journal of Solution Chemistry</i> , 2015 , 44, 703-717	1.8	19
120	Contact angles and wettability of ionic liquids on polar and non-polar surfaces. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 31653-31661	3.6	54
119	Enhancing the antioxidant characteristics of phenolic acids by their conversion into cholinium salts. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 2558-2565	8.3	36
118	Effect of salts on the solubility of ionic liquids in water: experimental and electrolyte Perturbed-Chain Statistical Associating Fluid Theory. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 32044-32052	4.6	18
117	Poly(vinyl alcohol) as a novel constituent to form aqueous two-phase systems with acetonitrile: Phase diagrams and partitioning experiments. <i>Chemical Engineering Research and Design</i> , 2015 , 94, 317-323	5.5	19
116	The magic of aqueous solutions of ionic liquids: ionic liquids as a powerful class of catanionic hydrotropes. <i>Green Chemistry</i> , 2015 , 17, 3948-3963	10	126
115	Novel biocompatible and self-buffering ionic liquids for biopharmaceutical applications. <i>Chemistry - A European Journal</i> , 2015 , 21, 4781-8	4.8	88
114	Mutual solubilities between water and non-aromatic sulfonium-, ammonium- and phosphonium-hydrophobic ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 4569-77	3.6	45
113	CHAPTER 8:Ionic Liquids as Efficient Tools for the Purification of Biomolecules and Bioproducts from Natural Sources. <i>RSC Green Chemistry</i> , 2015 , 227-257	0.9	5
112	Extended scale for the hydrogen-bond basicity of ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 6593-601	3.6	189

111	Ionic liquids for thiols desulfurization: Experimental liquid-liquid equilibrium and COSMO-RS description. <i>Fuel</i> , 2014 , 128, 314-329	7.1	47
110	Inclusion complexes of ionic liquids and cyclodextrins: are they formed in the gas phase?. <i>Journal of the American Society for Mass Spectrometry</i> , 2014 , 25, 852-60	3.5	10
109	Vapor-Liquid Equilibria of Water + Alkylimidazolium-Based Ionic Liquids: Measurements and Perturbed-Chain Statistical Associating Fluid Theory Modeling. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 3737-3748	3.9	69
108	Cation alkyl side chain length and symmetry effects on the surface tension of ionic liquids. <i>Langmuir</i> , 2014 , 30, 6408-18	4	65
107	Complete removal of textile dyes from aqueous media using ionic-liquid-based aqueous two-phase systems. <i>Separation and Purification Technology</i> , 2014 , 128, 58-66	8.3	127
106	Analysis of the isomerism effect on the mutual solubilities of bis(trifluoromethylsulfonyl)imide-based ionic liquids with water. <i>Fluid Phase Equilibria</i> , 2014 , 381, 28-35	2.5	11
105	The impact of ionic liquid fluorinated moieties on their thermophysical properties and aqueous phase behaviour. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 21340-8	3.6	28
104	Good buffers as a basis for developing self-buffering and biocompatible ionic liquids for biological research. <i>Green Chemistry</i> , 2014 , 16, 3149-3159	10	84
103	Extraction and Recovery of Rutin from Acerola Waste using Alcohol-Salt-Based Aqueous Two-Phase Systems. <i>Separation Science and Technology</i> , 2014 , 49, 656-663	2.5	36
102	Development of back-extraction and recyclability routes for ionic-liquid-based aqueous two-phase systems. <i>Green Chemistry</i> , 2014 , 16, 259-268	10	84
101	"Washing-out" ionic liquids from polyethylene glycol to form aqueous biphasic systems. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 2271-4	3.6	20
100	Thermophysical properties of sulfonium- and ammonium-based ionic liquids. <i>Fluid Phase Equilibria</i> , 2014 , 381, 36-45	2.5	80
99	Aqueous Two-Phase Systems formed by Biocompatible and Biodegradable Polysaccharides and Acetonitrile. <i>Separation and Purification Technology</i> , 2014 , 136, 74-80	8.3	25
98	Generating Ionic Liquids from Ionic Solids: An Investigation of the Melting Behavior of Binary Mixtures of Ionic Liquids. <i>Crystal Growth and Design</i> , 2014 , 14, 4270-4277	3.5	34
97	The effect of the cation alkyl chain branching on mutual solubilities with water and toxicities. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 19952-63	3.6	56
96	Ionic liquid solutions as extractive solvents for value-added compounds from biomass. <i>Green Chemistry</i> , 2014 , 16, 4786-4815	10	289
95	Novel aqueous two-phase systems composed of acetonitrile and polyols: Phase diagrams and extractive performance. <i>Separation and Purification Technology</i> , 2014 , 124, 54-60	8.3	38
94	Effect of polyvalent ions in the formation of ionic-liquid-based aqueous biphasic systems. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 297-308	3.4	21

93	Molecular interactions in aqueous biphasic systems composed of polyethylene glycol and crystalline vs. liquid cholinium-based salts. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 5723-31	3.6	74
92	Evidence for the interactions occurring between ionic liquids and tetraethylene glycol in binary mixtures and aqueous biphasic systems. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 4615-29	3.4	16
91	Enhancing the adsorption of ionic liquids onto activated carbon by the addition of inorganic salts. <i>Chemical Engineering Journal</i> , 2014 , 252, 305-310	14.7	37
90	Impact of the cation symmetry on the mutual solubilities between water and imidazolium-based ionic liquids. <i>Fluid Phase Equilibria</i> , 2014 , 375, 161-167	2.5	22
89	Ionic liquids as additives to enhance the extraction of antioxidants in aqueous two-phase systems. <i>Separation and Purification Technology</i> , 2014 , 128, 1-10	8.3	106
88	Extraction of tetracycline from fermentation broth using aqueous two-phase systems composed of polyethylene glycol and cholinium-based salts. <i>Process Biochemistry</i> , 2013 , 48, 716-722	4.8	90
87	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	8.3	72
86	Alkylimidazolium based ionic liquids: impact of cation symmetry on their nanoscale structural organization. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 10889-97	3.4	168
85	Systematic study of the thermophysical properties of imidazolium-based ionic liquids with cyano-functionalized anions. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 10271-83	3.4	153
84	Aqueous two-phase systems based on acetonitrile and carbohydrates and their application to the extraction of vanillin. <i>Separation and Purification Technology</i> , 2013 , 104, 106-113	8.3	79
83	Solubility of non-aromatic hexafluorophosphate-based salts and ionic liquids in water determined by electrical conductivity. <i>Fluid Phase Equilibria</i> , 2013 , 358, 50-55	2.5	20
82	Composition and structural effects on the adsorption of ionic liquids onto activated carbon. <i>Environmental Sciences: Processes and Impacts</i> , 2013 , 15, 1752-9	4.3	28
81	Combining ionic liquids and polyethylene glycols to boost the hydrophobic-hydrophilic range of aqueous biphasic systems. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 19580-3	3.6	75
80	Aqueous biphasic systems: a benign route using cholinium-based ionic liquids. <i>RSC Advances</i> , 2013 , 3, 1835-1843	3.7	121
79	Aqueous biphasic systems composed of ionic liquids and sodium carbonate as enhanced routes for the extraction of tetracycline. <i>Biotechnology Progress</i> , 2013 , 29, 645-54	2.8	47
78	The impact of self-aggregation on the extraction of biomolecules in ionic-liquid-based aqueous two-phase systems. <i>Separation and Purification Technology</i> , 2013 , 108, 174-180	8.3	66
77	Surface tensions of binary mixtures of ionic liquids with bis(trifluoromethylsulfonyl)imide as the common anion. <i>Journal of Chemical Thermodynamics</i> , 2013 , 64, 22-27	2.9	43
76	Enhanced extraction of caffeine from guaranBeeds using aqueous solutions of ionic liquids. <i>Green Chemistry</i> , 2013 , 15, 2002	10	104

75	Surface tension and refractive index of pure and water-saturated tetradecyltriethylphosphonium-based ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2013 , 57, 372-379	5.2	74
74	Insight into the interactions that control the phase behaviour of new aqueous biphasic systems composed of polyethylene glycol polymers and ionic liquids. <i>Chemistry - A European Journal</i> , 2012 , 18, 1831-9	4.8	144
73	Density and Viscosity Data for Binary Mixtures of 1-Alkyl-3-methylimidazolium Alkylsulfates + Water. <i>Journal of Chemical & Engineering Data</i> , 2012 , 57, 3473-3482	2.8	38
72	Optimization of the gallic acid extraction using ionic-liquid-based aqueous two-phase systems. <i>Separation and Purification Technology</i> , 2012 , 97, 142-149	8.3	98
71	Ionic-liquid-based aqueous biphasic systems for improved detection of bisphenol A in human fluids. <i>Analytical Methods</i> , 2012 , 4, 2664	3.2	55
70	Partition Coefficients of Alkaloids in Biphasic Ionic-Liquid-Aqueous Systems and their Dependence on the Hofmeister Series. <i>Separation Science and Technology</i> , 2012 , 47, 284-291	2.5	31
69	Influence of the anion on the surface tension of 1-ethyl-3-methylimidazolium-based ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2012 , 54, 49-54	2.9	58
68	Evaluation of the impact of phosphate salts on the formation of ionic-liquid-based aqueous biphasic systems. <i>Journal of Chemical Thermodynamics</i> , 2012 , 54, 398-405	2.9	67
67	Characterization of aqueous biphasic systems composed of ionic liquids and a citrate-based biodegradable salt. <i>Biochemical Engineering Journal</i> , 2012 , 67, 68-76	4.2	85
66	Increased significance of food wastes: selective recovery of added-value compounds. <i>Food Chemistry</i> , 2012 , 135, 2453-61	8.5	51
65	Improved recovery of ionic liquids from contaminated aqueous streams using aluminium-based salts. <i>RSC Advances</i> , 2012 , 2, 10882	3.7	68
64	Thermophysical Properties of Five Acetate-Based Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2012 , 57, 3005-3013	2.8	126
63	Surface tension of binary mixtures of 1-alkyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide ionic liquids: experimental measurements and soft-SAFT modeling. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 12133-41	3.4	54
62	Growth and Chemical Stability of Copper Nanostructures on Cellulosic Fibers. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 5043-5049	2.3	34
61	Aqueous biphasic systems: a boost brought about by using ionic liquids. <i>Chemical Society Reviews</i> , 2012 , 41, 4966-95	58.5	610
60	Impact of self-aggregation on the formation of ionic-liquid-based aqueous biphasic systems. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 7660-8	3.4	51
59	Ionic-Liquid-Based Aqueous Biphasic Systems with Controlled pH: The Ionic Liquid Anion Effect. <i>Journal of Chemical & Engineering Data</i> , 2012 , 57, 507-512	2.8	60
58	Overview of the Liquid-Liquid Equilibria of Ternary Systems Composed of Ionic Liquid and Aromatic and Aliphatic Hydrocarbons, and Their Modeling by COSMO-RS. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 3483-3507	3.9	157

57	Role of the Hofmeister series in the formation of ionic-liquid-based aqueous biphasic systems. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 7252-8	3.4	161
56	Surface tension of ionic liquids and ionic liquid solutions. <i>Chemical Society Reviews</i> , 2012 , 41, 829-68	58.5	318
55	Thermophysical Characterization of Ionic Liquids Able To Dissolve Biomass. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 4813-4822	2.8	254
54	Ionic Liquid Based Aqueous Biphasic Systems with Controlled pH: The Ionic Liquid Cation Effect. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 4253-4260	2.8	89
53	Separation of ethanol/water mixtures by liquid-liquid extraction using phosphonium-based ionic liquids. <i>Green Chemistry</i> , 2011 , 13, 1517	10	113
52	Evaluation of cation-anion interaction strength in ionic liquids. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 4033-41	3.4	197
51	Electrospun nanosized cellulose fibers using ionic liquids at room temperature. <i>Green Chemistry</i> , 2011 , 13, 3173	10	111
50	An Overview of the Liquid-Liquid Equilibria of (Ionic Liquid + Hydrocarbon) Binary Systems and Their Modeling by the Conductor-like Screening Model for Real Solvents. <i>Industrial & Engineering Chemistry Research</i> , 2011 , 50, 5279-5294	3.9	139
49	Aqueous biphasic systems composed of a water-stable ionic liquid + carbohydrates and their applications. <i>Green Chemistry</i> , 2011 , 13, 1536	10	162
48	Design of ionic liquids for lipase purification. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011 , 879, 2679-87	3.2	80
47	Surface hydrophobization of bacterial and vegetable cellulose fibers using ionic liquids as solvent media and catalysts. <i>Green Chemistry</i> , 2011 , 13, 2464	10	61
46	Aqueous solubility, effects of salts on aqueous solubility, and partitioning behavior of hexafluorobenzene: experimental results and COSMO-RS predictions. <i>Chemosphere</i> , 2011 , 84, 415-22	8.4	14
45	Critical assessment of the formation of ionic-liquid-based aqueous two-phase systems in acidic media. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 11145-53	3.4	79
44	Thermophysical properties of pure and water-saturated tetradecyltrihexylphosphonium-based ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2011 , 43, 948-957	2.9	140
43	Ionic liquids as adjuvants for the tailored extraction of biomolecules in aqueous biphasic systems. <i>Green Chemistry</i> , 2010 , 12, 1661	10	154
42	¹ H NMR and molecular dynamics evidence for an unexpected interaction on the origin of salting-in/salting-out phenomena. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 2004-14	3.4	109
41	Hydrolysis of tetrafluoroborate and hexafluorophosphate counter ions in imidazolium-based ionic liquids. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 3744-9	2.8	475
40	High-performance extraction of alkaloids using aqueous two-phase systems with ionic liquids. <i>Green Chemistry</i> , 2010 , 12, 1715	10	194

39	Thermophysical Properties and Water Saturation of [PF ₆]-Based Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 5065-5073	2.8	70
38	Extraction of biomolecules using phosphonium-based ionic liquids + K ₃ PO ₄ aqueous biphasic systems. <i>International Journal of Molecular Sciences</i> , 2010 , 11, 1777-91	6.3	165
37	Structural and Positional Isomerism Influence in the Physical Properties of Pyridinium NTf ₂ -Based Ionic Liquids: Pure and Water-Saturated Mixtures <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 4514-4520	2.8	104
36	Mutual solubility of water and structural/positional isomers of N-alkylpyridinium-based ionic liquids. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 15925-34	3.4	69
35	Solubility of Adamantane in Phosphonium-Based Ionic Liquids <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 662-665	2.8	19
34	(Extraction of biomolecules using) aqueous biphasic systems formed by ionic liquids and aminoacids. <i>Separation and Purification Technology</i> , 2010 , 72, 85-91	8.3	122
33	Tryptophan extraction using hydrophobic ionic liquids. <i>Separation and Purification Technology</i> , 2010 , 72, 167-173	8.3	111
32	Extraction of vanillin using ionic-liquid-based aqueous two-phase systems. <i>Separation and Purification Technology</i> , 2010 , 75, 39-47	8.3	163
31	Solubility of water in fluorocarbons: Experimental and COSMO-RS prediction results. <i>Journal of Chemical Thermodynamics</i> , 2010 , 42, 213-219	2.9	34
30	Solubility of non-aromatic ionic liquids in water and correlation using a QSPR approach. <i>Fluid Phase Equilibria</i> , 2010 , 294, 234-240	2.5	73
29	Towards an understanding of the mutual solubilities of water and hydrophobic ionic liquids in the presence of salts: the anion effect. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 2815-25	3.4	76
28	Evaluation of cation influence on the formation and extraction capability of ionic-liquid-based aqueous biphasic systems. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 5194-9	3.4	221
27	Ion specific effects on the mutual solubilities of water and hydrophobic ionic liquids. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 202-11	3.4	168
26	On the interactions between amino acids and ionic liquids in aqueous media. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 13971-9	3.4	52
25	Evaluation of anion influence on the formation and extraction capacity of ionic-liquid-based aqueous biphasic systems. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 9304-10	3.4	264
24	Mutual solubilities of water and the [C(n)mim][Tf(2)N] hydrophobic ionic liquids. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 1604-10	3.4	289
23	Densities and Derived Thermodynamic Properties of Imidazolium-, Pyridinium-, Pyrrolidinium-, and Piperidinium-Based Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 805-811	2.8	216
22	Measurements and Correlation of High-Pressure Densities of Imidazolium-Based Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 1914-1921	2.8	123

21	Solubility of Water in Tetradecyltrihexylphosphonium-Based Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 2378-2382	2.8	101
20	Surface Tensions for the 1-Alkyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 1346-1350	2.8	186
19	Viscosities of Liquid Fluorocompounds. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 538-542	2.8	26
18	Optimization of oxygen mass transfer in a multiphase bioreactor with perfluorodecalin as a second liquid phase. <i>Biotechnology and Bioengineering</i> , 2008 , 99, 588-98	4.9	57
17	Aging mechanisms of oil-in-water emulsions based on a bioemulsifier produced by <i>Yarrowia lipolytica</i> . <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008 , 324, 149-154	5.1	21
16	Evaluation of COSMO-RS for the prediction of LLE and VLE of water and ionic liquids binary systems. <i>Fluid Phase Equilibria</i> , 2008 , 268, 74-84	2.5	127
15	Modeling the Liquid-Liquid Equilibria of Water + Fluorocarbons with the Cubic-Plus-Association Equation of State. <i>Industrial & Engineering Chemistry Research</i> , 2007 , 46, 1415-1420	3.9	19
14	Evaluation of COSMO-RS for the prediction of LLE and VLE of alcohols+ionic liquids. <i>Fluid Phase Equilibria</i> , 2007 , 255, 167-178	2.5	118
13	An overview of the mutual solubilities of water-imidazolium-based ionic liquids systems. <i>Fluid Phase Equilibria</i> , 2007 , 261, 449-454	2.5	265
12	Surface tensions of imidazolium based ionic liquids: anion, cation, temperature and water effect. <i>Journal of Colloid and Interface Science</i> , 2007 , 314, 621-30	9.3	369
11	Mutual solubilities of water and hydrophobic ionic liquids. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 13082-9	3.4	347
10	ρ^E Measurements of Imidazolium-Based Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2007 , 52, 1881-1888	2.8	257
9	High-Pressure Densities and Derived Thermodynamic Properties of Imidazolium-Based Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2007 , 52, 80-88	2.8	357
8	Surface Tension of Liquid Fluorocompounds. <i>Journal of Chemical & Engineering Data</i> , 2006 , 51, 1820-1824	2.8	52
7	Water solubility in linear fluoroalkanes used in blood substitute formulations. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 22923-9	3.4	31
6	Solubility of Hexafluorobenzene in Aqueous Salt Solutions from (280 to 340) K. <i>Journal of Chemical & Engineering Data</i> , 2005 , 50, 237-242	2.8	24
5	Enzymatic method for determining oxygen solubility in perfluorocarbon emulsions. <i>Fluid Phase Equilibria</i> , 2005 , 231, 109-113	2.5	17
4	Aging mechanisms of perfluorocarbon emulsions using image analysis. <i>Journal of Colloid and Interface Science</i> , 2005 , 286, 224-32	9.3	62

3	Solubility of oxygen in liquid perfluorocarbons. <i>Fluid Phase Equilibria</i> , 2004 , 222-223, 325-330	2.5	75
2	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> ,	8.3	2
1	Overview on Protein Extraction and Purification Using Ionic-Liquid-Based Processes. <i>Journal of Solution Chemistry</i> , ¹	1.8	3