

# Isabel M Marrucho

## 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.

258 papers	17,289 citations	73 h-index	121 g-index
268 ext. papers	19,045 ext. citations	5.2 avg, IF	6.9 L-index

#	Paper	IF	Citations
258	Processing of poly(ionic liquid) ionic liquid membranes using femtosecond (fs) laser radiation: Effect on CO <sub>2</sub> separation performance. <i>Journal of Membrane Science</i> , <b>2022</b> , 642, 119903	9.6	0
257	OPTICAL AND SPECTROSCOPIC PROPERTIES <b>2022</b> , 115-133		
256	Fluoroquinolone-Based Organic Salts and Ionic Liquids as Highly Bioavailable Broad-Spectrum Antimicrobials. <i>Proceedings (mdpi)</i> , <b>2021</b> , 78, 3	0.3	0
255	Deep desulfurization of fuels: Are deep eutectic solvents the alternative for ionic liquids?. <i>Fuel</i> , <b>2021</b> , 293, 120297	7.1	12
254	Sodium Hexanoate and Dodecanoate Salt-Based Eutectic Solvents: Density, Viscosity, and Kamlet-Reif Parameters. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2021</b> , 66, 2793-2802	2.8	0
253	Beneficial and detrimental effects of choline chloride-oxalic acid deep eutectic solvent on biogas production. <i>Waste Management</i> , <b>2021</b> , 131, 368-375	8.6	3
252	Screening polymeric ionic liquids for chromatography-based purification of bacteriophage M13. <i>Separation and Purification Technology</i> , <b>2021</b> , 257, 117906	8.3	1
251	CO <sub>2</sub> /H <sub>2</sub> separation through poly(ionic liquid) ionic liquid membranes: The effect of multicomponent gas mixtures, temperature and gas feed pressure. <i>Separation and Purification Technology</i> , <b>2021</b> , 259, 118113	8.3	22
250	Mesoporous silica nanoparticles with manganese and lanthanide salts: synthesis, characterization and cytotoxicity studies. <i>Dalton Transactions</i> , <b>2021</b> , 50, 8588-8599	4.3	
249	Ionic liquid-based semi-interpenetrating polymer network (sIPN) membranes for CO <sub>2</sub> separation. <i>Separation and Purification Technology</i> , <b>2021</b> , 274, 118437	8.3	4
248	Dual nanofibrillar-based bio-sorbent films composed of nanocellulose and lysozyme nanofibrils for mercury removal from spring waters. <i>Carbohydrate Polymers</i> , <b>2020</b> , 238, 116210	10.3	16
247	Poly(ionic liquid) ionic Liquid Membranes with Fluorosulfonyl-Derived Anions: Characterization and Biohydrogen Separation. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 7087-7096	8.3	9
246	Tuning the miscibility of water in imide-based ionic liquids. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 25236-25242	3.6	3
245	Vapor Pressure Assessment of Sulfolane-Based Eutectic Solvents: Experimental, PC-SAFT, and Molecular Dynamics. <i>Journal of Physical Chemistry B</i> , <b>2020</b> , 124, 10386-10397	3.4	5
244	Molecular Dynamics Insights and Water Stability of Hydrophobic Deep Eutectic Solvents Aided Extraction of Nitenpyram from an Aqueous Environment. <i>Journal of Physical Chemistry B</i> , <b>2020</b> , 124, 7403-7420 <sup>23</sup>	3.4	23
243	Novel Acidic Deep Eutectic Solvent-Based Aqueous Biphasic Systems for Efficient Extraction of Pepsin. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 12400-12408	8.3	14
242	Purification of virus-like particles using aqueous biphasic systems composed of natural deep eutectic solvents. <i>Separation and Purification Technology</i> , <b>2020</b> , 252, 117480	8.3	10

241	Antimicrobial Activities of Highly Bioavailable Organic Salts and Ionic Liquids from Fluoroquinolones. <i>Pharmaceutics</i> , <b>2020</b> , 12,	6.4	15
240	Enzyme-assisted extraction of carotenoids and phenolic compounds from sunflower wastes using green solvents. <i>3 Biotech</i> , <b>2020</b> , 10, 405	2.8	9
239	Thin Porous Poly(ionic liquid) Coatings for Enhanced Headspace Solid Phase Microextraction. <i>Polymers</i> , <b>2020</b> , 12,	4.5	5
238	Supported ionic liquids as efficient materials to remove non-steroidal anti-inflammatory drugs from aqueous media. <i>Chemical Engineering Journal</i> , <b>2020</b> , 381, 122616	14.7	26
237	Influence of Betaine- and Choline-based Eutectic Solvents on Lipase Activity. <i>Current Biochemical Engineering</i> , <b>2019</b> , 5, 57-68	2	2
236	Poly(ionic liquids) in solid phase microextraction: Recent advances and perspectives. <i>Progress in Polymer Science</i> , <b>2019</b> , 98, 101148	29.6	22
235	Ionic Liquid with Silyl Substituted Cation: Thermophysical and CO <sub>2</sub> /N <sub>2</sub> Permeation Properties. <i>Israel Journal of Chemistry</i> , <b>2019</b> , 59, 852-865	3.4	3
234	Poly(ionic liquid) embedded particles as efficient solid phase microextraction phases of polar and aromatic analytes. <i>Talanta</i> , <b>2019</b> , 198, 193-199	6.2	11
233	Concurrent Desulfurization and Denitrogenation of Fuels Using Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 11341-11349	8.3	37
232	Poly(ionic liquid)-based engineered mixed matrix membranes for CO <sub>2</sub> /H <sub>2</sub> separation. <i>Separation and Purification Technology</i> , <b>2019</b> , 222, 168-176	8.3	29
231	Hydrophobic Deep Eutectic Solvents: A Circular Approach to Purify Water Contaminated with Ciprofloxacin. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 14739-14746	8.3	42
230	High-throughput screening of aqueous biphasic systems with ionic liquids as additives for extraction and purification of enveloped virus-like particles. <i>Engineering Reports</i> , <b>2019</b> , 1, e12030	1.2	4
229	Surface Tension of dl-Menthol:Octanoic Acid Eutectic Mixtures. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2019</b> , 64, 4915-4923	2.8	13
228	Quest for Green-Solvent Design: From Hydrophilic to Hydrophobic (Deep) Eutectic Solvents. <i>ChemSusChem</i> , <b>2019</b> , 12, 1549-1559	8.3	138
227	Neat ionic liquids versus ionic liquid mixtures: a combination of experimental data and molecular simulation. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 23305-23309	3.6	10
226	On the use of ionic liquids as adjuvants in PEG-(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> aqueous biphasic systems: Phase diagrams behavior and the effect of IL concentration on myoglobin partition. <i>Separation and Purification Technology</i> , <b>2019</b> , 210, 710-718	8.3	23
225	Imidazolium-Based Copoly(Ionic Liquid) Membranes for CO <sub>2</sub> /N <sub>2</sub> Separation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 2017-2026	3.9	18
224	Deep eutectic solvents: overcoming 21st century challenges. <i>Current Opinion in Green and Sustainable Chemistry</i> , <b>2019</b> , 18, 31-36	7.9	91

223	Mixing poly(ionic liquid)s and ionic liquids with different cyano anions: Membrane forming ability and CO <sub>2</sub> /N <sub>2</sub> separation properties. <i>Journal of Membrane Science</i> , <b>2018</b> , 552, 341-348	9.6	33
222	From Phase Change Materials to Green Solvents: Hydrophobic Low Viscous Fatty AcidBased Deep Eutectic Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 3888-3895	8.3	163
221	Effect of polymer molecular weight on the physical properties and CO <sub>2</sub> /N <sub>2</sub> separation of pyrrolidinium-based poly(ionic liquid) membranes. <i>Journal of Membrane Science</i> , <b>2018</b> , 549, 267-274	9.6	36
220	Tuning lysozyme nanofibers dimensions using deep eutectic solvents for improved reinforcement ability. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 115, 518-527	7.9	12
219	Layer-by-layer coated imidazolium Bstyrene copolymers fibers for improved headspace-solid phase microextraction analysis of aromatic compounds. <i>Reactive and Functional Polymers</i> , <b>2018</b> , 125, 93-100	4.6	6
218	Towards a sulfur clean fuel: Deep extraction of thiophene and dibenzothiophene using polyethylene glycol-based deep eutectic solvents. <i>Fuel</i> , <b>2018</b> , 234, 414-421	7.1	66
217	Ionic liquids as promoters of fast lysozyme fibrillation. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 272, 456-467	6	11
216	Supramolecular hydrogel based on a sodium deep eutectic solvent. <i>Chemical Communications</i> , <b>2018</b> , 54, 7527-7530	5.8	24
215	Pullulan-based nanocomposite films for functional food packaging: Exploiting lysozyme nanofibers as antibacterial and antioxidant reinforcing additives. <i>Food Hydrocolloids</i> , <b>2018</b> , 77, 921-930	10.6	81
214	M13 bacteriophage purification using poly(ionic liquids) as alternative separation matrices. <i>Journal of Chromatography A</i> , <b>2018</b> , 1532, 246-250	4.5	7
213	Towards Biohydrogen Separation Using Poly(Ionic Liquid)/Ionic Liquid Composite Membranes. <i>Membranes</i> , <b>2018</b> , 8,	3.8	16
212	Removal of Non-Steroidal Anti-Inflammatory Drugs from Aqueous Environments with Reusable Ionic-Liquid-based Systems. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 2428-2436	8.3	34
211	Study on Gas Permeation and CO <sub>2</sub> Separation through Ionic Liquid-Based Membranes with Siloxane-Functionalized Cations. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2017</b> , 56, 2229-2239	3.9	18
210	Aqueous Biphasic Systems of Pyrrolidinium Ionic Liquids with Organic Acid-Derived Anions and K <sub>3</sub> PO <sub>4</sub> . <i>Journal of Chemical &amp; Engineering Data</i> , <b>2017</b> , 62, 1182-1188	2.8	5
209	Membranes with a low loading of MetalOrganic Framework-Supported Ionic Liquids for CO <sub>2</sub> /N <sub>2</sub> separation in CO <sub>2</sub> capture. <i>Energy Technology</i> , <b>2017</b> , 5, 2158-2162	3.5	19
208	Highly water soluble room temperature superionic liquids of APIs. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 6986-6990	3.6	7
207	Development of hydrophobic deep eutectic solvents for extraction of pesticides from aqueous environments. <i>Fluid Phase Equilibria</i> , <b>2017</b> , 448, 135-142	2.5	206
206	Exploring the effect of fluorinated anions on the CO/N separation of supported ionic liquid membranes. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 28876-28884	3.6	20

205	Improved Monitoring of Aqueous Samples by the Concentration of Active Pharmaceutical Ingredients using Ionic-Liquid-based Systems. <i>Green Chemistry</i> , <b>2017</b> , 19, 4651-4659	10	23
204	Carbohydrates-based deep eutectic solvents: Thermophysical properties and rice straw dissolution. <i>Journal of Molecular Liquids</i> , <b>2017</b> , 247, 441-447	6	53
203	Ionic liquids with anions based on fluorosulfonyl derivatives: from asymmetrical substitutions to a consistent force field model. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 29617-29624	3.6	32
202	Expanding the Applicability of Poly(Ionic Liquids) in Solid Phase Microextraction: Pyrrolidinium Coatings. <i>Materials</i> , <b>2017</b> , 10,	3.5	11
201	A closer look into deep eutectic solvents: exploring intermolecular interactions using solvatochromic probes. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 20, 206-213	3.6	75
200	Thermodynamic Study of Aggregation of Cholinium Perfluoroalkanoate Ionic Liquids. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2016</b> , 61, 3979-3988	2.8	8
199	Densities and Viscosities of Mixtures of Two Ionic Liquids Containing a Common Cation. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2016</b> , 61, 2828-2843	2.8	85
198	Improved extraction of fluoroquinolones with recyclable ionic-liquid-based aqueous biphasic systems. <i>Green Chemistry</i> , <b>2016</b> , 18, 2717-2725	10	22
197	Towards the potential of cyano and amino acid-based ionic liquid mixtures for facilitated CO <sub>2</sub> transport membranes. <i>Journal of Membrane Science</i> , <b>2016</b> , 510, 174-181	9.6	24
196	Ionic liquid-based materials: a platform to design engineered CO <sub>2</sub> separation membranes. <i>Chemical Society Reviews</i> , <b>2016</b> , 45, 2785-824	58.5	271
195	Aqueous Biphasic Systems Based on Ionic Liquids for Extraction, Concentration and Purification Approaches. <i>Green Chemistry and Sustainable Technology</i> , <b>2016</b> , 91-119	1.1	3
194	Mixtures of the 1-ethyl-3-methylimidazolium acetate ionic liquid with different inorganic salts: insights into their interactions. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 2756-66	3.6	11
193	Turning into poly(ionic liquid)s as a tool for polyimide modification: synthesis, characterization and CO <sub>2</sub> separation properties. <i>Polymer Chemistry</i> , <b>2016</b> , 7, 580-591	4.9	68
192	Density, Viscosity, and Refractive Index of Ionic Liquid Mixtures Containing Cyano and Amino Acid-Based Anions. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2016</b> , 61, 83-93	2.8	46
191	Designing high ionicity ionic liquids based on 1-ethyl-3-methylimidazolium ethyl sulphate for effective azeotrope breaking. <i>Fluid Phase Equilibria</i> , <b>2016</b> , 419, 57-66	2.5	9
190	New Low-Toxicity Cholinium-Based Ionic Liquids with Perfluoroalkanoate Anions for Aqueous Biphasic System Implementation. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 2670-2679	8.3	50
189	Improving the Separation of n-Heptane + Ethanol Azeotropic Mixtures Combining Ionic Liquid 1-Ethyl-3-methylimidazolium Acetate with Different Inorganic Salts. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2016</b> , 55, 5965-5972	3.9	9
188	Deep Eutectic Solvents as Azeotrope Breakers: Liquid-Liquid Extraction and COSMO-RS Prediction. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 5640-5650	8.3	82

187	Production of lysozyme nanofibers using deep eutectic solvent aqueous solutions. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2016</b> , 147, 36-44	6	25
186	Bioactive transparent films based on polysaccharides and cholinium carboxylate ionic liquids. <i>Green Chemistry</i> , <b>2015</b> , 17, 4291-4299	10	36
185	A thermophysical and structural characterization of ionic liquids with alkyl and perfluoroalkyl side chains. <i>RSC Advances</i> , <b>2015</b> , 5, 65337-65350	3.7	55
184	Polymeric ionic liquid-based membranes: Influence of polycation variation on gas transport and CO <sub>2</sub> selectivity properties. <i>Journal of Membrane Science</i> , <b>2015</b> , 486, 40-48	9.6	81
183	Novel pyrrolidinium-based polymeric ionic liquids with cyano counter-anions: High performance membrane materials for post-combustion CO <sub>2</sub> separation. <i>Journal of Membrane Science</i> , <b>2015</b> , 483, 155-165	9.6	72
182	Poly(ionic liquid)s as phase splitting promoters in aqueous biphasic systems. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 27462-72	3.6	10
181	Menthol-based Eutectic Mixtures: Hydrophobic Low Viscosity Solvents. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2015</b> , 3, 2469-2477	8.3	261
180	Phase equilibria and surfactant behavior of fluorinated ionic liquids with water. <i>Journal of Chemical Thermodynamics</i> , <b>2015</b> , 82, 99-107	2.9	22
179	Antitumor Activity of Ionic Liquids Based on Ampicillin. <i>ChemMedChem</i> , <b>2015</b> , 10, 1480-3	3.7	47
178	Separation of azeotropic mixtures using high ionicity ionic liquids based on 1-ethyl-3-methylimidazolium thiocyanate. <i>Fluid Phase Equilibria</i> , <b>2015</b> , 389, 48-54	2.5	31
177	Influence of Different Inorganic Salts on the Ionicity and Thermophysical Properties of 1-Ethyl-3-methylimidazolium Acetate Ionic Liquid. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2015</b> , 60, 781-789	2.8	17
176	Aggregation behavior and total miscibility of fluorinated ionic liquids in water. <i>Langmuir</i> , <b>2015</b> , 31, 1283-1295	4.5	49
175	The role of water in cholinium carboxylate ionic liquid aqueous solutions. <i>Journal of Chemical Thermodynamics</i> , <b>2015</b> , 84, 93-100	2.9	22
174	Poly(ionic liquid)s: Designing CO <sub>2</sub> Separation Membranes <b>2015</b> , 267-295		
173	The impact of ionic liquid fluorinated moieties on their thermophysical properties and aqueous phase behaviour. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 21340-8	3.6	28
172	Playing with ionic liquid mixtures to design engineered CO <sub>2</sub> separation membranes. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 17172-82	3.6	62
171	Polymeric ionic liquid membranes containing ILAg <sup>+</sup> for ethylene/ethane separation via olefin-facilitated transport. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 5631	13	65
170	Understanding the Role of Cholinium Carboxylate Ionic Liquids in PEG-Based Aqueous Biphasic Systems. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2014</b> , 2, 2426-2434	8.3	53



169	Insights into the Synthesis and Properties of Deep Eutectic Solvents Based on Cholinium Chloride and Carboxylic Acids. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2014</b> , 2, 2416-2425	8.3	391
168	Structural/Functional evaluation of ionic liquid libraries for the design of co-solvents in lipase-catalysed reactions. <i>Green Chemistry</i> , <b>2014</b> , 16, 4520-4523	10	33
167	Ionic liquids in pharmaceutical applications. <i>Annual Review of Chemical and Biomolecular Engineering</i> , <b>2014</b> , 5, 527-46	8.9	269
166	Protein-based materials: from sources to innovative sustainable materials for biomedical applications. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 3715-3740	7.3	109
165	Cholinium-based ionic liquids with pharmaceutically active anions. <i>RSC Advances</i> , <b>2014</b> , 4, 28126-28132	3.7	71
164	Cholinium Lactate Methacrylate: Ionic Liquid Monomer for Cellulose Composites and Biocompatible Ion Gels. <i>Macromolecular Symposia</i> , <b>2014</b> , 342, 21-24	0.8	8
163	Cholinium-based supported ionic liquid membranes: a sustainable route for carbon dioxide separation. <i>ChemSusChem</i> , <b>2014</b> , 7, 110-3	8.3	62
162	Novel organic salts based on fluoroquinolone drugs: synthesis, bioavailability and toxicological profiles. <i>International Journal of Pharmaceutics</i> , <b>2014</b> , 469, 179-89	6.5	36
161	Pyrrolidinium-based polymeric ionic liquid materials: New perspectives for CO <sub>2</sub> separation membranes. <i>Journal of Membrane Science</i> , <b>2013</b> , 428, 260-266	9.6	136
160	CO <sub>2</sub> separation applying ionic liquid mixtures: the effect of mixing different anions on gas permeation through supported ionic liquid membranes. <i>RSC Advances</i> , <b>2013</b> , 3, 12220	3.7	80
159	Extraction of saponins from sisal ( <i>Agave sisalana</i> ) and juçuziphus ( <i>Ziziphus joazeiro</i> ) with cholinium-based ionic liquids and deep eutectic solvents. <i>European Food Research and Technology</i> , <b>2013</b> , 237, 965-975	3.4	37
158	Systematic study of the thermophysical properties of imidazolium-based ionic liquids with cyano-functionalized anions. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 10271-83	3.4	153
157	High ionicity ionic liquids (HILs): comparing the effect of ethylsulfonate and ethylsulfate anions. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 18138-47	3.6	19
156	On the formation of a third, nanostructured domain in ionic liquids. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 10826-33	3.4	84
155	Ionic Liquids as Additives for Extraction of Saponins and Polyphenols from Mate ( <i>Ilex paraguariensis</i> ) and Tea ( <i>Camellia sinensis</i> ). <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 12146-12153	3.9	46
154	Evaluation of solubility and partition properties of ampicillin-based ionic liquids. <i>International Journal of Pharmaceutics</i> , <b>2013</b> , 456, 553-9	6.5	72
153	(Liquid+liquid) equilibria of perfluorocarbons with fluorinated ionic liquids. <i>Journal of Chemical Thermodynamics</i> , <b>2013</b> , 64, 71-79	2.9	17
152	Polymeric ionic liquids with mixtures of counter-anions: a new straightforward strategy for designing pyrrolidinium-based CO <sub>2</sub> separation membranes. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 10403	13	56

151	Effect of natural and synthetic antioxidants incorporation on the gas permeation properties of poly(lactic acid) films. <i>Journal of Food Engineering</i> , <b>2013</b> , 116, 562-571	6	28
150	Aqueous biphasic systems: a benign route using cholinium-based ionic liquids. <i>RSC Advances</i> , <b>2013</b> , 3, 1835-1843	3.7	121
149	Cholinium-Based Poly(ionic liquid)s: Synthesis, Characterization, and Application as Biocompatible Ion Gels and Cellulose Coatings.. <i>ACS Macro Letters</i> , <b>2013</b> , 2, 975-979	6.6	59
148	Gas Permeation Properties of Fluorinated Ionic Liquids. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 4994-5001	3.9	50
147	Fluorinated Ionic Liquids: Properties and Applications. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2013</b> , 1, 427-439	8.3	122
146	Deep eutectic solvents as extraction media for azeotropic mixtures. <i>Green Chemistry</i> , <b>2013</b> , 15, 1326	10	109
145	Hydrogen-bonding and the dissolution mechanism of uracil in an acetate ionic liquid: new insights from NMR spectroscopy and quantum chemical calculations. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 4109-20	3.4	26
144	Ionic liquids based aqueous biphasic systems: Effect of the alkyl chains in the cation versus in the anion. <i>Journal of Chemical Thermodynamics</i> , <b>2013</b> , 65, 106-112	2.9	15
143	Synthesis, characterization, and liposome partition of a novel tetracycline derivative using the ionic liquids framework. <i>Journal of Pharmaceutical Sciences</i> , <b>2013</b> , 102, 1504-12	3.9	27
142	The role of nanocellulose fibers, starch and chitosan on multipolysaccharide based films. <i>Cellulose</i> , <b>2013</b> , 20, 1807-1818	5.5	54
141	Nucleic acid bases in 1-alkyl-3-methylimidazolium acetate ionic liquids: A thermophysical and ionic conductivity analysis. <i>Journal of Chemical Thermodynamics</i> , <b>2013</b> , 57, 1-8	2.9	59
140	Extraction of l-lactic, l-malic, and succinic acids using phosphonium-based ionic liquids. <i>Separation and Purification Technology</i> , <b>2012</b> , 85, 137-146	8.3	112
139	Ionic liquids in separations of azeotropic systems I A review. <i>Journal of Chemical Thermodynamics</i> , <b>2012</b> , 46, 2-28	2.9	359
138	Density and Viscosity Data for Binary Mixtures of 1-Alkyl-3-methylimidazolium Alkylsulfates + Water. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2012</b> , 57, 3473-3482	2.8	38
137	Inorganic salts in purely ionic liquid media: the development of High Ionicity Ionic Liquids (HIILs). <i>Chemical Communications</i> , <b>2012</b> , 48, 3656-8	5.8	82
136	Mass Spectrometric Studies on Ionic Liquid Aggregates <b>2012</b> , 49-61		
135	New CO <sub>2</sub> Separation Membranes based on Pyrrolidinium Ionic Materials. <i>Procedia Engineering</i> , <b>2012</b> , 44, 1583-1584		
134	Partition Coefficients of Alkaloids in Biphasic Ionic-Liquid-Aqueous Systems and their Dependence on the Hofmeister Series. <i>Separation Science and Technology</i> , <b>2012</b> , 47, 284-291	2.5	31



133	Liquid-liquid equilibrium of cholinium-derived bistriflimide ionic liquids with water and octanol. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 9186-95	3.4	29
132	Solubility of inorganic salts in pure ionic liquids. <i>Journal of Chemical Thermodynamics</i> , <b>2012</b> , 55, 29-36	2.9	62
131	Aqueous biphasic systems: a boost brought about by using ionic liquids. <i>Chemical Society Reviews</i> , <b>2012</b> , 41, 4966-95	58.5	610
130	Novel polymer electrolytes based on gelatin and ionic liquids. <i>Optical Materials</i> , <b>2012</b> , 35, 187-195	3.3	43
129	Extraction of <i>Candida antarctica</i> lipase A from aqueous solutions using imidazolium-based ionic liquids. <i>Separation and Purification Technology</i> , <b>2012</b> , 97, 205-210	8.3	50
128	Impact of self-aggregation on the formation of ionic-liquid-based aqueous biphasic systems. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 7660-8	3.4	51
127	Development of novel ionic liquids based on ampicillin. <i>MedChemComm</i> , <b>2012</b> , 3, 494	5	83
126	Density, thermal expansion and viscosity of cholinium-derived ionic liquids. <i>ChemPhysChem</i> , <b>2012</b> , 13, 1902-9	3.2	75
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