

# Francisca A E Silva

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

1,894  
citations

393982

19  
h-index

552369

26  
g-index

29  
all docs

29  
docs citations

29  
times ranked

2149  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Environmental safety of cholinium-based ionic liquids: assessing structure-ecotoxicity relationships. <i>Green Chemistry</i> , 2015, 17, 4657-4668.	4.6	115
4	Novel Biocompatible and Self-buffering Ionic Liquids for Biopharmaceutical Applications. <i>Chemistry - A European Journal</i> , 2015, 21, 4781-4788.	1.7	96
5	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
6	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
7	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
8	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
9	Effect of the organic loading rate on the production of polyhydroxyalkanoates in a multi-stage process aimed at the valorization of olive oil mill wastewater. <i>International Journal of Biological Macromolecules</i> , 2014, 71, 34-41.	3.6	56
10	Recovery of paracetamol from pharmaceutical wastes. <i>Separation and Purification Technology</i> , 2014, 122, 315-322.	3.9	47
11	Evaluating Self-buffering Ionic Liquids for Biotechnological Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 3420-3428.	3.2	46
12	Insights into coacervative and dispersive liquid-phase microextraction strategies with hydrophilic media - A review. <i>Analytica Chimica Acta</i> , 2021, 1143, 225-249.	2.6	45
13	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
14	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
15	Ionic liquids as a novel class of electrolytes in polymeric aqueous biphasic systems. <i>Process Biochemistry</i> , 2015, 50, 661-668.	1.8	34
16	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
17	Recovery of ibuprofen from pharmaceutical wastes using ionic liquids. <i>Green Chemistry</i> , 2016, 18, 3749-3757.	4.6	27
18	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

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19	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
20	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
21	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
22	Measurement and Prediction of Densities of Vegetable Oils at Pressures up to 45 MPa. <i>Journal of Chemical &amp; Engineering Data</i> , 2013, 58, 3046-3053.	1.0	13
23	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
24	Amino-acid-based chiral ionic liquids characterization and application in aqueous biphasic systems. <i>Fluid Phase Equilibria</i> , 2021, 542-543, 113091.	1.4	10
25	Aquatic Toxicology of Ionic Liquids (ILs). , 2019, , 1-18.		7
26	Advances Brought by Hydrophilic Ionic Liquids in Fields Involving Pharmaceuticals. <i>Materials</i> , 2021, 14, 6231.	1.3	7
27	Aqueous Biphasic Systems Comprising Natural Organic Acid-Derived Ionic Liquids. <i>Separations</i> , 2022, 9, 46.	1.1	2
28	Achievements and perspectives of using deep eutectic solvents in the analytical chemistry field. , 2022, , 33-72.		1
29	Advances achieved in solid-phase microextraction using polymeric ionic liquids. , 2022, , 347-381.		0