## Emilia Tojo

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Physical Properties of Pure 1-Ethyl-3-methylimidazolium Ethylsulfate and Its Binary Mixtures with Ethanol and Water at Several Temperatures. Journal of Chemical & Engineering Data, 2006, 51, 2096-2102.	1.9	340
2	Dynamic Viscosities of a Series of 1-Alkyl-3-methylimidazolium Chloride Ionic Liquids and Their Binary Mixtures with Water at Several Temperatures. Journal of Chemical & Engineering Data, 2006, 51, 696-701.	1.9	288
3	Physical Properties of 1-Butyl-3-methylimidazolium Methyl Sulfate as a Function of Temperature. Journal of Chemical & Engineering Data, 2007, 52, 377-380.	1.9	168
4	Quantitation of κ-, ι- and λ-carrageenans by mid-infrared spectroscopy and PLS regression. Analytica Chimica Acta, 2003, 480, 23-37.	5.4	158
5	Cytotoxicity of selected imidazolium-derived ionic liquids in the human Caco-2 cell line. Sub-structural toxicological interpretation through a QSAR study. Green Chemistry, 2008, 10, 508.	9.0	154
6	Properties of ionic liquid HMIMPF6 with carbonates, ketones and alkyl acetates. Journal of Chemical Thermodynamics, 2006, 38, 651-661.	2.0	124
7	Temperature Dependence of Physical Properties of Ionic Liquid 1,3-Dimethylimidazolium Methyl Sulfate. Journal of Chemical & Engineering Data, 2006, 51, 952-954.	1.9	116
8	Toxicity and biodegradability of dicationic ionic liquids. RSC Advances, 2014, 4, 5198.	3.6	102
9	HMImPF6 ionic liquid that separates the azeotropic mixture ethanol + heptane. Green Chemistry, 2006, 8, 307.	9.0	92
10	Pyridinium based dicationic ionic liquids as base lubricants or lubricant additives. Tribology International, 2015, 82, 245-254.	5.9	68
11	A simple, efficient and green procedure for Knoevenagel reaction in [MMIm][MSO4] ionic liquid. Catalysis Communications, 2008, 9, 1779-1781.	3.3	66
12	Performance of PEMFC with new polyvinyl-ionic liquids based membranes as electrolytes. International Journal of Hydrogen Energy, 2014, 39, 3970-3977.	7.1	58
13	Synthesis and characterization of new polysubstituted pyridinium-based ionic liquids: application as solvents on desulfurization of fuel oils. Green Chemistry, 2011, 13, 2768.	9.0	51
14	Antimicrobial study of the resinous exudate and of diterpenoids isolated from Eupatorium salvia (Asteraceae). Journal of Ethnopharmacology, 1998, 62, 251-254.	4.1	50
15	A simple 1H NMR method for the quantification of carrageenans in blends. Carbohydrate Polymers, 2003, 53, 325-329.	10.2	49
16	Knoevenagel Reaction in [MMIm][MSO4]: Synthesis of Coumarins. Molecules, 2011, 16, 4379-4388.	3.8	43
17	Pyrrolidinium sulfate and ammonium sulfate ionic liquids as lubricant additives for steel/steel contact lubrication. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2012, 226, 923-932.	1.8	43
18	Physicochemical Characterization of New Sulfate Ionic Liquids. Journal of Chemical & Engineering Data, 2011, 56, 14-20.	1.9	37

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19	Alkaloids from Sarcocapnos enneaphylla. Phytochemistry, 1991, 30, 1005-1010.	2.9	36
20	Effect of the number, position and length of alkyl chains on the physical properties of polysubstituted pyridinium ionic liquids. Journal of Chemical Thermodynamics, 2014, 69, 19-26.	2.0	36
21	Chemical composition of carrageenan blends determined by IR spectroscopy combined with a PLS multivariate calibration method. Carbohydrate Research, 2003, 338, 1309-1312.	2.3	32
22	A new antibacterial clerodane diterpenoid from the resinous exudate of Haplopappus uncinatus. Journal of Ethnopharmacology, 2006, 103, 297-301.	4.1	32
23	Revealing the Charge Transport Mechanism in Polymerized Ionic Liquids: Insight from High Pressure Conductivity Studies. Chemistry of Materials, 2017, 29, 8082-8092.	6.7	32
24	The Homoaporphine Alkaloids. Journal of Natural Products, 1989, 52, 909-921.	3.0	29
25	Novel 2-alkyl-1-ethylpyridinium ionic liquids: synthesis, dissociation energies and volatility. Physical Chemistry Chemical Physics, 2015, 17, 2560-2572.	2.8	29
26	TRANSPORT PROPERTIES FOR 1-ETHYL-3-METHYLIMIDAZOLIUM n-ALKYL SULFATES: POSSIBLE EVIDENCE OF GROTTHUSS MECHANISM. Electrochimica Acta, 2017, 231, 94-102.	5.2	29
27	New oxidized isocularine alkaloids from sarcocapnos plants. Tetrahedron Letters, 1984, 25, 5933-5936.	1.4	26
28	Extractive denitrogenation of model oils with tetraalkyl substituted pyridinium based ionic liquids. Fluid Phase Equilibria, 2015, 396, 66-73.	2.5	26
29	Dicationic ionic liquids as lubricants. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2012, 226, 952-964.	1.8	25
30	Ethylene glycolâ€based ionic liquids via azide/alkyne click chemistry. Journal of Polymer Science Part A, 2013, 51, 190-202.	2.3	24
31	Deepening of the Role of Cation Substituents on the Extractive Ability of Pyridinium Ionic Liquids of N-Compounds from Fuels. ACS Sustainable Chemistry and Engineering, 2017, 5, 2015-2025.	6.7	22
32	Synthesis and Characterization of Surfaceâ€Active Ionic Liquids Used in the Disruption of <i>Escherichia Coli</i> Cells. ChemPhysChem, 2019, 20, 727-735.	2.1	22
33	Fuel cell electrolyte membranes based on copolymers of protic ionic liquid [HSO3-BVIm][TfO] with MMA and hPFSVE. Polymer, 2019, 179, 121583.	3.8	21
34	Recovery of flavonoids using novel biodegradable choline amino acids ionic liquids based ATPS. Fluid Phase Equilibria, 2019, 493, 1-9.	2.5	20
35	Physicochemical Characterization of New Sulfonate and Sulfate Ammonium Ionic Liquids. Journal of Chemical & Engineering Data, 2012, 57, 241-248.	1.9	19
36	Crystallization and Glass-Forming Ability of Ionic Liquids: Novel Insights into Their Thermal Behavior. ACS Sustainable Chemistry and Engineering, 2019, 7, 2989-2997.	6.7	19

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37	Immunohistochemical Detection of P-Glycoprotein (PGP) and Multidrug Resistance-Associated Protein (MRP) in Canine Cutaneous Mast Cell Tumors Journal of Veterinary Medical Science, 2002, 64, 531-533.	0.9	18
38	A mild and efficient way to prepare Îμ-caprolactam by using a novel salt related with ionic liquids. Tetrahedron Letters, 2010, 51, 4125-4128.	1.4	18
39	Long-term thermal stabilities of ammonium ionic liquids designed as potential absorbents of ammonia. RSC Advances, 2015, 5, 41278-41284.	3.6	16
40	(+)-Narcidine, a New Alkaloid from Narcissus pseudonarcissus. Journal of Natural Products, 1991, 54, 1387-1388.	3.0	15
41	Physicochemical properties of 2-alkyl-1-ethylpyridinium based ionic liquids. Fluid Phase Equilibria, 2016, 428, 112-120.	2.5	15
42	Synthesis of (3-Methoxycarbonyl)coumarin in an Ionic Liquid: An Advanced Undergraduate Project for Green Chemistry. Journal of Chemical Education, 2017, 94, 505-509.	2.3	15
43	New Active Pharmaceutical Ingredient-Ionic Liquids (API-ILs) Derived from Indomethacin and Mebendazole. Proceedings (mdpi), 2019, 9, 48.	0.2	15
44	Efficient and rapid experimental procedure for the synthesis of furan diol from d-glucal using ionic liquid. Tetrahedron Letters, 2007, 48, 7926-7929.	1.4	14
45	Synthesis and properties of novel chiral imidazolium-based ionic liquids derived from carvone. RSC Advances, 2016, 6, 31177-31180.	3.6	14
46	A diterpene xyloside from the resinous exudate of Haplopappus diplopappus. Phytochemistry, 1995, 38, 555-556.	2.9	13
47	Clerodane diterpenes from Haplopappus deserticola. Phytochemistry, 1999, 52, 1531-1533.	2.9	13
48	Ionic Liquids Derived from Proline: Application as Surfactants. ChemPhysChem, 2018, 19, 2885-2893.	2.1	13
49	Two Trioxygenated Phenethylisoquinoline Alkaloids from Colchicum szovitsii. Journal of Natural Products, 1990, 53, 634-637.	3.0	12
50	Acylated Flavonoids fromPseudognaphaliumSpecies. Journal of Natural Products, 1999, 62, 381-382.	3.0	11
51	A new procedure to obtain ε-caprolactam catalyzed by a guanidinium salt. New Journal of Chemistry, 2017, 41, 12830-12834.	2.8	10
52	Imidazolium decyl sulfate: a very promising selfmade ionic hydrogel. Materials Chemistry Frontiers, 2018, 2, 505-513.	5.9	9
53	The Dibenzocycloheptylamine Alkaloids. Journal of Natural Products, 1989, 52, 1163-1166.	3.0	8
54	O-Methylpallidine N-oxide, the First Morphinandienone N-oxide Alkaloid. Journal of Natural Products, 1989, 52, 415-416.	3.0	8

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55	(-)-Jaboromagellonine: New Withanolide from Seeds of Jaborosa magellanica. Heterocycles, 1993, 36, 1771.	0.7	8
56	Alkaloids from spanish Sarcocapnos species. Phytochemistry, 1991, 30, 1175-1182.	2.9	7
57	Use of Ionic Liquid as Solvent in the Oxidation of Furans with Singlet Oxygen. Synthesis, 2010, 2010, 3415-3417.	2.3	7
58	Synthesis of Norsecocularines. Heterocycles, 1988, 27, 2367.	0.7	7
59	(+)-4-Hydroxysarcocapnine: Structure and stereochemical considerations. Tetrahedron Letters, 1984, 25, 4573-4576.	1.4	6
60	Design and synthesis of alverine-based ionic liquids to improve drug water solubility. New Journal of Chemistry, 2020, 44, 20428-20433.	2.8	6
61	The Homoaporphine Alkaloids of Androcymbium palaestinum. Journal of Natural Products, 1989, 52, 1055-1059.	3.0	5
62	Beam bunching of the radioactive nuclear beam in a 6.4 GHz electron cyclotron resonance ion source. Review of Scientific Instruments, 1998, 69, 770-772.	1.3	5
63	A mild and efficient procedure for alkenols oxyselenocyclization by using ionic liquids. Journal of Physical Organic Chemistry, 2019, 32, e3928.	1.9	5
64	Enneaphylline, Sarcophilline and Norsarcocapnidine, New Phenolic Cularines from Sarcocapnos Plants. Heterocycles, 1987, 26, 29.	0.7	4
65	New Secocularine Alkaloids from Sarcapnos Species. Heterocycles, 1987, 26, 591.	0.7	4
66	New Insights on the Characterization of the Ionic Liquid Crystal 1-Ethyl-3-Methylimidazolium Decylsulfate. Journal of Physical Chemistry C, 2019, 123, 31196-31211.	3.1	2
67	Design and Characterization of Naphthalene Ionic Liquids. Frontiers in Chemistry, 2020, 8, 208.	3.6	2
68	Experimental device to measure the ionic conductivity anisotropy in liquid crystal hydrogel based in [EMIM] alkyl sulfate Ionic Liquids. Fluid Phase Equilibria, 2022, 555, 113353.	2.5	2
69	A Comparative Phytochemical Study of SpanishSarcocapnosSpecies. Planta Medica, 1990, 56, 511-511.	1.3	0
70	Development of Novel API-ILs for the Optimization of Anti-Alzheimer Drugs. Proceedings (mdpi), 2018, 9,	0.2	0
71	STATUS OF THE INS ECR ION SOURCE. Journal De Physique Colloque, 1989, 50, C1-799-C1-806.	0.2	0