

Fabrice Mutelet

List of Publications by Citations

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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.

71
papers

2,513
citations

30
h-index

49
g-index

72
ext. papers

2,789
ext. citations

4.1
avg, IF

5.33
L-index

#	Paper	IF	Citations
71	Partition Coefficients of Organic Compounds in New Imidazolium and Tetralkylammonium Based Ionic Liquids Using Inverse Gas Chromatography. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 234-242	2.8	136
70	Accurate measurements of thermodynamic properties of solutes in ionic liquids using inverse gas chromatography. <i>Journal of Chromatography A</i> , 2006 , 1102, 256-67	4.5	124
69	Extraction of benzene or thiophene from n-heptane using ionic liquids. NMR and thermodynamic study. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 4600-8	3.4	120
68	High carbon dioxide solubilities in imidazolium-based ionic liquids and in poly(ethylene glycol) dimethyl ether. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 12908-13	3.4	107
67	Modeling the solubility of carbon dioxide in imidazolium-based ionic liquids with the PC-SAFT equation of state. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 14375-88	3.4	92
66	Measurement of activity coefficients at infinite dilution in 1-hexadecyl-3-methylimidazolium tetrafluoroborate ionic liquid. <i>Journal of Chemical Thermodynamics</i> , 2007 , 39, 1144-1150	2.9	88
65	Deep Fuels Desulfurization and Denitrogenation Using 1-Butyl-3-methylimidazolium Trifluoromethanesulfonate. <i>Energy & Fuels</i> , 2011 , 25, 1559-1565	4.1	77
64	Activity Coefficients at Infinite Dilution of Organic Compounds in 1-Butyl-3-methylimidazolium Tetrafluoroborate Using Inverse Gas Chromatography. <i>Journal of Chemical & Engineering Data</i> , 2009 , 54, 90-101	2.8	76
63	Activity Coefficients at Infinite Dilution of Organic Compounds in Trihexyl(tetradecyl)phosphonium Bis(trifluoromethylsulfonyl)imide Using Inverse Gas Chromatography. <i>Journal of Chemical & Engineering Data</i> , 2009 , 54, 977-985	2.8	76
62	Activity coefficients at infinite dilution of organic compounds in 1-(meth)acryloyloxyalkyl-3-methylimidazolium bromide using inverse gas chromatography. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 3773-85	3.4	76
61	Study of Ether-, Alcohol-, or Cyano-Functionalized Ionic Liquids Using Inverse Gas Chromatography. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 2434-2443	2.8	75
60	Partition coefficients of organic compounds in new imidazolium based ionic liquids using inverse gas chromatography. <i>Journal of Chromatography A</i> , 2009 , 1216, 4775-86	4.5	73
59	Activity Coefficients at Infinite Dilution of Organic Compounds in Four New Imidazolium-Based Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 3106-3114	2.8	72
58	Solubility of CO ₂ in branched alkanes in order to extend the PPR78 model (predictive 1978, Peng-Robinson EOS with temperature-dependent kij calculated through a group contribution method) to such systems. <i>Fluid Phase Equilibria</i> , 2005 , 238, 157-168	2.5	70
57	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
56	Activity Coefficients at Infinite Dilution for Organic Solutes Dissolved in Three 1-Alkyl-1-methylpyrrolidinium Bis(trifluoromethylsulfonyl)imide Ionic Liquids Bearing Short Linear Alkyl Side Chains of Three to Five Carbons. <i>Journal of Chemical & Engineering Data</i> , 2013 , 58, 2210-2218	2.8	61
55	Activity Coefficients at Infinite Dilution for Organic Compounds Dissolved in 1-Alkyl-1-methylpyrrolidinium Bis(trifluoromethylsulfonyl)imide Ionic Liquids Having Six-, Eight-, and Ten-Carbon Alkyl Chains. <i>Journal of Chemical & Engineering Data</i> , 2012 , 57, 3510-3518	2.8	59

54	Prediction of Partition Coefficients of Organic Compounds in Ionic Liquids: Use of a Linear Solvation Energy Relationship with Parameters Calculated through a Group Contribution Method. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 3883-3892	3.9	59
53	Thermodynamic Properties of Mixtures Containing Ionic Liquids: Activity Coefficients at Infinite Dilution of Organic Compounds in 1-Propyl Boronic Acid-3-Alkylimidazolium Bromide and 1-Propenyl-3-alkylimidazolium Bromide Using Inverse Gas Chromatography. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 3674-3678	2.8	57
52	Partition Coefficients of Organic Compounds in Four New Tetraalkylammonium Bis(trifluoromethylsulfonyl)imide Ionic Liquids Using Inverse Gas Chromatography. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 3688-3697	2.8	49
51	Doxorubicin-Loaded Thermoresponsive Superparamagnetic Nanocarriers for Controlled Drug Delivery and Magnetic Hyperthermia Applications. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 30610-30620	9.5	46
50	Experimental and theoretically study of interaction between organic compounds and tricyanomethanide based ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2015 , 85, 49-56	2.9	44
49	Performance of an absorption heat transformer using new working binary systems composed of {ionic liquid and water}. <i>Applied Thermal Engineering</i> , 2016 , 94, 579-589	5.8	40
48	Activity coefficients at infinite dilution for organic solutes dissolved in two 1-alkylquinuclidinium bis(trifluoromethylsulfonyl)imides bearing alkyl side chains of six and eight carbons. <i>Journal of Molecular Liquids</i> , 2016 , 215, 176-184	6	39
47	Studies on the dissolution of glucose in ionic liquids and extraction using the antisolvent method. <i>Environmental Science & Technology</i> , 2013 , 47, 2809-16	10.3	37
46	Solubility of carbon dioxide, nitrous oxide and methane in ionic liquids at pressures close to atmospheric. <i>Fluid Phase Equilibria</i> , 2014 , 372, 26-33	2.5	35
45	Extraction of n-Alcohols from n-Heptane Using Ionic Liquids.. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 3873-3880	2.8	35
44	Infinite Dilution Activity Coefficients of Solute Dissolved in Two Trihexyl(tetradecyl)phosphonium Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2014 , 59, 1877-1885	2.8	34
43	Extraction of phenolic compounds from aqueous solution using choline bis(trifluoromethylsulfonyl)imide. <i>Fluid Phase Equilibria</i> , 2017 , 446, 28-35	2.5	33
42	Evaluation of the Performance of Trigeminal Tricationic Ionic Liquids for Separation Problems. <i>Journal of Chemical & Engineering Data</i> , 2012 , 57, 918-927	2.8	31
41	Separation of phenols from lignin pyrolysis oil using ionic liquid. <i>Separation and Purification Technology</i> , 2019 , 209, 528-534	8.3	30
40	Prediction of Partition Coefficients of Organic Compounds in Ionic Liquids Using a Temperature-Dependent Linear Solvation Energy Relationship with Parameters Calculated through a Group Contribution Method. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 3598-3606	2.8	29
39	Study of benzyl- or cyclohexyl-functionalized ionic liquids using inverse gas chromatography. <i>Journal of Molecular Liquids</i> , 2017 , 242, 550-559	6	28
38	Infinite Dilution Activity Coefficients and Gas-to-Liquid Partition Coefficients of Organic Solute Dissolved in 1-Benzylpyridinium Bis(Trifluoromethylsulfonyl)Imide and 1-Cyclohexylmethyl-1-Methylpyrrolidinium Bis(Trifluoromethylsulfonyl)Imide. <i>Journal of Solution Chemistry</i> , 2018 , 47, 308-335	1.8	25
37	Infinite dilution activity coefficients of solutes dissolved in anhydrous alkyl(dimethyl)isopropylammonium bis(trifluoromethylsulfonyl)imide ionic liquids containing functionalized- and nonfunctionalized-alkyl chains. <i>Journal of Molecular Liquids</i> , 2016 , 222, 295-312	6	23

36	Experimental and theoretical study of carbohydrate-ionic liquid interactions. <i>Carbohydrate Polymers</i> , 2015 , 127, 316-24	10.3	22
35	Activity coefficients at infinite dilution for organic solutes dissolved in two 1,2,3-tris(diethylamino)cyclopenylium based room temperature ionic liquids. <i>Journal of Molecular Liquids</i> , 2016 , 223, 89-99	6	22
34	Experimental Measurement and Modeling of Phase Diagrams of Binary Systems Encountered in the Gasoline Desulfurization Process Using Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2014 , 59, 603-612	2.8	22
33	Infinite dilution activity coefficients and gas-to-liquid partition coefficients of organic solutes dissolved in 1-sec-butyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide and in 1-tert-butyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide. <i>Physics and Chemistry of Liquids</i> , 2019 , 57, 453-472	1.5	21
32	(Vapor + liquid) equilibria of binary mixtures containing light alcohols and ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2010 , 42, 177-181	2.9	20
31	Measurements of activity coefficients at infinite dilution of organic solutes in the ionic liquid 1-ethyl-3-methylimidazolium ethylphosphonate [EMIM][(EtO)(H)PO ₂] using gas-liquid chromatography. <i>Journal of Molecular Liquids</i> , 2016 , 220, 243-247	6	20
30	Phase diagrams of binary systems containing tricyanomethanide-based ionic liquids and thiophene or pyridine. New experimental data and PC-SAFT modelling. <i>Fluid Phase Equilibria</i> , 2015 , 399, 105-114	2.5	19
29	Pretreatment of miscanthus using 1,3-dimethyl-imidazolium methyl phosphonate (DMIMMPH) ionic liquid for glucose recovery and ethanol production. <i>RSC Advances</i> , 2015 , 5, 61455-61464	3.7	19
28	Study of interaction between organic compounds and mono or dicationic oxygenated ionic liquids using gas chromatography. <i>Fluid Phase Equilibria</i> , 2015 , 387, 59-72	2.5	18
27	From the dissolution to the extraction of carbohydrates using ionic liquids. <i>RSC Advances</i> , 2013 , 3, 20219-20227	3.7	18
26	Antioxidant properties of phenolic surrogates of lignin depolymerisation. <i>Industrial Crops and Products</i> , 2019 , 129, 480-487	5.9	17
25	Solubility of CO ₂ in 1-butyl-3-methylimidazolium diethylene-glycolmonomethylethersulfate and trihexyl(tetradecyl)phosphonium dodecyl-benzenesulfonate. <i>Fluid Phase Equilibria</i> , 2013 , 354, 191-198	2.5	15
24	Phase equilibria of phenolic compounds in water or ethanol. <i>Fluid Phase Equilibria</i> , 2017 , 453, 58-66	2.5	15
23	Characterization of the solubilizing ability of tetraalkylammonium ionic liquids containing a pendant alkyl chain bearing a basic N,N-dimethylamino or N,N-dimethylaminoethoxy functionality. <i>Journal of Molecular Liquids</i> , 2019 , 283, 380-390	6	14
22	Carbon dioxide solubilities in tricyanomethanide-based ionic liquids: Measurements and PC-SAFT modeling. <i>Fluid Phase Equilibria</i> , 2018 , 469, 48-55	2.5	14
21	Activity coefficients at infinite dilution of organic solutes in methylphosphonate based ionic liquids using gas-liquid chromatography. <i>Journal of Chemical Thermodynamics</i> , 2015 , 86, 116-122	2.9	13
20	Measurement and correlation of vapour pressures of pyridine and thiophene with [EMIM][SCN] ionic liquid. <i>Journal of Chemical Thermodynamics</i> , 2014 , 72, 134-138	2.9	12
19	Aggregation of nanoparticles in aqueous solutions of ionic liquids. <i>Journal of Molecular Liquids</i> , 2013 , 186, 1-6	6	11

18	Liquid-Liquid Equilibria for the Ternary Systems Dodecane + Toluene or Thiophene or Pyridine + 1-Ethyl-3-methylimidazolium Methyl Sulfate. <i>Journal of Chemical & Engineering Data</i> , 2017 , 62, 1749-1755	2.8	9
17	Capacity Enhancement of Ionic Liquids-Based Nanofluid for Fuels Desulfurization Purposes. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 14718-14726	3.9	9
16	Computational study on the molecular conformations of phenolic compounds. <i>Structural Chemistry</i> , 2018 , 29, 179-194	1.8	8
15	Thermodynamic properties assessment of working mixtures {water + alkylphosphonate based ionic liquids} as innovative alternatives working pairs for absorption heat transformers. <i>Applied Thermal Engineering</i> , 2020 , 181, 115943	5.8	8
14	Experimental and theoretical study of interaction between organic compounds and 1-(4-sulfobutyl)-3-methylimidazolium based ionic liquids. <i>Fluid Phase Equilibria</i> , 2014 , 378, 34-43	2.5	7
13	Characterization of the solubilizing ability of short-chained glycol-grafted ammonium and phosphonium ionic liquids. <i>Journal of Molecular Liquids</i> , 2020 , 304, 112786	6	6
12	Characterization of bis(fluorosulfonyl)imide based ionic liquids by gas chromatography. <i>Journal of Molecular Liquids</i> , 2019 , 289, 111169	6	5
11	Development of Abraham model correlations for short-chain glycol-grafted imidazolium and pyridinium ionic liquids from inverse gas-chromatographic measurements. <i>Journal of Molecular Liquids</i> , 2020 , 317, 113983	6	5
10	Effect of the Addition of Amine in Organophosphorus Compounds on Molecular Structuration of Ionic Liquids-Application to Solvent Extraction. <i>Molecules</i> , 2020 , 25,	4.8	4
9	Are Ionic Liquids Suitable as New Components in Working Mixtures for Absorption Heat Transformers? 2017 ,		4
8	Extraction of butanol and acetonitrile from aqueous solution using carboxylic acid based deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2021 , 325, 115231	6	3
7	Extracting capacity of ionic liquids adsorbed at the surface of alumina nanoparticles: Conductimetric and dynamic light scattering studies. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009 , 338, 47-50	5.1	2
6	Solubility of Carbon Dioxide in Carboxylic Acid-Based Deep Eutectic Solvents. <i>Journal of Chemical & Engineering Data</i> , 2021 , 66, 702-711	2.8	2
5	Use of Ionic Liquids for the Treatment of Biomass Materials and Biofuel Production 2017 ,		1
4	Computational study of phenolic compounds-water clusters. <i>Structural Chemistry</i> , 2018 , 29, 625-643	1.8	1
3	Evaluation of miscanthus pretreatment effect by Choline chloride based Deep Eutectic solvents on bioethanol production. <i>Bioresource Technology</i> , 2021 , 345, 126460	11	1
2	Thermodynamic Properties of Tricyanomethanide-Based Ionic Liquids with Water: Experimental and Modelling. <i>Journal of Solution Chemistry</i> , 2021 , 50, 517-543	1.8	1
1	Extraction of organic compounds from Aqueous Solution Using Choline bis (trifluoromethylsulfonyl) imide. <i>Journal of Molecular Liquids</i> , 2022 , 360, 119432	6	

