Katarzyna Materna

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.

39 papers	975 citations	17 h-index	31 g-index
42 ext. papers	1,088 ext. citations	5.2 avg, IF	3.98 L-index

#	Paper	IF	Citations
39	Ionic liquids with herbicidal anions. *Tetrahedron*, **2011**, 67, 4838-4844	2.4	126
38	2,4-D based herbicidal ionic liquids. *Tetrahedron*, **2012**, 68, 4267-4273	2.4	65
37	Herbicidal Ionic Liquids with 2,4-D. *Weed Science*, **2012**, 60, 189-192	2	61
36	Long-alkyl-chain quaternary ammonium lactate based ionic liquids. *Chemistry - A European Journal*, **2008**, 14, 9305-11	4.8	56
35	Ionic liquids as herbicides and plant growth regulators. *Tetrahedron*, **2013**, 69, 4665-4669	2.4	55
34	Separation of phenols from aqueous micellar solutions by cloud point extraction. *Journal of Colloid and Interface Science*, **2002**, 255, 195-201	9.3	53
33	Mandelate and prolinate ionic liquids: synthesis, characterization, catalytic and biological activity. *Tetrahedron Letters*, **2011**, 52, 1325-1328	2	48
32	Synthesis, properties and evaluation of biological activity of herbicidal ionic liquids with 4-(4-chloro-2-methylphenoxy)butanoate anion. *RSC Advances*, **2016**, 6, 7330-7338	3.7	47
31	Phenoxy herbicidal ammonium ionic liquids. *Tetrahedron*, **2014**, 70, 4784-4789	2.4	45
30	Ultrafiltration of Micellar Solutions Containing Phenols. *Journal of Colloid and Interface Science*, **1999**, 218, 359-368	9.3	43
29	Removal of phenols from aqueous streams by the cloud point extraction technique with oxyethylated methyl dodecanoates as surfactants. *Environmental Science & Technology*, **2001**, 35, 2341-6	10.3	41
28	Comparative study on the biodegradability of morpholinium herbicidal ionic liquids. *Biodegradation*, **2015**, 26, 327-40	4.1	35
27	Recovery of various phenols and phenylamines by micellar enhanced ultrafiltration and cloud point separation. *Green Chemistry*, **2004**, 6, 176	10	35
26	Solvothermal synthesis of hydrophobic chitin-polyhedral oligomeric silsesquioxane (POSS) nanocomposites. *International Journal of Biological Macromolecules*, **2015**, 78, 224-9	7.9	34
25	Multifunctional long-alkyl-chain quaternary ammonium azolate based ionic liquids. *New Journal of Chemistry*, **2010**, 34, 2281	3.6	33
24	Cloud point extraction of direct yellow. *Environmental Science & Technology*, **2005**, 39, 3110-5	10.3	32
23	Cloud point of aqueous solutions containing oxyethylated methyl dodecanoates: effects of surfactant hydrophilicity, nature of added electrolyte, and water activity. *Journal of Colloid and Interface Science*, **2004**, 269, 466-71	9.3	25

22	Sweet ionic liquids-cyclamates: Synthesis, properties, and application as feeding deterrents. *Science China Chemistry*, **2012**, 55, 1532-1541	7.9	17
21	Synthesis, Properties, and Antimicrobial Activity of 1-Alkyl-4-hydroxy-1-methylpiperidinium Ionic Liquids with Mandelate Anion. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 15053-15063	8.3	14
20	Pyrrolidinium herbicidal ionic liquids. *RSC Advances*, **2016**, 6, 63136-63142	3.7	12
19	Cross-flow ultrafiltration of micellar solutions containing selected phenols. *Green Chemistry*, **2003**, 5, 454	10	11
18	Difunctional ammonium ionic liquids with bicyclic cations. *New Journal of Chemistry*, **2019**, 43, 4477-4488	3.6	11
17	Clear distinction between CAC and CMC revealed by high-resolution NMR diffusometry for a series of bis-imidazolium gemini surfactants in aqueous solutions.. *RSC Advances*, **2018**, 8, 38470-38482	3.7	10
16	Dynamics of surfactant-rich phase separation from solutions containing non-ionic and zwitterionic surfactants. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2005**, 254, 223-229	5.1	9
15	Glycine betaine-based ionic liquids and their influence on bacteria, fungi, insects and plants. *New Journal of Chemistry*, **2021**, 45, 6344-6355	3.6	9
14	2-Ethylhexanol Derivatives as Nonionic Surfactants: Synthesis and Properties. *Journal of Surfactants and Detergents*, **2016**, 19, 155-164	1.9	8
13	Ionic Liquids for Separation of Metal Ions and Organic Compounds from Aqueous Solutions **2014**, 153-188		7
12	Double-Action Herbicidal Ionic Liquids Based on Dicamba Esterquats with 4-CPA, 2,4-D, MCPA, MCPP, and Clopyralid Anions. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 14584-14594	8.3	6
11	Dynamics of nonionic surfactant-rich phase separation and recovery of dyes. *Journal of Colloid and Interface Science*, **2004**, 277, 443-9	9.3	5
10	Third-generation ionic liquids with -alkylated 1,4-diazabicyclo[2.2.2]octane cations and pelargonate anions.. *RSC Advances*, **2020**, 10, 8653-8663	3.7	4
9	Genetic and chemical analyzes of transformations in compost compounds during biodegradation of oiled bleaching earth with waste sludge. *Bioresource Technology*, **2012**, 114, 75-83	11	4
8	Synthetic auxin-based double salt ionic liquids as herbicides with improved physicochemical properties and biological activity. *Journal of Molecular Liquids*, **2021**, 334, 116452	6	3
7	C12 hydroxyester ethoxylates as nonionic surfactants. *Open Chemistry*, **2011**, 9, 300-307	1.6	2
6	Ultrafiltration of colloidal solutions containing L, D-phenylalanine, trans-4-hydroxy-L-proline and their copper complexes. *Desalination*, **2005**, 172, 19-26	10.3	2
5	Conversion of l-Tryptophan Derivatives into Biologically Active Amino Acid Ionic Liquids. *ChemistrySelect*, **2021**, 6, 5614-5621	1.8	2

4	Ionic liquids - deanol derivatives as the Diels-Alder reaction solvents. *Open Chemistry*, **2010**, 8, 1140-1146	1.6	1
3	Antimicrobial and Cytotoxic Activity of Novel Imidazolium-Based Ionic Liquids.. *Molecules*, **2022**, 27,	4.8	1
2	Interfacial Activity of 2-Ethylhexan-1-ol-Based Surfactants in Quasi-ternary Systems. *Journal of Surfactants and Detergents*, **2017**, 20, 83-101	1.9	0
1	Amino acid-based dicationic ionic liquids as complex crop protection agents. *Journal of Molecular Liquids*, **2022**, 119357	6	0