

Michal Niemczak

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.

31
papers

742
citations

19
h-index

27
g-index

39
ext. papers

919
ext. citations

4.8
avg, IF

4.2
L-index

#	Paper	IF	Citations
31	Ionic liquids as herbicides and plant growth regulators. <i>Tetrahedron</i> , 2013 , 69, 4665-4669	2.4	55
30	Metsulfuron-methyl-based herbicidal ionic liquids. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 3357-66	5.7	50
29	Glyphosate-Based Herbicidal Ionic Liquids with Increased Efficacy. <i>ACS Sustainable Chemistry and Engineering</i> , 2014 , 2, 2845-2851	8.3	48
28	Synthesis, properties and evaluation of biological activity of herbicidal ionic liquids with 4-(4-chloro-2-methylphenoxy)butanoate anion. <i>RSC Advances</i> , 2016 , 6, 7330-7338	3.7	47
27	Two Herbicides in a Single Compound: Double Salt Herbicidal Ionic Liquids Exemplified with Glyphosate, Dicamba, and MCPA. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 6261-6273	8.3	45
26	Betaine and Carnitine Derivatives as Herbicidal Ionic Liquids. <i>Chemistry - A European Journal</i> , 2016 , 22, 12012-21	4.8	43
25	Herbicidal ionic liquid with dual-function. <i>Tetrahedron</i> , 2013 , 69, 8132-8136	2.4	42
24	Herbicidal ionic liquids based on esterquats. <i>New Journal of Chemistry</i> , 2015 , 39, 5715-5724	3.6	41
23	Bis(ammonium) ionic liquids with herbicidal anions. <i>RSC Advances</i> , 2015 , 5, 15487-15493	3.7	35
22	Bioherbicidal Ionic Liquids. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 2741-2750	8.3	31
21	Biodegradable herbicidal ionic liquids based on synthetic auxins and analogues of betaine. <i>New Journal of Chemistry</i> , 2017 , 41, 8066-8077	3.6	29
20	Ionic Liquids Derived from Vitamin C as Multifunctional Active Ingredients for Sustainable Stored-Product Management. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 1072-1084	8.3	28
19	Alkyl(C, C, C)trimethylammonium-Based Herbicidal Ionic Liquids. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 260-269	5.7	25
18	Efficacy of herbicidal ionic liquids and choline salt based on 2,4-D. <i>Crop Protection</i> , 2017 , 98, 85-93	2.7	24
17	Preparation and characterization of new ionic liquid forms of 2,4-DP herbicide. <i>Tetrahedron</i> , 2017 , 73, 7315-7325	2.4	24
16	Ionic liquids based stored product insect antifeedants. <i>RSC Advances</i> , 2013 , 3, 25019	3.7	22
15	Influence of the alkyl chain length on the physicochemical properties and biological activity in a homologous series of dichlorprop-based herbicidal ionic liquids. <i>Journal of Molecular Liquids</i> , 2019 , 276, 431-440	6	22

14	Synthesis and Structure-Property Relationships in Herbicidal Ionic Liquids and their Double Salts. <i>ChemPlusChem</i> , 2018 , 83, 529-541	2.8	21
13	Removal of herbicidal ionic liquids by electrochemical advanced oxidation processes combined with biological treatment. <i>Environmental Technology (United Kingdom)</i> , 2017 , 38, 1093-1099	2.6	19
12	Diallyldimethylammonium and trimethylvinylammonium ionic liquids Synthesis and application to catalysis. <i>Applied Catalysis A: General</i> , 2013 , 451, 168-175	5.1	17
11	Transformation of Indole-3-butyric Acid into Ionic Liquids as a Sustainable Strategy Leading to Highly Efficient Plant Growth Stimulators. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 1591-1598	8.3	15
10	Dicamba-Based Herbicides: Herbicidal Ionic Liquids versus Commercial Forms. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 4588-4594	5.7	13
9	Herbicidal Ionic Liquids: A Promising Future for Old Herbicides? Review on Synthesis, Toxicity, Biodegradation, and Efficacy Studies. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 10456-10488	5.7	13
8	Iodosulfuron-Methyl-Based Herbicidal Ionic Liquids Comprising Alkyl Betainate Cation as Novel Active Ingredients with Reduced Environmental Impact and Excellent Efficacy. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 13661-13671	5.7	7
7	Quantifying the Mineralization of ¹³ C-Labeled Cations and Anions Reveals Differences in Microbial Biodegradation of Herbicidal Ionic Liquids between Water and Soil. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 3412-3426	8.3	5
6	Sweet Ionic liquids comprising the acesulfame anion Synthesis, physicochemical properties and antifeedant activity towards stored product insects. <i>New Journal of Chemistry</i> , 2020 , 44, 7017-7028	3.6	5
5	Voltammetric sensor based on long alkyl chain tetraalkylammonium ionic liquids comprising ascorbate anion for determination of nitrite. <i>Mikrochimica Acta</i> , 2021 , 188, 54	5.8	3
4	Pharmacokinetic Profile of 1-Methylnicotinamide Nitrate in Rats. <i>Journal of Pharmaceutical Sciences</i> , 2017 , 106, 1412-1418	3.9	2
3	Preparation of 1-methyl-3-phenylisoquinoline derivatives from oximes using polyphosphoric esters. <i>New Journal of Chemistry</i> , 2015 , 39, 1868-1873	3.6	2
2	Ionic liquids based on 2-chloroethyltrimethylammonium chloride (CCC) as plant growth regulators. <i>Open Chemistry</i> , 2013 , 11, 1816-1821	1.6	2
1	Synthesis and efficacy of herbicidal ionic liquids with chlorsulfuron as the anion. <i>Open Chemistry</i> , 2020 , 18, 1282-1293	1.6	1