MichaÅ, Niemczak

List of Publications by Year
in descending order

38	1,040	331259	433756
papers	citations	21 h-index	31 g-index

39	39	39	552
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dicationic Herbicidal Ionic Liquids Comprising Two Active Ingredients Exhibiting Different Modes of Action. Journal of Agricultural and Food Chemistry, 2022, 70, 2545-2553.	2.4	6
2	Ionic liquid-assisted synthesis of chitinâ€“ethylene glycol hydrogels as electrolyte membranes for sustainable electrochemical capacitors. Scientific Reports, 2022, 12, .	1.6	6
3	Sustainable Design of New Ionic Forms of Vitamin B₃ and Their Utilization as Plant Protection Agents. Journal of Agricultural and Food Chemistry, 2022, 70, 8222-8232.	2.4	6
4	Toward revealing the role of the cation in the phytotoxicity of the betaine-based esterquats comprising dicamba herbicide. Science of the Total Environment, 2022, 845, 157181.	3.9	9
5	Transformation of Iodosulfuron-Methyl into Ionic Liquids Enables Elimination of Additional Surfactants in Commercial Formulations of Sulfonylureas. Molecules, 2021, 26, 4396.	1.7	11
6	Voltammetric sensor based on long alkyl chain tetraalkylammonium ionic liquids comprising ascorbate anion for determination of nitrite. Mikrochimica Acta, 2021, 188, 54.	2.5	8
7	Transformation of Indole-3-butyric Acid into Ionic Liquids as a Sustainable Strategy Leading to Highly Efficient Plant Growth Stimulators. ACS Sustainable Chemistry and Engineering, 2020, 8, 1591-1598.	3.2	29
8	Iodosulfuron-Methyl-Based Herbicidal Ionic Liquids Comprising Alkyl Betainate Cation as Novel Active Ingredients with Reduced Environmental Impact and Excellent Efficacy. Journal of Agricultural and Food Chemistry, 2020, 68, 13661-13671.	2.4	18
9	Herbicidal Ionic Liquids: A Promising Future for Old Herbicides? Review on Synthesis, Toxicity, Biodegradation, and Efficacy Studies. Journal of Agricultural and Food Chemistry, 2020, 68, 10456-10488.	2.4	44
10	Quantifying the Mineralization of ¹³C-Labeled Cations and Anions Reveals Differences in Microbial Biodegradation of Herbicidal Ionic Liquids between Water and Soil. ACS Sustainable Chemistry and Engineering, 2020, 8, 3412-3426.	3.2	11
11	Dicamba-Based Herbicides: Herbicidal Ionic Liquids versus Commercial Forms. Journal of Agricultural and Food Chemistry, 2020, 68, 4588-4594.	2.4	26
12	â€œSweetâ€•ionic liquids comprising the acesulfame anion â€“ synthesis, physicochemical properties and antifeedant activity towards stored product insects. New Journal of Chemistry, 2020, 44, 7017-7028.	1.4	11
13	Synthesis and efficacy of herbicidal ionic liquids with chlorsulfuron as the anion. Open Chemistry, 2020, 18, 1282-1293.	1.0	2
14	Influence of the alkyl chain length on the physicochemical properties and biological activity in a homologous series of dichlorprop-based herbicidal ionic liquids. Journal of Molecular Liquids, 2019, 276, 431-440.	2.3	36
15	Ionic Liquids Derived from Vitamin C as Multifunctional Active Ingredients for Sustainable Stored-Product Management. ACS Sustainable Chemistry and Engineering, 2019, 7, 1072-1084.	3.2	35
16	Bioherbicidal Ionic Liquids. ACS Sustainable Chemistry and Engineering, 2018, 6, 2741-2750.	3.2	42
17	Synthesis and Structureâ€“Property Relationships in Herbicidal Ionic Liquids and their Double Salts. ChemPlusChem, 2018, 83, 529-541.	1.3	28
18	Pharmacokinetic Profile of 1-Methylnicotinamide Nitrate in Rats. Journal of Pharmaceutical Sciences, 2017, 106, 1412-1418.	1.6	3

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19	Two Herbicides in a Single Compound: Double Salt Herbicidal Ionic Liquids Exemplified with Glyphosate, Dicamba, and MCPA. ACS Sustainable Chemistry and Engineering, 2017, 5, 6261-6273.	3.2	62
20	Efficacy of herbicidal ionic liquids and choline salt based on 2,4-D. Crop Protection, 2017, 98, 85-93.	1.0	32
21	Alkyl(C₁₆, C₁₈, C₂₂)trimethylammonium-Based Herbicidal Ionic Liquids. Journal of Agricultural and Food Chemistry, 2017, 65, 260-269.	2.4	32
22	Preparation and characterization of new ionic liquid forms of 2,4-DP herbicide. Tetrahedron, 2017, 73, 7315-7325.	1.0	30
23	Biodegradable herbicidal ionic liquids based on synthetic auxins and analogues of betaine. New Journal of Chemistry, 2017, 41, 8066-8077.	1.4	42
24	Removal of herbicidal ionic liquids by electrochemical advanced oxidation processes combined with biological treatment. Environmental Technology (United Kingdom), 2017, 38, 1093-1099.	1.2	22
25	Frontispiece: Betaine and Carnitine Derivatives as Herbicidal Ionic Liquids. Chemistry - A European Journal, 2016, 22, .	1.7	0
26	Betaine and Carnitine Derivatives as Herbicidal Ionic Liquids. Chemistry - A European Journal, 2016, 22, 12012-12021.	1.7	57
27	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.	1.7	53
28	Metsulfuron-Methyl-Based Herbicidal Ionic Liquids. Journal of Agricultural and Food Chemistry, 2015, 63, 3357-3366.	2.4	57
29	Bis(ammonium) ionic liquids with herbicidal anions. RSC Advances, 2015, 5, 15487-15493.	1.7	39
30	Herbicidal ionic liquids based on esterquats. New Journal of Chemistry, 2015, 39, 5715-5724.	1.4	50
31	Preparation of 1-methyl-3-phenylisoquinoline derivatives from oximes using polyphosphoric esters. New Journal of Chemistry, 2015, 39, 1868-1873.	1.4	4
32	Glyphosate-Based Herbicidal Ionic Liquids with Increased Efficacy. ACS Sustainable Chemistry and Engineering, 2014, 2, 2845-2851.	3.2	57
33	Herbicidal ionic liquid with dual-function. Tetrahedron, 2013, 69, 8132-8136.	1.0	50
34	Ionic liquids based on 2-chloroethyltrimethylammonium chloride (CCC) as plant growth regulators. Open Chemistry, 2013, 11, 1816-1821.	1.0	4
35	Ionic liquids based stored product insect antifeedants. RSC Advances, 2013, 3, 25019.	1.7	27
36	Diallyldimethylammonium and trimethylvinylammonium ionic liquidsâ€"Synthesis and application to catalysis. Applied Catalysis A: General, 2013, 451, 168-175.	2.2	22

#	Article	IF	Citations
37	Ionic liquids as herbicides and plant growth regulators. Tetrahedron, 2013, 69, 4665-4669.	1.0	64
38	â€œBitterâ€•Results: Toward Sustainable Synthesis of the Most Bitter Substances, Denatonium Saccharinate and Denatonium Benzoate, Starting from a Popular Anesthetic, Lidocaine. Journal of Chemical Education, 0, , .	1.1	5