

# Juliusz Pernak

## List of Publications by Year in descending order

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147  
papers

7,164  
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45677

45  
h-index

53745

80  
g-index

157  
all docs

157  
docs citations

157  
times ranked

4211  
citing authors

#	ARTICLE	IF	CITATIONS
1	The third evolution of ionic liquids: active pharmaceutical ingredients. <i>New Journal of Chemistry</i> , 2007, 31, 1429.	2.7	777
2	Anti-microbial activities of ionic liquids. <i>Green Chemistry</i> , 2003, 5, 52-56.	9.3	456
3	Anti-microbial activities of protic ionic liquids with lactate anion. <i>Green Chemistry</i> , 2004, 6, 323.	9.3	321
4	Synthesis, anti-microbial activities and anti-electrostatic properties of phosphonium-based ionic liquids. <i>Green Chemistry</i> , 2005, 7, 855.	9.3	194
5	New Ionic Liquids and Their Antielectrostatic Properties. <i>Industrial &amp; Engineering Chemistry Research</i> , 2001, 40, 2379-2383.	3.8	184
6	Ionic liquids with dual biological function: sweet and anti-microbial, hydrophobic quaternary ammonium-based salts. <i>New Journal of Chemistry</i> , 2009, 33, 26-33.	2.7	177
7	Room-temperature phosphonium ionic liquids for supercapacitor application. <i>Applied Physics Letters</i> , 2005, 86, 164104.	3.3	170
8	Suppression of deleterious effects of free silanols in liquid chromatography by imidazolium tetrafluoroborate ionic liquids. <i>Journal of Chromatography A</i> , 2004, 1030, 263-271.	3.8	160
9	Ionic liquids with herbicidal anions. <i>Tetrahedron</i> , 2011, 67, 4838-4844.	2.0	158
10	Choline-Derivative-Based Ionic Liquids. <i>Chemistry - A European Journal</i> , 2007, 13, 6817-6827.	3.9	155
11	Long alkyl chain quaternary ammonium-based ionic liquids and potential applications. <i>Green Chemistry</i> , 2006, 8, 798.	9.3	149
12	Ionic Liquids with Symmetrical Dialkoxymethyl-Substituted Imidazolium Cations. <i>Chemistry - A European Journal</i> , 2004, 10, 3479-3485.	3.9	147
13	Synthesis and Properties of Chiral Ammonium-Based Ionic Liquids. <i>Chemistry - A European Journal</i> , 2005, 11, 4441-4449.	3.9	143
14	Synthesis and anti-microbial activities of some pyridinium salts with alkoxymethyl hydrophobic group. <i>European Journal of Medicinal Chemistry</i> , 2001, 36, 899-907.	5.8	136
15	Synthesis and antimicrobial activities of new pyridinium and benzimidazolium chlorides. <i>European Journal of Medicinal Chemistry</i> , 2001, 36, 313-320.	5.8	121
16	Ionic liquid forms of the herbicide dicamba with increased efficacy and reduced volatility. <i>Green Chemistry</i> , 2013, 15, 2110.	9.3	117
17	Synthesis and anti-microbial activities of choline-like quaternary ammonium chlorides. <i>European Journal of Medicinal Chemistry</i> , 2003, 38, 1035-1042.	5.8	111
18	Synthesis, toxicity, biodegradability and physicochemical properties of 4-benzyl-4-methylmorpholinium-based ionic liquids. <i>Green Chemistry</i> , 2011, 13, 2901.	9.3	96

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19	Synthesis and properties of chiral imidazolium ionic liquids with a (1R,2S,5R)-(â€ˆ)-menthoxyethyl substituent. <i>New Journal of Chemistry</i> , 2007, 31, 879-892.	2.7	80
20	Dielsâ€ˆAlder reaction in protic ionic liquids. <i>Tetrahedron Letters</i> , 2006, 47, 4079-4083.	1.4	75
21	Synthesis and Properties of Trigeminal Tricationic Ionic Liquids. <i>Chemistry - A European Journal</i> , 2007, 13, 3106-3112.	3.9	70
22	N-(1-benzotriazol-1-ylalkyl)amides, versatile .alpha.-amidoalkylation reagents. 1. .alpha.-Amidoalkylation of CH acids. <i>Journal of Organic Chemistry</i> , 1991, 56, 4439-4443.	3.3	69
23	2,4-D based herbicidal ionic liquids. <i>Tetrahedron</i> , 2012, 68, 4267-4273.	2.0	69
24	Ionic liquids as herbicides and plant growth regulators. <i>Tetrahedron</i> , 2013, 69, 4665-4669.	2.0	67
25	Ionic liquids in embalming and tissue preservation.. <i>Acta Histochemica</i> , 2003, 105, 135-142.	1.9	66
26	Herbicidal Ionic Liquids with 2,4-D. <i>Weed Science</i> , 2012, 60, 189-192.	1.6	66
27	Longâ€ˆAlkylâ€ˆChain Quaternary Ammonium Lactate Based Ionic Liquids. <i>Chemistry - A European Journal</i> , 2008, 14, 9305-9311.	3.9	63
28	Cellulose-TiO2 nanocomposite with enhanced UVâ€ˆVis light absorption. <i>Cellulose</i> , 2013, 20, 1293-1300.	5.1	63
29	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.	6.9	63
30	Mandelate and prolinatate ionic liquids: synthesis, characterization, catalytic and biological activity. <i>Tetrahedron Letters</i> , 2011, 52, 1325-1328.	1.4	61
31	Betaine and Carnitine Derivatives as Herbicidal Ionic Liquids. <i>Chemistry - A European Journal</i> , 2016, 22, 12012-12021.	3.9	61
32	Phosphonium Acesulfamate Based Ionic Liquids. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 650-652.	2.5	60
33	Glyphosate-Based Herbicidal Ionic Liquids with Increased Efficacy. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 2845-2851.	6.9	59
34	Metsulfuron-Methyl-Based Herbicidal Ionic Liquids. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 3357-3366.	5.4	59
35	N-[1-(Benzotriazol-1-yl)alkyl]amides, versatile amidoalkylation reagents. 5. A general and convenient route to N-(.alpha.-alkoxyalkyl)amides. <i>Journal of Organic Chemistry</i> , 1992, 57, 547-549.	3.3	58
36	Sulfonyl derivatives of benzotriazole: Part 1. A novel approach to the activation of carboxylic acids. <i>Tetrahedron</i> , 1992, 48, 7817-7822.	2.0	55

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37	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	54
38	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.	5.4	54
39	Cytotoxicity, acute and subchronic toxicity of ionic liquid, didecyltrimethylammonium saccharinate, in rats. <i>Regulatory Toxicology and Pharmacology</i> , 2010, 57, 266-273.	2.8	52
40	Herbicidal ionic liquids based on esterquats. <i>New Journal of Chemistry</i> , 2015, 39, 5715-5724.	2.7	52
41	Confinement of Symmetric Tetraalkylammonium Ions in Nanoporous Carbon Electrodes of Electric Double-Layer Capacitors. <i>Journal of Physical Chemistry C</i> , 2009, 113, 13443-13449.	3.3	50
42	3-Alkoxyethyl-1-(1R,2S,5R)-(âˆš)-menthoxyethylimidazolium salts-based chiral ionic liquids. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 2709-2718.	1.7	50
43	Herbicidal ionic liquid with dual-function. <i>Tetrahedron</i> , 2013, 69, 8132-8136.	2.0	50
44	Phenoxy herbicidal ammonium ionic liquids. <i>Tetrahedron</i> , 2014, 70, 4784-4789.	2.0	49
45	The properties of 1-alkoxyethyl-3-hydroxypyridinium and 1-alkoxyethyl-3-dimethylaminopyridinium chlorides. <i>Journal of Surfactants and Detergents</i> , 2003, 6, 119-123.	2.0	46
46	Bioherbicidal Ionic Liquids. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 2741-2750.	6.9	46
47	Hydrosilylation of functionalised olefins catalysed by rhodium siloxide complexes in ionic liquids. <i>Green Chemistry</i> , 2009, 11, 1045.	9.3	44
48	Biodegradable herbicidal ionic liquids based on synthetic auxins and analogues of betaine. <i>New Journal of Chemistry</i> , 2017, 41, 8066-8077.	2.7	44
49	Multifunctional long-alkyl-chain quaternary ammonium azolate based ionic liquids. <i>New Journal of Chemistry</i> , 2010, 34, 2281.	2.7	43
50	Herbicidal ionic liquids derived from renewable sources. <i>RSC Advances</i> , 2016, 6, 52781-52789.	3.7	39
51	Influence of the alkyl chain length on the physicochemical properties and biological activity in a homologous series of dichloroprop-based herbicidal ionic liquids. <i>Journal of Molecular Liquids</i> , 2019, 276, 431-440.	5.0	38
52	Ionic Liquids and Paper. <i>Industrial &amp; Engineering Chemistry Research</i> , 2005, 44, 4599-4604.	3.8	37
53	Chiral pyridinium-based ionic liquids containing the (1R,2S,5R)-(âˆš)-menthyl group. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 1728-1737.	1.7	36
54	Phase Equilibria of an Ammonium Ionic Liquid with Organic Solvents and Water. <i>Journal of Chemical &amp; Engineering Data</i> , 2007, 52, 309-314.	2.0	36

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55	Ionic Liquids as Vulcanization Accelerators. <i>Industrial &amp; Engineering Chemistry Research</i> , 2010, 49, 5012-5017.	3.8	36
56	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.	6.9	36
57	Biobased Ionic Liquids with Abietate Anion. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 6543-6550.	6.9	35
58	Alkyl(C <sub>16</sub> , C <sub>18</sub> , C <sub>22</sub> )trimethylammonium-Based Herbicidal Ionic Liquids. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 260-269.	5.4	34
59	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.	6.9	34
60	Efficacy of herbicidal ionic liquids and choline salt based on 2,4-D. <i>Crop Protection</i> , 2017, 98, 85-93.	2.3	33
61	Dicamba-Based Herbicides: Herbicidal Ionic Liquids versus Commercial Forms. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 4588-4594.	5.4	32
62	Ionic liquids with a theophyllinate anion. <i>New Journal of Chemistry</i> , 2014, 38, 3146-3153.	2.7	31
63	Ammonium ionic liquids with anions of natural origin. <i>RSC Advances</i> , 2015, 5, 65471-65480.	3.7	31
64	Synthesis and Structure-Property Relationships in Herbicidal Ionic Liquids and their Double Salts. <i>ChemPlusChem</i> , 2018, 83, 529-541.	3.1	31
65	Synthesis and properties of ammonium ionic liquids with cyclohexyl substituent and dissolution of cellulose. <i>RSC Advances</i> , 2012, 2, 8429.	3.7	30
66	Synthesis and Aqueous Ozonation of Some Pyridinium Salts with Alkoxymethyl and Alkylthiomethyl Hydrophobic Groups. <i>Industrial &amp; Engineering Chemistry Research</i> , 2004, 43, 1966-1974.	3.8	29
67	Protic ionic liquids with organic anion as wood preservative. <i>Holzforschung</i> , 2005, 59, 473-475.	2.0	29
68	Phase equilibria of didecyldimethylammonium nitrate ionic liquid with water and organic solvents. <i>Journal of Chemical Thermodynamics</i> , 2007, 39, 729-736.	2.1	28
69	Ionic liquids based stored product insect antifeedants. <i>RSC Advances</i> , 2013, 3, 25019.	3.7	28
70	1-Alkoxymethyl-X-dimethylaminopyridinium-base ionic liquids in wood preservation. <i>Holzforschung</i> , 2008, 62, 309-317.	2.0	27
71	Known triazole fungicides – a new trick. <i>RSC Advances</i> , 2015, 5, 9695-9702.	3.7	27
72	Ionic liquids as an alternative to formalin in histopathological diagnosis. <i>Acta Histochemica</i> , 2005, 107, 149-156.	1.9	26

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73	N-[1-(Benzotriazol-1-yl)alkyl]amides, Versatile Amidoalkylation Reagents. Part 2. Amidoalkylation of Aromatic Compounds. <i>Synthesis</i> , 1991, 1991, 868-870.	2.2	25
74	N-[1-(Benzotriazol-1-yl)alkyl]amides, Versatile Amidoalkylation Reagents. Part 3.1 Syntheses of Open-Chain N-Protected-Hemithioaminals. <i>Synthesis</i> , 1991, 1991, 1147-1150.	2.2	24
75	Ammonium bio-ionic liquids based on camelina oil as potential novel agrochemicals. <i>RSC Advances</i> , 2018, 8, 28676-28683.	3.7	24
76	New Quaternary Ammonium Chlorides - Wood Preservatives. <i>Holzforschung</i> , 1998, 52, 249-254.	2.0	23
77	Diallyldimethylammonium and trimethylvinylammonium ionic liquids – Synthesis and application to catalysis. <i>Applied Catalysis A: General</i> , 2013, 451, 168-175.	4.6	23
78	Synthesis, Properties, and Antimicrobial Activity of 1-Alkyl-4-hydroxy-1-methylpiperidinium Ionic Liquids with Mandelate Anion. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 15053-15063.	6.9	23
79	Synthesis, properties and adjuvant activity of docusate-based ionic liquids in pesticide formulations. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 78, 440-447.	6.0	23
80	Choline-based ionic liquids as adjuvants in pesticide formulation. <i>Journal of Molecular Liquids</i> , 2021, 327, 114792.	5.0	23
81	Palladium-catalyzed asymmetric Heck arylation of 2,3-dihydrofuran – effect of proline salts. <i>Dalton Transactions</i> , 2013, 42, 1215-1222.	3.4	21
82	Synthesis of N-[1-(Imidazol-1-yl)alkyl]amides. <i>Synthesis</i> , 1994, 1994, 1415-1417.	2.2	20
83	Pyrylium sulfonate based ionic liquids. <i>Tetrahedron Letters</i> , 2011, 52, 4342-4345.	1.4	20
84	Glycine betaine-based ionic liquids and their influence on bacteria, fungi, insects and plants. <i>New Journal of Chemistry</i> , 2021, 45, 6344-6355.	2.7	20
85	Synthesis and anti-microbial activities of some pyridinium salts with alkoxy methyl hydrophobic group. <i>European Journal of Medicinal Chemistry</i> , 2001, 36, 899-907.	5.8	20
86	Effect of chiral ionic liquids on palladium-catalyzed Heck arylation of 2,3-dihydrofuran. <i>Applied Catalysis A: General</i> , 2011, 409-410, 148-155.	4.6	19
87	Sweet ionic liquids-cyclamates: Synthesis, properties, and application as feeding deterrents. <i>Science China Chemistry</i> , 2012, 55, 1532-1541.	8.8	19
88	Inhibition of germination and early growth of rape seed ( <i>Brassica napus</i> L.) by MCPA in anionic and ester form. <i>Acta Physiologiae Plantarum</i> , 2014, 36, 699-711.	2.2	19
89	Bio-ionic Liquids as Adjuvants for Sulfonylurea Herbicides. <i>Weed Science</i> , 2018, 66, 404-414.	1.6	19
90	Positive electrode material in lead-acid car battery modified by protic ammonium ionic liquid. <i>Journal of Energy Storage</i> , 2019, 26, 100996.	8.3	19

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91	Synthetic auxin-based double salt ionic liquids as herbicides with improved physicochemical properties and biological activity. <i>Journal of Molecular Liquids</i> , 2021, 334, 116452.	5.0	19
92	Ionic Liquids for the Production of Insecticidal and Microbicidal Extracts of the Fungus <i>Cantharellus cibarius</i> . <i>Chemistry and Biodiversity</i> , 2007, 4, 2218-2224.	2.2	18
93	Electrochemical properties of positive electrode in lead-acid battery modified by ammonium-based ionic liquids. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 919-930.	2.6	18
94	Herbicidal Ionic Liquids Containing the Acetylcholine Cation. <i>ChemPlusChem</i> , 2019, 84, 268-276.	3.1	16
95	Third-generation ionic liquids with <i>N</i> -alkylated 1,4-diazabicyclo[2.2.2]octane cations and pelargonate anions. <i>RSC Advances</i> , 2020, 10, 8653-8663.	3.7	16
96	Studies on the thermal decarboxylation of 1-alkoxycarbonylbenzotriazoles. <i>Journal of Physical Organic Chemistry</i> , 1993, 6, 567-573.	1.9	15
97	Difunctional ammonium ionic liquids with bicyclic cations. <i>New Journal of Chemistry</i> , 2019, 43, 4477-4488.	2.7	15
98	Conversion of Quinine Derivatives into Biologically Active Ionic Liquids: Advantages, Multifunctionality, and Perspectives. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 9263-9267.	6.9	15
99	Protic, Imidazolium Ionic Liquids as Media for (Z)- to (E)-Alkene Isomerization. <i>Chemistry Letters</i> , 2006, 35, 210-211.	1.4	14
100	Quantifying the Mineralization of <sup>13</sup> 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.	6.9	14
101	Epoxy resins cured with ionic liquids as novel supports for metal complex catalysts. <i>Comptes Rendus Chimie</i> , 2013, 16, 752-760.	0.7	13
102	Preparation and characterization of functionalized precipitated silica SYLOID®244 using ionic liquids as modifiers. <i>Surface and Interface Analysis</i> , 2004, 36, 1491-1496.	1.7	12
103	Dicationic triazolium fungicidal ionic liquids with herbicidal properties. <i>Chemical Papers</i> , 2020, 74, 261-271.	2.2	12
104	“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.	2.7	12
105	Use of ammonium salts or binary mixtures derived from amino acids, glycine betaine, choline and indole-3-butyric acid as plant regulators. <i>RSC Advances</i> , 2020, 10, 43058-43065.	3.7	12
106	Synthesis and Bactericidal Properties of Pyridinium Chlorides with Alkylthiomethyl and Alkoxyethyl Hydrophobic Groups. <i>Journal of Pharmaceutical Sciences</i> , 1991, 80, 91-95.	3.4	11
107	Catalytic cycloisomerisation of 1,6-dienes in ionic liquids. <i>Tetrahedron</i> , 2008, 64, 3687-3690.	2.0	11
108	Protic ionic liquids with N-chloroalkyl functionalized cations as electrolytes for carbon-based electrochemical capacitors. <i>Electrochimica Acta</i> , 2017, 246, 971-980.	5.4	11

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109	Acute and subacute (28-Day) toxicity studies of ionic liquid, didecyltrimethyl ammonium acesulfamate, in rats. <i>Drug and Chemical Toxicology</i> , 2009, 32, 395-404.	2.4	10
110	Palladium Catalyzed Heck Arylation of 2,3-Dihydrofuran – Effect of the Palladium Precursor. <i>Molecules</i> , 2014, 19, 8402-8413.	3.9	10
111	Synthesis and Characterization of Double Salt Herbicidal Ionic Liquids Comprising both 4-Chloro-2-methylphenoxyacetate and <i>trans</i> -Cinnamate Anions. <i>ChemPlusChem</i> , 2020, 85, 2281-2289.	3.9	10
112	Synthesis and characterization of bio-based quaternary ammonium salts with gibberellate or l-tryptophanate anion. <i>Monatshefte für Chemie</i> , 2020, 151, 1365-1373.	1.9	10
113	Amino acid-based dicationic ionic liquids as complex crop protection agents. <i>Journal of Molecular Liquids</i> , 2022, 360, 119357.	5.0	10
114	Quantitative Relation between Surface Active Properties and Antibiotic Activity of 1-Alkyl-3-alkylthiomethylimidazolium Chlorides.. <i>Chemical and Pharmaceutical Bulletin</i> , 1995, 43, 2019-2020.	1.4	9
115	Synthesis and properties of gallate ionic liquids. <i>Tetrahedron</i> , 2016, 72, 7409-7416.	2.0	9
116	Synthese von 3,5-Dimethyl-, 3-Brom- und 3-Chlor-1-(n-alkylthiomethyl)pyridiniumchloriden. <i>Archiv Der Pharmazie</i> , 1983, 316, 916-921.	4.3	8
117	Wirkung neuer Iminiumverbindungen gegen ausgewählte Bakterien- und Pilzstämme, 9. Mitt. Synthese von 1,2-Dimethyl- und 1-Butyl-3-(n-alkylthiomethyl)imidazoliumchloriden. <i>Archiv Der Pharmazie</i> , 1984, 317, 430-434.	4.3	8
118	Synthesis and properties of ionic liquids based on mecoprop. <i>New Journal of Chemistry</i> , 2018, 42, 17259-17267.	2.7	8
119	Voltammetric sensor based on long alkyl chain tetraalkylammonium ionic liquids comprising ascorbate anion for determination of nitrite. <i>Mikrochimica Acta</i> , 2021, 188, 54.	5.1	8
120	Dicationic Herbicidal Ionic Liquids Comprising Two Active Ingredients Exhibiting Different Modes of Action. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 2545-2553.	5.4	8
121	Influence of Counterions on the Interaction of Pyridinium Salts with Model Membranes. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1999, 54, 952-955.	1.4	7
122	Long-Chain Ionic Liquids Based on Monoquaternary DABCO Cations and TFSI Anions: Towards Stable Electrolytes for Electrochemical Capacitors. <i>ChemPlusChem</i> , 2020, 85, 2679-2688.	3.1	7
123	Quaternary ammonium nonanoate-based ionic liquids as chemicals for crop protection. <i>European Journal of Chemistry</i> , 2016, 7, 217-224.	0.7	7
124	L-Carnitine-Based Bio-Ionic Liquids as Antioxidants. <i>ChemistrySelect</i> , 2021, 6, 1994-2001.	1.7	6
125	Conversion of L-Tryptophan Derivatives into Biologically Active Amino Acid Ionic Liquids. <i>ChemistrySelect</i> , 2021, 6, 5614-5621.	1.7	6
126	Wirkung neuer quartärer Iminiumverbindungen gegen ausgewählte Bakterien- und Pilzstämme, 7. Mitt. Synthese von N-Alkylthiomethylchinoliniumchloriden 1 und den entsprechenden 6-Methyl-Verbindungen 2. <i>Archiv Der Pharmazie</i> , 1984, 317, 152-156.	4.3	5



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127	Synthesis and Antibiotic Activity of 1-Cycloalkoxymethyl-4-dimethylaminopyridinium and 1-[(1-Alkoxy)ethyl]-4-dimethylaminopyridinium Chlorides. <i>Archiv Der Pharmazie</i> , 1995, 328, 531-533.	4.3	5
128	Synthesis and Antimicrobial Activity of New 1-Benzylbenzimidazolium Chlorides. <i>Archiv Der Pharmazie</i> , 1997, 330, 253-258.	4.3	5
129	Reaction of Phenolic Mannich Base with Trialkyl Phosphite. <i>Synthetic Communications</i> , 2000, 30, 1535-1541.	2.0	5
130	Synthesis and properties of new cationic surfactants: 1-Alkylthiomethyl-3-carbamoylpyridinium chlorides. <i>Journal of Surfactants and Detergents</i> , 2005, 8, 233-239.	2.0	5
131	Naturally based ionic liquids with indole-3-acetate anions and cations derived from cinchona alkaloids. <i>RSC Advances</i> , 2021, 11, 27530-27540.	3.7	5
132	Wirkung neuer Iminiumverbindungen gegen ausgewählte Bakterien- und Pilzstämmen, 20. Mitt.: Synthese von 1-Methyl-2-alkyl-3-(n-alkoxymethyl)- und 1-Methyl-3-(n-alkoxymethyl)-5-chlorimidazoliumchloriden. <i>Archiv Der Pharmazie</i> , 1988, 321, 193-197.	4.3	4
133	Synthesis and Antimicrobial Activity of New Quaternary Ammonium Chlorides. <i>Archiv Der Pharmazie</i> , 1996, 329, 279-282.	4.3	4
134	Ionic liquids based on 2-chloroethyltrimethylammonium chloride (CCC) as plant growth regulators. <i>Open Chemistry</i> , 2013, 11, 1816-1821.	2.0	4
135	Synthesis and characterization of herbicidal ionic liquids based on (4-chloro-2-methylphenoxy)acetate and phenoxyethylammonium. <i>Chemical Papers</i> , 2021, 75, 3607-3615.	2.2	4
136	Herbicidal ionic liquids containing double or triple anions as a new potential tool for weed control including herbicide-resistant biotypes. <i>Crop Protection</i> , 2023, 169, 106238.	2.3	4
137	Wirkung neuer Iminiumverbindungen gegen ausgewählte Bakterien- und Pilzstämmen, 10. Mitt. Synthese von n-Alkoxymethylchinoliniumchloriden und Derivaten. <i>Archiv Der Pharmazie</i> , 1985, 318, 410-415.	4.3	3
138	Wirkung neuer Iminiumverbindungen gegen ausgewählte Bakterien- und Pilzstämmen, 24. Mitt.: Synthese von 1-n-Octyl-2-phenyl-3-(n-alkylthiomethyl)- und 1-n-Octyl-2-phenyl-3-(n-alkoxymethyl)imidazoliumchloriden Activities of New Iminium Compounds on Selected Strains of Bacteria and Fungi, XXIV: Synthesis of 1-n-Octyl-2-phenyl-3-(n-alkylthiomethyl)- and 1-n-Octyl-2-phenyl-3-(n-alkoxymethyl)imidazolium Chlorides. <i>Archiv Der Pharmazie</i> , 1990, 323, 307-310.	4.3	3
139	Iminiumverbindungen gegen Bakterien und Pilze, 29. Mitt.: 3-Alkoxymethyl-1-ethyl-, 3-Alkylthiomethyl-1-ethyl-, 3-Alkoxymethyl-1-butyl- und 3-Alkylthiomethyl-1-butylbenzimidazolium-chloride. <i>Archiv Der Pharmazie</i> , 1993, 326, 237-240.	4.3	3
140	Pharmacokinetic Profile of 1-Methylnicotinamide Nitrate in Rats. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 1412-1418.	3.4	3
141	Wirkung neuer Iminiumverbindungen gegen Bakterien und Pilze, 30. Mitt.: 3-Alkoxymethyl-1-hexyl-, 3-Alkylthiomethyl-1-hexyl-, 3-Alkoxymethyl-1-oktyl- und 3-Alkylthiomethyl-1-oktylbenzimidazoliumchloride. <i>Archiv Der Pharmazie</i> , 1994, 327, 115-117.	4.3	2
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