

Andrzej Skrzypczak

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.

40 papers	422 citations	12 h-index	19 g-index
52 ext. papers	504 ext. citations	3.5 avg, IF	3.61 L-index

#	Paper	IF	Citations
40	Synthesis and properties of trigeminal tricationic ionic liquids. <i>Chemistry - A European Journal</i> , 2007 , 13, 3106-12	4.8	60
39	Building blocks for ionic liquids: Vapor pressures and vaporization enthalpies of 1-(n-alkyl)-imidazoles. <i>Journal of Chemical Thermodynamics</i> , 2011 , 43, 1500-1505	2.9	38
38	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
37	Antimicrobial activity and SAR study of new gemini imidazolium-based chlorides. <i>Chemical Biology and Drug Design</i> , 2014 , 83, 278-88	2.9	26
36	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
35	A comparison of protic and aprotic ionic liquids as effective activating agents of kraft lignin. Developing functional MnO ₂ /lignin hybrid materials. <i>Journal of Molecular Liquids</i> , 2018 , 261, 456-467	6	17
34	Catalyst-free activation of kraft lignin in air using hydrogen sulfate ionic liquids. <i>International Journal of Biological Macromolecules</i> , 2018 , 119, 431-437	7.9	17
33	Building Blocks for Ionic Liquids: A Study of Alkyl Chain Length Dependence of Vaporization Enthalpies of 1-(n-Alkyl)-2-methylimidazoles. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 3532-3540	2.8	17
32	The influence of the cation type of ionic liquid on the production of nanocrystalline cellulose and mechanical properties of chitosan-based biocomposites. <i>Cellulose</i> , 2019 , 26, 4827-4840	5.5	16
31	The effect of chemical modification of wood in ionic liquids on the supermolecular structure and mechanical properties of wood/polypropylene composites. <i>Cellulose</i> , 2018 , 25, 4639-4652	5.5	16
30	Determination of the Percolation Threshold for the Oxalic, Tartaric, and Lactic Acids Transport through Polymer Inclusion Membranes with 1-Alkylimidazoles as a Carrier. <i>Separation Science and Technology</i> , 2014 , 49, 1745-1755	2.5	14
29	Functional Hybrid Materials Based on Manganese Dioxide and Lignin Activated by Ionic Liquids and Their Application in the Production of Lithium Ion Batteries. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	13
28	Development of Acidic Imidazolium Ionic Liquids for Activation of Kraft Lignin by Controlled Oxidation: Comprehensive Evaluation and Practical Utility. <i>ChemPlusChem</i> , 2018 , 83, 361-374	2.8	12
27	Prediction of antifungal activity of gemini imidazolium compounds. <i>BioMed Research International</i> , 2015 , 2015, 392326	3	12
26	The controlled oxidation of kraft lignin in mild conditions using ionic liquid as a crucial point in fabrication of antibacterial hybrid materials. <i>Journal of Molecular Liquids</i> , 2019 , 274, 370-378	6	12
25	The structure and morphology of gold nanoparticles produced in cationic gemini surfactant systems. <i>Radiation Physics and Chemistry</i> , 2013 , 93, 160-167	2.5	11
24	Clear distinction between CAC and CMC revealed by high-resolution NMR diffusometry for a series of bis-imidazolium gemini surfactants in aqueous solutions.. <i>RSC Advances</i> , 2018 , 8, 38470-38482	3.7	10

23	Structural and spectroscopic studies on the formation of lipoplexes between DNA and cationic gemini surfactants. <i>Polimery</i> , 2014 , 59, 569-574	3.4	8
22	Dispersion of Water Proton Spin Lattice Relaxation Rates in Aqueous Solutions of Multiwall Carbon Nanotubes (MWCNTs) Stabilized via Alkylloxymethylimidazolium Surfactants. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 11839-11850	3.8	7
21	Benchmark properties of pyrazole derivatives as a potential liquid organic hydrogen carrier: Evaluation of thermochemical data with complementary experimental and computational methods. <i>Journal of Chemical Thermodynamics</i> , 2019 , 128, 173-186	2.9	7
20	Quantitative relation between surface active properties and antibiotic activity of 1-alkyl-3-alkylthiomethylimidazolium chlorides. <i>Chemical and Pharmaceutical Bulletin</i> , 1995 , 43, 2019-20	1.9	7
19	Dicationic Surfactants with Glycine Counter Ions for Oligonucleotide Transportation. <i>ChemPhysChem</i> , 2016 , 17, 2424-33	3.2	5
18	Structural and spectroscopic studies of DMPC/cationic surfactant system. <i>Journal of Non-Crystalline Solids</i> , 2010 , 356, 747-753	3.9	5
17	Influence of the benzyl substituent on radiation chemistry of selected ionic liquids: gaseous products analysis. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016 , 307, 195-202	1.5	4
16	Analysis of Relationships Between Structure, Surface Properties, and Antimicrobial Activity of Quaternary Ammonium Chlorides. <i>QSAR and Combinatorial Science</i> , 2009 , 28, 995-1002		4
15	Application of the Rough Set Theory in Structure Activity Relationships of Antielectrostatic Imidazolium Compounds. <i>QSAR and Combinatorial Science</i> , 2001 , 20, 395-401		4
14	Adsorption of dimeric surfactants in lamellar silicates. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015 , 364, 108-115	1.2	3
13	Application of Rough Set Theory to Prediction of Antimicrobial Activity of Bis-Quaternary Imidazolium Chlorides. <i>Fundamenta Informaticae</i> , 2014 , 132, 315-330	1	3
12	Synthesis and antimicrobial activity of new quaternary ammonium chlorides. <i>Archiv Der Pharmazie</i> , 1996 , 329, 279-82	4.3	3
11	Application of Rough Set Theory to Prediction of Antimicrobial Activity of Bis-quaternary Ammonium Chlorides. <i>Lecture Notes in Computer Science</i> , 2012 , 107-116	0.9	3
10	Facilitated Transport of Copper(II) across Polymer Inclusion Membrane with Triazole Derivatives as Carrier. <i>Membranes</i> , 2020 , 10,	3.8	3
9	Innovative ionic liquids as functional agent for wood-polymer composites. <i>Cellulose</i> , 2021 , 28, 10589	5.5	3
8	The thermal deactivation of all-trans and 15-cis beta-carotene-excited states in the ionic liquids without and with methylenoxy group. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015 , 120, 627-632	4.1	2
7	Ammonium Gemini Surfactants Form Complexes with Model Oligomers of siRNA and dsDNA. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	2
6	Studies on copper(II) leaching from e-waste with hydrogen sulfate ionic liquids: Effect of hydrogen peroxide. <i>Hydrometallurgy</i> , 2021 , 205, 105730	4	2

- 5 Structural characterization of transfection nanosystems based on tricationic surfactants and short double stranded oligonucleotides. *Biochemical and Biophysical Research Communications*, **2019**, 518, 706-711 ^{3.4} 1
- 4 Antimicrobial and Cytotoxic Activity of Novel Imidazolium-Based Ionic Liquids.. *Molecules*, **2022**, 27, 4.8 1
- 3 Ionic Liquid Modified Electrochemical Capacitor with Long-Term Performance. *ChemElectroChem*, **2021**, 8, 3685-3694 4.3 0
- 2 Crystal structure of 1-benzyl-3-cyclododecyloxymethylimidazolium nitrate, [C₂₃H₃₅N₂O][NO₃]. *Zeitschrift Fur Kristallographie - New Crystal Structures*, **2009**, 224, 85-86 0.2
- 1 A Rough Set Approach to Novel Compounds Activity Prediction Based on Surface Active Properties and Molecular Descriptors. *Lecture Notes in Computer Science*, **2014**, 153-160 0.9