

# Marija BeÄ;ter RogaÄ•

## List of Publications by Year in descending order

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105  
papers

2,645  
citations

172457

29  
h-index

214800

47  
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112  
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112  
docs citations

112  
times ranked

2661  
citing authors

#	ARTICLE	IF	CITATIONS
1	Counterion-Induced Aggregation of Metallocarboranes. <i>Journal of Physical Chemistry C</i> , 2022, 126, 5735-5742.	3.1	9
2	Usually overlooked problems related with measurements of high-heat effects using power compensation isothermal titration calorimetry. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 145, 87-96.	3.6	7
3	Cation isomerism effect on micellization of pyridinium based surface-active ionic liquids. <i>Journal of Molecular Liquids</i> , 2021, 337, 116353.	4.9	8
4	Influence of structural changes of cation and anion on phytotoxicity of selected surface active ionic liquids. <i>Journal of Molecular Liquids</i> , 2021, 342, 117458.	4.9	1
5	Hydration and counterion binding of aqueous acetylcholine chloride and carbamoylcholine chloride. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 25086-25096.	2.8	2
6	Influence of oxygen functionalization on physico-chemical properties of imidazolium based ionic liquids – Experimental and computational study. <i>Arabian Journal of Chemistry</i> , 2020, 13, 1598-1611.	4.9	11
7	Thermodynamic and computational study of isomerism effect at micellization of imidazolium based surface-active ionic liquids: Counterion structure. <i>Journal of Molecular Liquids</i> , 2020, 301, 112419.	4.9	16
8	Conductivity study with caffeinate anion - Caffeic acid and its sodium and potassium salts. <i>Journal of Molecular Liquids</i> , 2020, 300, 112219.	4.9	1
9	The effect of polar head group of dodecyl surfactants on the growth of wheat and cucumber. <i>Chemosphere</i> , 2020, 254, 126918.	8.2	8
10	Interplay between aggregation number, micelle charge and hydration of catanionic surfactants. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 9998-10009.	2.8	10
11	Scalable Synthesis of Salt-free Quaternary Ammonium Carboxylate Catanionic Surfactants. <i>Acta Chimica Slovenica</i> , 2020, 67, 270-275.	0.6	2
12	Ionic Liquids: Simple or Complex Electrolytes?. <i>Acta Chimica Slovenica</i> , 2020, 67, 1-14.	0.6	6
13	Monitoring Photocatalytic Degradation of Plasmocorinth B with Titania Thin Films using Non-Resonant Spectroscopic Methods. <i>ChemistrySelect</i> , 2019, 4, 4112-4117.	1.5	1
14	Hydration and ion association of aqueous choline chloride and chlorocholine chloride. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 10970-10980.	2.8	24
15	Insight into the Hydration of Cationic Surfactants: A Thermodynamic and Dielectric Study of Functionalized Quaternary Ammonium Chlorides. <i>Langmuir</i> , 2019, 35, 3759-3772.	3.5	20
16	Interactions in aqueous solutions of imidazolium chloride ionic liquids [Cnmim][Cl] (n = 0, 1, 2, 4, 6, 8) from volumetric properties, viscosity B-coefficients and molecular dynamics simulations. <i>Journal of Molecular Liquids</i> , 2018, 254, 267-271.	4.9	26
17	Influence of the alkyl chain length on densities and volumetric properties of 1,3-dialkylimidazolium bromide ionic liquids and their aqueous solutions. <i>Journal of Chemical Thermodynamics</i> , 2018, 121, 72-78.	2.0	17
18	A systematic study on physicochemical and transport properties of imidazolium-based ionic liquids with $\beta$ -butyrolactone. <i>Journal of Chemical Thermodynamics</i> , 2018, 116, 330-340.	2.0	11

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19	Total Description of Intrinsic Amphiphile Aggregation: Calorimetry Study and Molecular Probing. <i>Langmuir</i> , 2018, 34, 14448-14457.	3.5	13
20	Effect of cationic structure of surface active ionic liquids on their micellization: A thermodynamic study. <i>Journal of Molecular Liquids</i> , 2018, 271, 437-442.	4.9	34
21	Insights into interactions between 1-butyl-3-methylimidazolium dicyanamide and molecular solvents: Î³-valerolactone, Î³-butyrolactone and propylene carbonate. Volumetric properties and MD simulations. <i>Journal of Molecular Liquids</i> , 2018, 268, 481-489.	4.9	7
22	Thermodynamic study for micellization of imidazolium based surface active ionic liquids in water: Effect of alkyl chain length and anions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 532, 609-617.	4.7	65
23	Microstructure evaluation of dermally applicable liquid crystals as a function of water content and temperature: Can electron paramagnetic resonance provide complementary data?. <i>International Journal of Pharmaceutics</i> , 2017, 533, 431-444.	5.2	6
24	Investigation of 1,2,3-trialkylimidazolium ionic liquids: experiment and density functional theory calculations. <i>New Journal of Chemistry</i> , 2017, 41, 650-660.	2.8	12
25	A comparative study on the interactions of [bmim][NTf2] ionic liquid with selected four- to seven-membered-ring lactones. <i>Journal of Chemical Thermodynamics</i> , 2017, 107, 170-181.	2.0	9
26	Physicochemical and electrochemical characterisation of imidazolium based IL + GBL mixtures as electrolytes for lithium-ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 28139-28152.	2.8	10
27	The physicochemical properties of a [DEME][TFSI] ionic liquid-based electrolyte and their influence on the performance of lithium-sulfur batteries. <i>Electrochimica Acta</i> , 2017, 252, 147-153.	5.2	26
28	Electrical, electrochemical and thermal properties of the ionic liquid + lactone binary mixtures as the potential electrolytes for lithium-ion batteries. <i>Journal of Molecular Liquids</i> , 2017, 243, 52-60.	4.9	16
29	Classical problem of determination of limiting conductances of acetate anion revisited. <i>Journal of Molecular Liquids</i> , 2017, 247, 397-402.	4.9	4
30	Two-Step Micellization Model: The Case of Long-Chain Carboxylates in Water. <i>Langmuir</i> , 2017, 33, 7722-7731.	3.5	21
31	A conductivity study of dilute aqueous solutions of tetramethylammonium hexacyanoferrate(III), tetraethylammonium hexacyanoferrate(III) and benzyltrimethylammonium hexacyanoferrate(III). <i>Journal of Molecular Liquids</i> , 2017, 228, 38-44.	4.9	1
32	Molecular dynamics study of stability and disintegration of long rod-like micelles: Dodecyltrimethylammonium chloride in solutions of hydroxybenzoates. <i>Journal of Molecular Liquids</i> , 2017, 228, 150-159.	4.9	3
33	Study of interactions between hyaluronan and cationic surfactants by means of calorimetry, turbidimetry, potentiometry and conductometry. <i>Carbohydrate Polymers</i> , 2017, 157, 1837-1843.	10.2	10
34	Electrochemical Performance of Anatase TiO <sub>2</sub> Nanotube Arrays Electrode in Ionic Liquid Based Electrolyte for Lithium Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2017, 164, H5100-H5107.	2.9	15
35	The effect of the alkyl chain length on physicochemical features of (ionic liquids + Î³-butyrolactone) binary mixtures. <i>Journal of Chemical Thermodynamics</i> , 2016, 99, 1-10.	2.0	38
36	Mobility and association of ions in aqueous solutions: the case of imidazolium based ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 28594-28605.	2.8	47

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37	Structure and Stability of Long Rod-like Dodecyltrimethylammonium Chloride Micelles in Solutions of Hydroxybenzoates: A Molecular Dynamics Simulation Study. <i>Langmuir</i> , 2016, 32, 8275-8286.	3.5	11
38	Effect of the alkyl chain length on the electrical conductivity of six (imidazolium-based ionic liquids) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.0	31
39	Electrical and electrochemical behavior of [bmim][DCA] + $\hat{1}^3$ -butyrolactone electrolyte. <i>Journal of Chemical Thermodynamics</i> , 2016, 101, 293-299.	2.0	14
40	Interactions of 1,2,3-trialkylimidazolium-based ionic liquids with $\hat{1}^3$ -butyrolactone. <i>Journal of Chemical Thermodynamics</i> , 2016, 101, 260-269.	2.0	16
41	Volumetric and viscosimetric properties of [bmim][DCA] + $\hat{1}^3$ -butyrolactone binary mixtures. <i>Journal of Chemical Thermodynamics</i> , 2016, 97, 307-314.	2.0	15
42	Indoor Nanoparticles Measurements in Workplace Environment: The Case of Printing and Photocopy Center. <i>Acta Chimica Slovenica</i> , 2016, 63, 327-334.	0.6	4
43	Thermodynamics of the micellization process of carboxylates: A conductivity study. <i>Journal of Chemical Thermodynamics</i> , 2015, 83, 117-122.	2.0	49
44	Physicochemical properties of (1-butyl-1-methylpyrrolydinium dicyanamide + $\hat{1}^3$ -butyrolactone) binary mixtures. <i>Journal of Chemical Thermodynamics</i> , 2015, 91, 327-335.	2.0	38
45	Electrical conductances of dilute aqueous solutions of $\hat{1}^2$ -lactam antibiotics of the penicillin group in the 278.15K to 313.15K temperature range. Sodium salts of oxacillin, cloxacillin, dicloxacillin and nafcillin. <i>Journal of Molecular Liquids</i> , 2015, 211, 417-424.	4.9	4
46	Viscosity B-Coefficient for Sodium Chloride in Aqueous Mixtures of 1,4-Dioxane at Different Temperatures. <i>Acta Chimica Slovenica</i> , 2015, 62, 531-537.	0.6	7
47	Hydrophobicity of counterions as a driving force in the self-assembly process: Dodecyltrimethylammonium chloride and parabens. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 460, 108-117.	4.7	14
48	Ion Association of Imidazolium Ionic Liquids in Acetonitrile. <i>Journal of Physical Chemistry B</i> , 2014, 118, 1426-1435.	2.6	53
49	An investigation of ion-pairing of alkali metal halides in aqueous solutions using the electrical conductivity and the Monte Carlo computer simulation methods. <i>Journal of Molecular Liquids</i> , 2014, 190, 34-41.	4.9	38
50	Ion mobility and clustering of sodium hydroxybenzoates in aqueous solutions: a molecular dynamics simulation study. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 19314-19326.	2.8	3
51	Thermodynamics of Micellization from Heatä€Capacity Measurements. <i>ChemPhysChem</i> , 2014, 15, 1827-1833.	2.1	4
52	A Conductivity Study of Unsymmetrical 2:1 Type äœComplex Ionä€Electrolyte: Cadmium Chloride in Dilute Aqueous Solutions. <i>Journal of Physical Chemistry B</i> , 2013, 117, 5241-5248.	2.6	8
53	Lecithin based lamellar liquid crystals as a physiologically acceptable dermal delivery system for ascorbyl palmitate. <i>European Journal of Pharmaceutical Sciences</i> , 2013, 50, 114-122.	4.0	58
54	Crystallization Using Reverse Micelles and Water-in-Oil Microemulsion Systems: The Highly Selective Tool for the Purification of Organic Compounds from Complex Mixtures. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 330-335.	3.3	3

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55	Discovery of the first inhibitors of bacterial enzyme d-aspartate ligase from <i>Enterococcus faecium</i> (Aslfm). <i>European Journal of Medicinal Chemistry</i> , 2013, 67, 208-220.	5.5	19
56	Salicylate Isomer-Specific Effect on the Micellization of Dodecyltrimethylammonium Chloride: Large Effects from Small Changes. <i>Langmuir</i> , 2013, 29, 4460-4469.	3.5	33
57	Physical characteristics of poly (vinyl alcohol) solutions in relation to electrospun nanofiber formation. <i>European Polymer Journal</i> , 2013, 49, 290-298.	5.4	55
58	6-Arylpyrido[2,3-d]pyrimidines as Novel ATP-Competitive Inhibitors of Bacterial D-Alanine:D-Alanine Ligase. <i>PLoS ONE</i> , 2012, 7, e39922.	2.5	21
59	The role of rheology of polymer solutions in predicting nanofiber formation by electrospinning. <i>European Polymer Journal</i> , 2012, 48, 1374-1384.	5.4	134
60	Thermodynamic Characterization of 3-[(3-Cholamidopropyl)-dimethylammonium]-1-propanesulfonate (CHAPS) Micellization Using Isothermal Titration Calorimetry: Temperature, Salt, and pH Dependence. <i>Langmuir</i> , 2012, 28, 10363-10371.	3.5	46
61	Dissociation Constants of Parabens and Limiting Conductances of Their Ions in Water. <i>Journal of Physical Chemistry B</i> , 2012, 116, 1385-1392.	2.6	18
62	What affects the degree of micelle ionization: conductivity study of alkyltrimethylammonium chlorides. <i>Acta Chimica Slovenica</i> , 2012, 59, 564-70.	0.6	10
63	Title is missing!. , 2012, 7, e39922.		0
64	Title is missing!. , 2012, 7, e39922.		0
65	Sodium Salts of Benzoic, <i>m</i> -Salicylic, and <i>p</i> -Salicylic Acid: A Conductivity Study of Diluted Aqueous Solutions. <i>Journal of Chemical &amp; Engineering Data</i> , 2011, 56, 4965-4971.	1.9	13
66	Association of ionic liquids in solution: a combined dielectric and conductivity study of [bmim][Cl] in water and in acetonitrile. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 17588.	2.8	87
67	1-Ethyl-3-methylimidazolium Ethylsulfate in Water, Acetonitrile, and Dichloromethane: Molar Conductivities and Association Constants. <i>Journal of Chemical &amp; Engineering Data</i> , 2011, 56, 1261-1267.	1.9	65
68	Characterization of water/sodium bis(2-ethylhexyl) sulfosuccinate/sodium bis(amyl) sulfosuccinate/ <i>n</i> -heptane mixed reverse micelles and w/o microemulsion systems: The influence of water and sodium bis(amyl) sulfosuccinate content. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 385, 249-255.	4.7	11
69	Thermodynamic and NMR study of aggregation of dodecyltrimethylammonium chloride in aqueous sodium salicylate solution. <i>Colloid and Polymer Science</i> , 2011, 289, 1597-1607.	2.1	22
70	Dipole moment and self-association of acesulfame and saccharin in 1,4-dioxane solution at 298.15 K. <i>Monatshefte für Chemie</i> , 2011, 142, 19-24.	1.8	0
71	Influence of dispersing additives on the conductivity of carbon black pigment dispersion. <i>Journal of Coatings Technology Research</i> , 2011, 8, 553-561.	2.5	22
72	Influence of the alkyl chain length, temperature, and added salt on the thermodynamics of micellization: Alkyltrimethylammonium chlorides in NaCl aqueous solutions. <i>Journal of Chemical Thermodynamics</i> , 2011, 43, 1557-1563.	2.0	26

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73	Solution behavior of aqueous mixtures of low and high molecular weight hydrophobic amphiphiles. <i>Colloid and Polymer Science</i> , 2010, 288, 739-751.	2.1	2
74	Association of hydrophobic ions in aqueous solution: A conductometric study of symmetrical tetraalkylammonium cyclohexylsulfamates. <i>Journal of Molecular Liquids</i> , 2010, 156, 82-88.	4.9	7
75	Molar Conductivities and Association Constants of 1-Butyl-3-methylimidazolium Chloride and 1-Butyl-3-methylimidazolium Tetrafluoroborate in Methanol and DMSO. <i>Journal of Chemical &amp; Engineering Data</i> , 2010, 55, 1799-1803.	1.9	57
76	Dilute Aqueous Solutions with Formate Ions: A Conductometric Study. <i>Journal of Chemical &amp; Engineering Data</i> , 2010, 55, 1951-1957.	1.9	12
77	Temperature and salt-induced micellization of dodecyltrimethylammonium chloride in aqueous solution: A thermodynamic study. <i>Journal of Colloid and Interface Science</i> , 2009, 338, 216-221.	9.4	92
78	Electric Conductivity of Aqueous Solutions of Poly(anetholesulfonic acid) and Its Alkaline Salts. <i>Journal of Physical Chemistry B</i> , 2009, 113, 2705-2711.	2.6	8
79	Viscosity of Aqueous Solutions of Lithium, Sodium, Potassium, Rubidium and Caesium Cyclohexylsulfamates from 293.15 to 323.15 K. <i>Journal of Solution Chemistry</i> , 2008, 37, 1329-1342.	1.2	15
80	Investigation of the Dissociation and Dimerization of Cyclamic Acid in Aqueous Solutions by Means of Conductometric Method. <i>Journal of Solution Chemistry</i> , 2008, 37, 1561-1574.	1.2	9
81	Molecular interactions of 1,4-dihydropyridine derivatives with selected organic solvents: A volumetric, spectroscopic and computational study. <i>Journal of Molecular Structure</i> , 2008, 875, 354-363.	3.6	7
82	Interpretation of Conductivity Results from 5 to 45 °C on Three Micellar Systems below and above the CMC. <i>Journal of Physical Chemistry B</i> , 2008, 112, 16529-16538.	2.6	17
83	Electrical Conductivity of Concentrated Aqueous Solutions of Divalent Metal Sulfates. <i>Journal of Chemical &amp; Engineering Data</i> , 2008, 53, 1355-1359.	1.9	33
84	Electrical Conductances of Dilute Aqueous Solutions of Sodium Penicillin G, Potassium Penicillin G, and Potassium Penicillin V in the 278.15~313.15 K Temperature Range. <i>Journal of Physical Chemistry B</i> , 2007, 111, 11957-11967.	2.6	7
85	Conductometric study of ion association of divalent symmetric electrolytes: II. MgSO <sub>4</sub> in water+1,4-dioxane mixtures. <i>Journal of Molecular Liquids</i> , 2007, 131-132, 29-35.	4.9	22
86	Special Issue contributions to the 29th international conference on solution chemistry August 21~25, 2005, Portorož, Slovenia. <i>Journal of Molecular Liquids</i> , 2007, 131-132, 1.	4.9	0
87	Thermodynamics of micelle formation of alkyltrimethylammonium chlorides from high performance electric conductivity measurements. <i>Journal of Colloid and Interface Science</i> , 2007, 313, 288-295.	9.4	114
88	Temperature and Concentration Dependences of the Electrical Conductance, Diffusion and Kinetic Parameters of Selenium Dioxide Solutions in Ordinary and Heavy Water. <i>Journal of Solution Chemistry</i> , 2007, 36, 171-192.	1.2	3
89	An Analysis of Electrical Conductances of Aqueous Solutions of Polybasic Organic Acids. Benzenhexacarboxylic (Mellitic) Acid and Its Neutral and Acidic Salts. <i>Journal of Physical Chemistry B</i> , 2006, 110, 8893-8906.	2.6	20
90	Energetics in Correlation with Structural Features: The Case of Micellization. <i>Journal of Physical Chemistry B</i> , 2006, 110, 23279-23291.	2.6	36

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91	WaterÄ“Tween 40Ä“/Imwitor 308Ä“isopropyl myristate microemulsions as delivery systems for ketoprofen: Small-angle X-ray scattering study. International Journal of Pharmaceutics, 2006, 327, 170-177.	5.2	25
92	Ternary systems of nonionic surfactant Brij 35, water and various simple alcohols: Structural investigations by small-angle X-ray scattering and dynamic light scattering. Journal of Colloid and Interface Science, 2006, 294, 194-211.	9.4	70
93	The effect of internal structure of selected waterÄ“Tween 40Ä“/Imwitor 308Ä“IPM microemulsions on ketoprofene release. International Journal of Pharmaceutics, 2005, 302, 68-77.	5.2	83
94	Conductometric study of ion association of divalent symmetric electrolytes: I. CoSO4, NiSO4, CuSO4 and ZnSO4 in water. Journal of Molecular Liquids, 2005, 118, 111-118.	4.9	49
95	A Conductometric Study of Aqueous Solutions of Some Cyclohexylsulfamates. Journal of Solution Chemistry, 2005, 34, 631-644.	1.2	14
96	Structural characterisation of waterÄ“Tween 40Ä“/Imwitor 308Ä“isopropyl myristate microemulsions using different experimental methods. International Journal of Pharmaceutics, 2004, 276, 115-128.	5.2	132
97	Nonionic Surfactant Brij 35 in Water and in Various Simple Alcohols:Ä Structural Investigations by Small-Angle X-ray Scattering and Dynamic Light Scattering. Journal of Physical Chemistry B, 2004, 108, 7021-7032.	2.6	82
98	Light, Neutron, X-ray Scattering, and Conductivity Measurements on Aqueous Dodecyltrimethylammonium Bromide/1-Hexanol Solutions. Journal of Physical Chemistry B, 2003, 107, 13862-13870.	2.6	17
99	Conductivity of Magnesium Sulfate in Water from 5 to 35Ä°C and from Infinite Dilution to Saturation. Journal of Solution Chemistry, 2002, 31, 19-31.	1.2	52
100	Effect of temperature on the molar conductivity of aqueous solutions of sodium and calcium fullerenehexamalonates, Th-C66(COONa)12 and Th-C66((COO)2Ca)6. Physical Chemistry Chemical Physics, 2001, 3, 2650-2654.	2.8	4
101	Title is missing!. Journal of Solution Chemistry, 2000, 29, 51-61.	1.2	39
102	Title is missing!. Journal of Solution Chemistry, 1999, 28, 1071-1086.	1.2	81
103	Title is missing!. Journal of Solution Chemistry, 1998, 27, 299-307.	1.2	19
104	Conductivity studies of aqueous solutions of stereoisomers of tartaric acids and tartrates. Part II: D-, L-, and meso-tartaric acids. Journal of Solution Chemistry, 1997, 26, 537-550.	1.2	26
105	Conductivity studies on aqueous solutions of stereoisomers of tartaric acids and tartrates. Part I. Alkali metal and ammonium tartrates. Journal of Solution Chemistry, 1997, 26, 127-134.	1.2	18