Andrey Blokhin

List of Publications by Citations

53 papers	1,521 citations	21 h-index	38 g-index
56 ext. papers	1,632 ext. citations	2.6 avg, IF	4.24 L-index

#	Paper	IF	Citations
53	Thermodynamic Properties of 1-Butyl-3-methylimidazolium Hexafluorophosphate in the Condensed State. *Journal of Chemical & Engineering Data*, **2004**, 49, 453-461	2.8	198
52	Thermodynamic Properties of 1-Butyl-3-methylimidazolium Hexafluorophosphate in the Ideal Gas State. *Journal of Chemical & Engineering Data*, **2003**, 48, 457-462	2.8	196
51	Thermodynamic Properties of [C6mim][NTf2] in the Condensed State. *Journal of Chemical & Engineering Data*, **2006**, 51, 1377-1388	2.8	133
50	Physicochemical properties, structure, and conformations of 1-Butyl-3-methylimidazolium bis(trifluoromethanesulfonyl)imide [C4mim]NTf2 ionic liquid. *Journal of Physical Chemistry B*, **2008**, 112, 4357-64	3.4	114
49	Heat Capacity of Ionic Liquids: Experimental Determination and Correlations with Molar Volume. *Journal of Chemical & Engineering Data*, **2010**, 55, 2719-2724	2.8	100
48	IR and X-ray study of polymorphism in 1-alkyl-3-methylimidazolium bis(trifluoromethanesulfonyl)imides. *Journal of Physical Chemistry B*, **2009**, 113, 9538-46	3.4	73
47	Thermodynamics of ionic liquids precursors: 1-methylimidazole. *Journal of Physical Chemistry B*, **2011**, 115, 4404-11	3.4	54
46	1-Butyl-3-methylimidazolium Tosylate Ionic Liquid: Heat Capacity, Thermal Stability, and Phase Equilibrium of Its Binary Mixtures with Water and Caprolactam. *Journal of Chemical & Engineering Data*, **2007**, 52, 1791-1799	2.8	42
45	Thermodynamic Properties of Plant Biomass Components. Heat Capacity, Combustion Energy, and Gasification Equilibria of Cellulose. *Journal of Chemical & Engineering Data*, **2011**, 56, 3523-3531	2.8	39
44	Physicochemical Properties of Imidazolium-Based Ionic Nanofluids: Density, Heat Capacity, and Enthalpy of Formation. *Journal of Physical Chemistry C*, **2013**, 117, 4782-4790	3.8	36
43	Thermodynamic properties of adamantane revisited. *Journal of Physical Chemistry B*, **2011**, 115, 10064-73	3.4	34
42	Evaluation of the Chemical Exergy of Fuels and Petroleum Fractions. *Magyar Apr□lad K□lem□yek*, **2000**, 62, 123-133	0	32
41	Evaluation of thermodynamic properties for non-crystallizable ionic liquids. *Thermochimica Acta*, **2015**, 604, 122-128	2.9	31
40	Thermodynamic properties of 1-aminoadamantane. *Journal of Chemical Thermodynamics*, **2008**, 40, 509-522	2.9	29
39	Thermodynamic Properties of Plant Biomass Components. Heat Capacity, Combustion Energy, and Gasification Equilibria of Lignin. *Journal of Chemical & Engineering Data*, **2012**, 57, 1903-1909	2.8	27
38	Thermodynamics of Ethyl Decanoate. *Journal of Chemical & Engineering Data*, **2009**, 54, 3026-3033	2.8	27
37	Thermodynamic properties of starch and glucose. *Journal of Chemical Thermodynamics*, **2013**, 59, 87-93	2.9	24

36	Thermodynamics of long-chain 1-alkyl-3-methylimidazolium bis(trifluoromethanesulfonyl)imide ionic liquids. *Journal of Chemical Thermodynamics*, **2016**, 97, 331-340	2.9	23
35	Experimental determination of enthalpy of 1-butyl-3-methylimidazolium iodide synthesis and prediction of enthalpies of formation for imidazolium ionic liquids. *Journal of Chemical Thermodynamics*, **2010**, 42, 1292-1297	2.9	22
34	Thermodynamic properties of 2-adamantanone in the condensed and ideal gaseous states. *Thermochimica Acta*, **2006**, 451, 65-72	2.9	22
33	Polymorphism and thermophysical properties of L- and DL-menthol. *Journal of Chemical Thermodynamics*, **2019**, 131,	2.9	21
32	Calorimetric determination of the enthalpy of 1-butyl-3-methylimidazolium bromide synthesis: a key quantity in thermodynamics of ionic liquids. *Journal of Physical Chemistry B*, **2009**, 113, 14742-6	3.4	20
31	Thermodynamic properties of 1-bromoadamantane in the condensed state and molecular disorder in its crystals. *Journal of Chemical Thermodynamics*, **2005**, 37, 643-657	2.9	18
30	Solid Phase Transitions of the Cyclohexane Derivatives and the Model of Energy States of Molecules in Plastic Crystals. *Molecular Crystals and Liquid Crystals*, **1999**, 326, 333-355		18
29	Calorimetric study of polymorphism in 1-butyl-3-methylimidazolium hexafluorophosphate. *Journal of Chemical Thermodynamics*, **2016**, 102, 211-218	2.9	14
28	Low-temperature heat capacity and derived thermodynamic properties for 1-methyl-3-propylimidazolium bromide and 1-butyl-3-methylimidazolium iodide. *Journal of Chemical Thermodynamics*, **2014**, 79, 94-99	2.9	14
27	Solid□liquid Equilibrium and Activity Coefficients for Caprolactam + 1-Hexyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide and Cyclohexanone Oxime + 1-Hexyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide. *Journal of Chemical & Engineering Data*, **2007**, 52, 1360-1365	2.8	14
26	The thermodynamic properties of 1-bromoadamantane in the gaseous state. *Thermochimica Acta*, **2005**, 436, 56-67	2.9	14
25	Experimental and theoretical study of thermodynamic properties of levoglucosan. *Journal of Chemical Thermodynamics*, **2015**, 85, 101-110	2.9	13
24	Low-temperature heat capacity and thermodynamic properties of layered perovskite-like oxides NaNdTiO4 and Na2Nd2Ti3O10. *Journal of Thermal Analysis and Calorimetry*, **2014**, 115, 119-126	4.1	13
23	Thermodynamic properties of 1-butyl-3-methylimidazolium trifluoromethanesulfonate ionic liquid in the condensed state. *Thermochimica Acta*, **2010**, 511, 119-123	2.9	11
22	On energy models of orientational disorder of molecules in plastic crystals. *Physica B: Condensed Matter*, **2006**, 383, 243-252	2.8	11
21	Thermodynamic Properties and Similarity of Stacked-Cup Multiwall Carbon Nanotubes and Graphite. *Journal of Chemical & Engineering Data*, **2016**, 61, 3849-3857	2.8	11
20	Thermodynamic properties of organic substances: Experiment, modeling, and technological applications. *Journal of Chemical Thermodynamics*, **2019**, 131, 225-246	2.9	10
19	Thermodynamic properties of 1,1?-biadamantane. *Thermochimica Acta*, **2007**, 459, 104-110	2.9	9

18	Thermodynamic properties of 1-ethyl-4-nitro-1,2,3-triazole. *Thermochimica Acta*, **2013**, 565, 221-226	2.9	8
17	Comprehensive study of the thermodynamic properties for 2-methyl-3-buten-2-ol. *Journal of Chemical Thermodynamics*, **2015**, 91, 459-473	2.9	7
16	Low-temperature calorimetric study of layered perovskite-like ferrites GdSrFeO4 and Gd2SrFe2O7. *Journal of Thermal Analysis and Calorimetry*, **2016**, 126, 601-608	4.1	7
15	Thermodynamics of Cyclohexanone Oxime. *Journal of Chemical & Engineering Data*, **2008**, 53, 694-703	2.8	7
14	Thermodynamic properties of 5-(1-adamantyl)tetrazole. *Thermochimica Acta*, **2014**, 592, 10-17	2.9	6
13	Thermodynamics of Ionic Liquid Precursors. 1-Bromobutane and Its Isomers. *Journal of Chemical & Engineering Data*, **2011**, 56, 4891-4899	2.8	4
12	Thermodynamic Properties for 2-(1-Hydroxycyclohexyl)cyclohexanone and Equilibrium of Dimerization of Cyclohexanone. *Journal of Chemical & Engineering Data*, **2006**, 51, 40-45	2.8	4
11	Thermodynamic Properties of 1-Methyl-4-nitro-1,2,3-triazole. *Thermochimica Acta*, **2020**, 686, 178534	2.9	2
10	Thermodynamic properties of cellulose of various structures in the temperature range 5–370 K. *Russian Journal of Applied Chemistry*, **2012**, 85, 303-308	0.8	2
9	Energy intensity of hydrocarbons in liquid and solid states. *Fine Chemical Technologies*, **2021**, 16, 273-286	0.5	2
8	Thermodynamics of the Antiviral and Antiparkinsonian Drug Amantadine Hydrochloride: Condensed State Properties and Decomposition. *Journal of Chemical & Engineering Data*, **2017**, 62, 2666-2675	2.8	1
7	Stacked-cup multiwall carbon nanotubes as components of energy-intensive suspension jet fuels. *Fine Chemical Technologies*, **2020**, 15, 38-46	0.5	1
6	Thermodynamic properties of L-menthol in crystalline and gaseous states. *Fine Chemical Technologies*, **2020**, 15, 28-36	0.5	1
5	Thermodynamic behavior and polymorphism of 1-butyl-3-methylimidazolium hexafluorophosphate composites with multiwalled carbon nanotubes. *Journal of Chemical Thermodynamics*, **2019**, 131, 262-262	2.9	1
4	Thermodynamic Properties of 2-Methyl-4-nitro-1,2,3-triazole in Crystalline State. *International Journal of Thermophysics*, **2022**, 43, 1	2.1	0
3	Conformational Transformations of Some Cyclohexyl Esters. *Journal of Structural Chemistry*, **2000**, 41, 757-762	0.9	
2	Algorithm for Predicting the Enthalpies of Combustion and Molar Volumes of Liquid Hydrocarbons. *International Journal of Thermophysics*, **2022**, 43, 1	2.1	
1	Energy Density of Adamantane-Containing Hydrocarbons in Condensed Phases. *Petroleum Chemistry*,1	1.1	