

# Andrey Blokhin

## List of Publications by Year in Descending Order

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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.

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 | Algorithm for Predicting the Enthalpies of Combustion and Molar Volumes of Liquid Hydrocarbons. <i>International Journal of Thermophysics</i> , <b>2022</b> , 43, 1  | 2.1 |           |
| 52 | Thermodynamic Properties of 2-Methyl-4-nitro-1,2,3-triazole in Crystalline State. <i>International Journal of Thermophysics</i> , <b>2022</b> , 43, 1  | 2.1 | 0         |
| 51 | Energy intensity of hydrocarbons in liquid and solid states. <i>Fine Chemical Technologies</i> , <b>2021</b> , 16, 273-286   | 0.5 | 2         |
| 50 | Thermodynamic Properties of 1-Methyl-4-nitro-1,2,3-triazole. <i>Thermochimica Acta</i> , <b>2020</b> , 686, 178534   | 2.9 | 2         |
| 49 | Stacked-cup multiwall carbon nanotubes as components of energy-intensive suspension jet fuels. <i>Fine Chemical Technologies</i> , <b>2020</b> , 15, 38-46   | 0.5 | 1         |
| 48 | Thermodynamic properties of L-menthol in crystalline and gaseous states. <i>Fine Chemical Technologies</i> , <b>2020</b> , 15, 28-36   | 0.5 | 1         |
| 47 | Thermodynamic behavior and polymorphism of 1-butyl-3-methylimidazolium hexafluorophosphate composites with multiwalled carbon nanotubes. <i>Journal of Chemical Thermodynamics</i> , <b>2019</b> , 131, 262-263                    | 2.9 | 1         |
| 46 | Polymorphism and thermophysical properties of L- and DL-menthol. <i>Journal of Chemical Thermodynamics</i> , <b>2019</b> , 131,  | 2.9 | 21        |
| 45 | Thermodynamic properties of organic substances: Experiment, modeling, and technological applications. <i>Journal of Chemical Thermodynamics</i> , <b>2019</b> , 131, 225-246   | 2.9 | 10        |
| 44 | Thermodynamics of the Antiviral and Antiparkinsonian Drug Amantadine Hydrochloride: Condensed State Properties and Decomposition. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2017</b> , 62, 2666-2675                  | 2.8 | 1         |
| 43 | Calorimetric study of polymorphism in 1-butyl-3-methylimidazolium hexafluorophosphate. <i>Journal of Chemical Thermodynamics</i> , <b>2016</b> , 102, 211-218  | 2.9 | 14        |
| 42 | Low-temperature calorimetric study of layered perovskite-like ferrites GdSrFeO <sub>4</sub> and Gd <sub>2</sub> SrFe <sub>2</sub> O <sub>7</sub> . <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2016</b> , 126, 601-608 | 4.1 | 7         |
| 41 | Thermodynamics of long-chain 1-alkyl-3-methylimidazolium bis(trifluoromethanesulfonyl)imide ionic liquids. <i>Journal of Chemical Thermodynamics</i> , <b>2016</b> , 97, 331-340   | 2.9 | 23        |
| 40 | Thermodynamic Properties and Similarity of Stacked-Cup Multiwall Carbon Nanotubes and Graphite. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2016</b> , 61, 3849-3857  | 2.8 | 11        |
| 39 | Comprehensive study of the thermodynamic properties for 2-methyl-3-buten-2-ol. <i>Journal of Chemical Thermodynamics</i> , <b>2015</b> , 91, 459-473   | 2.9 | 7         |
| 38 | Evaluation of thermodynamic properties for non-crystallizable ionic liquids. <i>Thermochimica Acta</i> , <b>2015</b> , 604, 122-128  | 2.9 | 31        |
| 37 | Experimental and theoretical study of thermodynamic properties of levoglucosan. <i>Journal of Chemical Thermodynamics</i> , <b>2015</b> , 85, 101-110  | 2.9 | 13        |

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|----|---|-----|-----|
| 36 | Thermodynamic properties of 5-(1-adamantyl)tetrazole. <i>Thermochimica Acta</i> , <b>2014</b> , 592, 10-17  | 2.9 | 6   |
| 35 | Low-temperature heat capacity and derived thermodynamic properties for 1-methyl-3-propylimidazolium bromide and 1-butyl-3-methylimidazolium iodide. <i>Journal of Chemical Thermodynamics</i> , <b>2014</b> , 79, 94-99   | 2.9 | 14  |
| 34 | Low-temperature heat capacity and thermodynamic properties of layered perovskite-like oxides NaNdTiO <sub>4</sub> and Na <sub>2</sub> Nd <sub>2</sub> Ti <sub>3</sub> O <sub>10</sub> . <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2014</b> , 115, 119-126 | 4.1 | 13  |
| 33 | Thermodynamic properties of starch and glucose. <i>Journal of Chemical Thermodynamics</i> , <b>2013</b> , 59, 87-93   | 2.9 | 24  |
| 32 | Physicochemical Properties of Imidazolium-Based Ionic Nanofluids: Density, Heat Capacity, and Enthalpy of Formation. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 4782-4790  | 3.8 | 36  |
| 31 | Thermodynamic properties of 1-ethyl-4-nitro-1,2,3-triazole. <i>Thermochimica Acta</i> , <b>2013</b> , 565, 221-226  | 2.9 | 8   |
| 30 | Thermodynamic properties of cellulose of various structures in the temperature range 5-70 K. <i>Russian Journal of Applied Chemistry</i> , <b>2012</b> , 85, 303-308  | 0.8 | 2   |
| 29 | Thermodynamic Properties of Plant Biomass Components. Heat Capacity, Combustion Energy, and Gasification Equilibria of Lignin. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2012</b> , 57, 1903-1909  | 2.8 | 27  |
| 28 | Thermodynamics of Ionic Liquid Precursors. 1-Bromobutane and Its Isomers. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2011</b> , 56, 4891-4899   | 2.8 | 4   |
| 27 | Thermodynamic Properties of Plant Biomass Components. Heat Capacity, Combustion Energy, and Gasification Equilibria of Cellulose. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2011</b> , 56, 3523-3531   | 2.8 | 39  |
| 26 | Thermodynamics of ionic liquids precursors: 1-methylimidazole. <i>Journal of Physical Chemistry B</i> , <b>2011</b> , 115, 4404-11  | 3.4 | 54  |
| 25 | Thermodynamic properties of adamantane revisited. <i>Journal of Physical Chemistry B</i> , <b>2011</b> , 115, 10064-73.4  | 3.4 | 34  |
| 24 | Heat Capacity of Ionic Liquids: Experimental Determination and Correlations with Molar Volume. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2010</b> , 55, 2719-2724  | 2.8 | 100 |
| 23 | Experimental determination of enthalpy of 1-butyl-3-methylimidazolium iodide synthesis and prediction of enthalpies of formation for imidazolium ionic liquids. <i>Journal of Chemical Thermodynamics</i> , <b>2010</b> , 42, 1292-1297                                 | 2.9 | 22  |
| 22 | Thermodynamic properties of 1-butyl-3-methylimidazolium trifluoromethanesulfonate ionic liquid in the condensed state. <i>Thermochimica Acta</i> , <b>2010</b> , 511, 119-123   | 2.9 | 11  |
| 21 | Calorimetric determination of the enthalpy of 1-butyl-3-methylimidazolium bromide synthesis: a key quantity in thermodynamics of ionic liquids. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 14742-6   | 3.4 | 20  |
| 20 | Thermodynamics of Ethyl Decanoate. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2009</b> , 54, 3026-3033  | 2.8 | 27  |
| 19 | IR and X-ray study of polymorphism in 1-alkyl-3-methylimidazolium bis(trifluoromethanesulfonyl)imides. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 9538-46  | 3.4 | 73  |

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|----|---|---------|
| 18 | Thermodynamics of Cyclohexanone Oxime. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2008</b> , 53, 694-703  | 7       |
| 17 | Physicochemical properties, structure, and conformations of 1-Butyl-3-methylimidazolium bis(trifluoromethanesulfonyl)imide [C4mim]NTf <sub>2</sub> ionic liquid. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 4357-64  | 3.4 114 |
| 16 | Thermodynamic properties of 1-aminoadamantane. <i>Journal of Chemical Thermodynamics</i> , <b>2008</b> , 40, 509-522  | 29      |
| 15 | Thermodynamic properties of 1,1?-biadamantane. <i>Thermochimica Acta</i> , <b>2007</b> , 459, 104-110   | 2.9 9   |
| 14 | 1-Butyl-3-methylimidazolium Tosylate Ionic Liquid: Heat Capacity, Thermal Stability, and Phase Equilibrium of Its Binary Mixtures with Water and Caprolactam. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2007</b> , 52, 1791-1799   | 2.8 42  |
| 13 | 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. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2007</b> , 52, 1360-1365 | 2.8 14  |
| 12 | Thermodynamic Properties for 2-(1-Hydroxycyclohexyl)cyclohexanone and Equilibrium of Dimerization of Cyclohexanone. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2006</b> , 51, 40-45   | 2.8 4   |
| 11 | Thermodynamic Properties of [C6mim][NTf <sub>2</sub> ] in the Condensed State. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2006</b> , 51, 1377-1388  | 2.8 133 |
| 10 | On energy models of orientational disorder of molecules in plastic crystals. <i>Physica B: Condensed Matter</i> , <b>2006</b> , 383, 243-252  | 2.8 11  |
| 9  | Thermodynamic properties of 2-adamantanone in the condensed and ideal gaseous states. <i>Thermochimica Acta</i> , <b>2006</b> , 451, 65-72  | 2.9 22  |
| 8  | Thermodynamic properties of 1-bromoadamantane in the condensed state and molecular disorder in its crystals. <i>Journal of Chemical Thermodynamics</i> , <b>2005</b> , 37, 643-657  | 2.9 18  |
| 7  | The thermodynamic properties of 1-bromoadamantane in the gaseous state. <i>Thermochimica Acta</i> , <b>2005</b> , 436, 56-67  | 2.9 14  |
| 6  | Thermodynamic Properties of 1-Butyl-3-methylimidazolium Hexafluorophosphate in the Condensed State. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2004</b> , 49, 453-461   | 2.8 198 |
| 5  | Thermodynamic Properties of 1-Butyl-3-methylimidazolium Hexafluorophosphate in the Ideal Gas State. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2003</b> , 48, 457-462   | 2.8 196 |
| 4  | Conformational Transformations of Some Cyclohexyl Esters. <i>Journal of Structural Chemistry</i> , <b>2000</b> , 41, 757-762  | 0.9     |
| 3  | Evaluation of the Chemical Exergy of Fuels and Petroleum Fractions. <i>Magyar Áprád Kolekció</i> , <b>2000</b> , 62, 123-133  | 0 32    |
| 2  | Solid Phase Transitions of the Cyclohexane Derivatives and the Model of Energy States of Molecules in Plastic Crystals. <i>Molecular Crystals and Liquid Crystals</i> , <b>1999</b> , 326, 333-355  | 18      |
| 1  | Energy Density of Adamantane-Containing Hydrocarbons in Condensed Phases. <i>Petroleum Chemistry</i> , <b>1</b>   | 1.1     |

