

Vitaly B Rogankov

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.

19
papers

80
citations

6
h-index

8
g-index


20
ext. papers

98
ext. citations

2.6
avg, IF

2.56
L-index

#	Paper	IF	Citations
19	Fluctuation aspects of isotope theory - III. Isotopic phase similarity in the set of deuterated methanes CH _x D _{4-x} . <i>Fluid Phase Equilibria</i> , 2021 , 529, 112843	2.5	0
18	The critical parameters and congruent vapor-liquid diagram of ten metallic alkali and alkaline earth fluids and one H-bond organic (methanol). <i>Fluid Phase Equilibria</i> , 2018 , 455, 15-23	2.5	4
17	Can the Boyle's and critical parameters be unambiguously correlated for polar and associating fluids, liquid metals, ionic liquids?. <i>Fluid Phase Equilibria</i> , 2017 , 434, 200-210	2.5	6
16	Scaling Model of Low-Temperature Transport Properties for Molecular and Ionic Liquids. <i>Journal of Thermodynamics</i> , 2015 , 2015, 1-11		1
15	Fluctuational-thermodynamic interpretation of small angle X-ray scattering experiments in supercritical fluids. <i>Fluid Phase Equilibria</i> , 2014 , 383, 115-125	2.5	6
14	Towards the Equation of State for Neutral (C ₂ H ₄), Polar (H ₂ O), and Ionic ([bmim][BF ₄], [bmim][PF ₆], [pmmim][Tf ₂ N]) Liquids. <i>Journal of Thermodynamics</i> , 2014 , 2014, 1-15		1
13	Global asymmetry of fluids and local singularity in the diameter of the coexistence curve. <i>Physical Review E</i> , 2013 , 87, 052141	2.4	8
12	Disorder Parameter, Asymmetry and Quasibinodal of Water at Negative Pressures. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2010 , 237-252	0.1	0
11	Equation of state for ionic liquids. <i>High Temperature</i> , 2009 , 47, 656-663	0.8	9
10	Fluctuational equation of state and hypothetical phase diagram of superheated water and two imidazolium-based ionic liquids. <i>Journal of Molecular Liquids</i> , 2009 , 148, 18-23	6	7
9	Local phase diagram of binary mixtures in the near-critical region of solvent. <i>Journal of Molecular Liquids</i> , 2006 , 127, 53-59	6	7
8	A novel concept of symmetry in the model of fluctuational thermodynamics. <i>Journal of Molecular Liquids</i> , 2003 , 105, 165-177	6	9
7	Gibbs solution of the van der Waals-Maxwell problem and universality of the liquid-gas coexistence curve. <i>Physical Chemistry Chemical Physics</i> , 2002 , 4, 873-878	3.6	15
6	Critical curves in mixtures of carbon dioxide with ethane and ethylene based on a generalized fluctuation form of the van der Waals equation of state. <i>Journal of Engineering Physics and Thermophysics</i> , 2000 , 73, 403-409	0.6	3
5	Description of thermodynamic properties of liquids over wide ranges of pressure and temperature. <i>Fluid Phase Equilibria</i> , 1998 , 146, 63-72	2.5	
4	Fluctuation theory of media with pronounced spacetime inhomogeneity. <i>Theoretical and Mathematical Physics (Russian Federation)</i> , 1993 , 97, 1143-1153	0.7	0
3	Scaling equation of the thermodynamical surface of a fluid. 1. Close vicinity of the equilibrium state. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1991 , 160, 274-278	2.3	3

2  *Acta Physica
Hungarica*, **1985**, 57, 13-30

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1 Calculation of gas-gas phase equilibrium for the mixture He-Fl₂. *Journal of Engineering Physics*,
1979, 37, 1447-1453