

Dmitriy M Makarov

List of Publications by Year in descending order

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49
papers

718
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623734

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#	ARTICLE	IF	CITATIONS
1	Volumetric Properties of Binary Liquid Mixtures of Water with <i>N</i> -Methylpyrrolidone at (278.15–323.15) K and up to 70 MPa. <i>Journal of Chemical & Engineering Data</i> , 2022, 67, 1115-1124.	1.9	0
2	Hydrogen Bonds in a Water–Pyrrolidone System. <i>Russian Journal of Physical Chemistry A</i> , 2022, 96, 685-690.	0.6	1
3	Complex investigation of H-bond in Water-N-methylacetamide system: Volumetric properties, DFT, IR, MD analysis. <i>Journal of Molecular Liquids</i> , 2022, 360, 119533.	4.9	1
4	Volumetric properties of ammonium-based salts in N,N-Dimethylformamide over the temperature range 298.15 K to 348.15 K. <i>Journal of Chemical Thermodynamics</i> , 2021, 155, 106371.	2.0	3
5	Volumetric properties (water+1,3-dimethylurea) mixture over the temperature range from 274.15 to 333.15 K at the ambient pressure – comparison with other methyl substituted analogues. <i>Journal of Molecular Liquids</i> , 2021, 323, 114637.	4.9	3
6	Density of water - 2-pyrrolidone mixture a new vibrating tube densimeter from (278.15–323.15) K and up to 70 MPa. <i>Journal of Molecular Liquids</i> , 2021, 335, 116113.	4.9	4
7	Liquid phase PVT _x properties of {water (1)+1,3-dimethylurea (2)} mixtures at temperatures from 278.15 to 323.15 K and pressures to 100 MPa. <i>Journal of Molecular Liquids</i> , 2021, 339, 116707.	4.9	1
8	Pressure–Volume–Temperature Relationships for Aqueous Solutions of <i>N</i> -Methylacetamide at Temperatures Ranging from 278.15 to 323.15 K and Pressures up to 100 MPa. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 5303-5312.	1.9	5
9	Densities and thermal expansions of (water + tetrahydrofuran) mixtures within the temperature range from (274.15 to 333.15) K at atmospheric pressure. <i>Journal of Molecular Liquids</i> , 2020, 310, 113105.	4.9	15
10	Density measurements of water – N-methylacetamide mixture at temperatures from 274.15 to 333.15 K and ambient pressure. A comparison of the volumetric characteristics of some amides. <i>Journal of Chemical Thermodynamics</i> , 2020, 151, 106233.	2.0	6
11	Volumetric Properties of Aqueous Solutions of Acetamide in the 274.15–333.15 K Range of Temperatures. <i>Russian Journal of Physical Chemistry A</i> , 2020, 94, 693-697.	0.6	2
12	Bulk Properties of the Monoethanolamine–1,4-Dioxane System. <i>Russian Journal of Physical Chemistry A</i> , 2020, 94, 709-712.	0.6	1
13	Bulk Properties of Solutions of Dimethylsulfoxide in Monoethanolamine. <i>Russian Journal of Physical Chemistry A</i> , 2019, 93, 851-855.	0.6	1
14	Volumetric Properties of Protic Ionic Liquids Based on Alkylammonium Cations at <i>T</i> = (293.15–353.15) K and Atmospheric Pressure. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 211-217.	1.9	8
15	Volumetric properties of the water–tetramethylurea mixture over the temperature range from 274.15 to 333.15 K at atmospheric pressure. <i>Journal of Molecular Liquids</i> , 2019, 278, 279-289.	4.9	13
16	Density and volumetric properties of the aqueous solutions of urea at temperatures from <i>T</i> = (278 to) <i>T</i> J ETQq0.0 0 rgBT, /Overlock	2.0	33
17	Effect of high pressure and temperature on the volume properties of the liquid-phase mixture of {water (1)+formamide (2)}. <i>Journal of Molecular Liquids</i> , 2018, 254, 154-165.	4.9	9
18	Effect of high pressure and temperature on volumetric properties of {water (1) + ethylenediamine (2)} mixtures. <i>Journal of Molecular Liquids</i> , 2017, 239, 68-73.	4.9	9

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19	Densities and Molar Isobaric Thermal Expansions of the Water + Formamide Mixture over the Temperature Range from 274.15 to 333.15 K at Atmospheric Pressure. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 1247-1256.	1.9	15
20	Densities and Volumetric Properties of Aqueous Solutions of {Water (1) + N-Methylurea (2)} Mixtures at Temperatures of 274.15–333.15 K and at Pressures up to 100 MPa. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 4383-4394.	1.9	10
21	Excess Gibbs Energy and Local Compositions in the Mixtures C2, C3 Alkane Diols and Triols with Water at Various Pressures. <i>Journal of Solution Chemistry</i> , 2016, 45, 1679-1688.	1.2	1
22	Temperature and composition dependences of volumetric properties of (water + 1,2-propanediol) binary system. <i>Journal of Molecular Liquids</i> , 2016, 222, 656-662.	4.9	11
23	Volume properties of liquid mixture of {water (1) + ethylenediamine (2)} over the temperature range from 274.15 to 333.15 K at atmospheric pressure. <i>Thermochimica Acta</i> , 2016, 639, 148-159.	2.7	17
24	Effect of pressure on the structure and dynamics of hydrogen bonds in ethylene glycol–water mixtures: Numerical simulation data. <i>Russian Journal of Physical Chemistry A</i> , 2016, 90, 560-566.	0.6	3
25	Density and Volumetric Properties of Aqueous Solutions of Trimethylamine <i>N</i> -Oxide in the Temperature Range from (278.15 to 323.15) K and at Pressures up to 100 MPa. <i>Journal of Chemical & Engineering Data</i> , 2015, 60, 1291-1299.	1.9	40
26	Volumetric properties of binary liquid-phase mixture of (water+glycerol) at temperatures of (278.15 to) Tj ETQq0 0,0 rgBT /Oylock 10	2.0	25
27	Analysis of the pressure effect on the local composition in a water-alkanol mixture using Kirkwood-Buff integrals. <i>Journal of Structural Chemistry</i> , 2014, 55, 263-269.	1.0	3
28	Characterization of the volumetric properties of betaine in aqueous solutions: Compositional, pressure, and temperature dependence. <i>Thermochimica Acta</i> , 2014, 585, 36-44.	2.7	14
29	Volume properties of liquid mixture of water+glycerol over the temperature range from 278.15 to 348.15K at atmospheric pressure. <i>Thermochimica Acta</i> , 2013, 570, 16-26.	2.7	41
30	Liquid phase PVTx properties of binary mixtures of (water+ethylene glycol) in the range from 278.15 to 323.15K and from 0.1 to 100MPa. II. Molar isothermal compressions, molar isobaric expansions, thermal pressure coefficients and internal pressure. <i>Fluid Phase Equilibria</i> , 2013, 354, 133-146.	2.5	13
31	Liquid phase PVTx properties of (water+tert-butanol) binary mixtures at temperatures from 278.15 to 323.15K and pressures from 0.1 to 100MPa. <i>Journal of Chemical Thermodynamics</i> , 2013, 61, 161-168.	2.0	13
32	Liquid phase PVTx properties of (water+tert-butanol) binary mixtures at temperatures from 278.15 to 323.15K and pressures from 0.1 to 100MPa. II. Molar isothermal compressions, molar isobaric expansions, molar thermal pressure coefficients, and internal pressure. <i>Journal of Chemical Thermodynamics</i> , 2013, 61, 169-179.	2.0	19
33	Liquid phase PVTx properties of binary mixtures of (water+ethylene glycol) in the range from 278.15 to 323.15K and from 0.1 to 100MPa. I. Experimental results, partial and excess thermodynamics properties. <i>Fluid Phase Equilibria</i> , 2013, 344, 125-138.	2.5	27
34	Bulk properties of a liquid phase mixture {ethylene glycol+tert-butanol} in the temperature range 278.15–348.15 K and pressures of 0.1-100 MPa. I. Experimental results, excess and partial molar volumes. <i>Journal of Structural Chemistry</i> , 2013, 54, 304-319.	1.0	2
35	Bulk properties of a liquid phase mixture {ethylene glycol+tert-butanol} in the temperature range 278.15–348.15 K and pressures of 0.1–100 MPa. II. Molar isothermal compressibility, molar isobaric expansibility, thermal pressure coefficient, and internal pressure. <i>Journal of Structural Chemistry</i> , 2013, 54, 320-335.	1.0	5
36	The bulk properties of dioxane solutions in ethylene glycol at 25–75°C. <i>Russian Journal of Physical Chemistry A</i> , 2012, 86, 330-332.	0.6	5

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37	Volumetric Properties of Binary Mixtures of Glycerol + tert-Butanol over the Temperature Range 293.15 to 348.15 K at Atmospheric Pressure. Journal of Solution Chemistry, 2012, 41, 536-554.	1.2	28
38	Volumetric properties of the binary mixture of ethylene glycol+tert-butanol at T=(278.15, 288.15, 298.15,) Tj ETQq0,0 0 rgBT, /Overlock	4.9	29
39	Compressibility of ethylene glycol-dimethyl sulfoxide mixtures over the pressure range 0.1â€“100 MPa at 308.15 K. Russian Journal of Physical Chemistry A, 2011, 85, 171-178.	0.6	4
40	Molar volumes of aqueous and ethylene glycol solutions of tetrahydrofuran. Russian Journal of Physical Chemistry A, 2011, 85, 1676-1678.	0.6	7
41	Densities and volume properties of (water+tert-butanol) over the temperature range of (274.15 to) Tj ETQq1 1 0.784314 rgBT, /Overlock	2.0	76
42	Volumetric properties of the water-ethylene glycol mixtures in the temperature range 278â€“333.15 K at atmospheric pressure. Russian Journal of General Chemistry, 2010, 80, 1577-1585.	0.8	50
43	Densities and Volumetric Properties of Ethylene Glycol + Dimethylsulfoxide Mixtures at Temperatures of (278.15 to 323.15) K and Pressures of (0.1 to 100) MPa. Journal of Chemical & Engineering Data, 2010, 55, 3481-3488.	1.9	64
44	The bulk properties of the water-dimethylsulfoxide system at 278â€“323.15 K and atmospheric pressure. Russian Journal of Physical Chemistry A, 2009, 83, 693-698.	0.6	28
45	The compressibility of water-dimethyl sulfoxide mixtures over the temperature and pressure ranges 278â€“323.15 K and 1â€“1000 bar. Russian Journal of Physical Chemistry A, 2009, 83, 2058-2065.	0.6	10
46	Compressibility coefficients of water-2-propanol mixtures over the temperature and pressure ranges 278â€“323.15 K and 1â€“1000 bar. Russian Journal of Physical Chemistry A, 2008, 82, 1037-1041.	0.6	19
47	The bulk properties of ethylene glycol-dimethylsulfoxide mixtures over the temperature range 278â€“323 K at p = 0.1 MPa. Russian Journal of Physical Chemistry A, 2008, 82, 1778-1784.	0.6	14
48	Compressibility and partial molar volumes in the water-N,N-dimethylformamide system. Russian Journal of Physical Chemistry A, 2007, 81, 528-534.	0.6	3
49	Volume expansion coefficients of the water-acetone system at temperatures of 278â€“323.15 K and pressures up to 1000 bar. Russian Journal of Physical Chemistry A, 2007, 81, 1576-1581.	0.6	5