Dmitriy M Makarov

List of Publications by Year
in descending order

49	718	623188	580395
papers	citations	14 h-index	25 g-index

50	50	50	404
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Volumetric Properties of Binary Liquid Mixtures of Water with N-Methylpyrrolidone at (278.15â€“323.15) K and up to 70 MPa. Journal of Chemical & Engineering Data, 2022, 67, 1115-1124.	1.0	0
2	Hydrogen Bonds in a Waterâ€“Pyrrolidone System. Russian Journal of Physical Chemistry A, 2022, 96, 685-690.	0.1	1
3	Complex investigation of H-bond in Water-N-methylacetamide system: Volumetric properties, DFT, IR, MD analysis. Journal of Molecular Liquids, 2022, 360, 119533.	2.3	1
4	Volumetric properties of ammonium-based salts in N,N-Dimethylformamide over the temperature range 298.15ÂK to 348.15ÂK. Journal of Chemical Thermodynamics, 2021, 155, 106371.	1.0	3
5	Volumetric properties (waterÂ+Â1,3-dimethylurea) mixture over the temperature range from 274.15 to 333.15ÂK at the ambient pressure â€“ comparison with other methyl substituted analogues. Journal of Molecular Liquids, 2021, 323, 114637.	2.3	3
6	Density of water - 2-pyrrolidone mixture a new vibrating tube densimeter from (278.15â€“323.15) K and up to 70ÂMPa. Journal of Molecular Liquids, 2021, 335, 116113.	2.3	4
7	Liquid phase PVTx properties of {water (1)Â+Â1,3-dimethylurea (2)} mixtures at temperatures from 278.15 to 323.15ÂK and pressures to 100ÂMPa. Journal of Molecular Liquids, 2021, 339, 116707.	2.3	1
8	Pressureâ€“Volumeâ€“Temperature Relationships for Aqueous Solutions of N-Methylacetamide at Temperatures Ranging from 278.15 to 323.15 K and Pressures up to 100 MPa. Journal of Chemical & Engineering Data, 2020, 65, 5303-5312.	1.0	5
9	Densities and thermal expansions of (water + tetrahydrofuran) mixtures within the temperature range from (274.15 to 333.15) K at atmospheric pressure. Journal of Molecular Liquids, 2020, 310, 113105.	2.3	15
10	Density measurements of water â€“ N-methylacetamide mixture at temperatures from 274.15 to 333.15ÂK and ambient pressure. A comparison of the volumetric characteristics of some amides. Journal of Chemical Thermodynamics, 2020, 151, 106233.	1.0	6
11	Volumetric Properties of Aqueous Solutions of Acetamide in the 274.15â€“333.15 K Range of Temperatures. Russian Journal of Physical Chemistry A, 2020, 94, 693-697.	0.1	2
12	Bulk Properties of the Monoethanolamineâ€“1,4-Dioxane System. Russian Journal of Physical Chemistry A, 2020, 94, 709-712.	0.1	1
13	Bulk Properties of Solutions of Dimethylsulfoxide in Monoethanolamine. Russian Journal of Physical Chemistry A, 2019, 93, 851-855.	0.1	1
14	Volumetric Properties of Protic Ionic Liquids Based on Alkylammonium Cations at T = (293.15â€“353.15) K and Atmospheric Pressure. Journal of Chemical & Engineering Data, 2019, 64, 211-217.	1.0	8
15	Volumetric properties of the waterâ€¯+â€¯tetramethylurea mixture over the temperature range from 274.15 to 333.15â€¯K at atmospheric pressure. Journal of Molecular Liquids, 2019, 278, 279-289.	2.3	13
16	Density and volumetric properties of the aqueous solutions of urea at temperatures from Tâ€¯=â€¯(278 to) Tj ETQq0 0 0 rgBT /Overlock	1.0	33
17	Effect of high pressure and temperature on the volume properties of the liquid-phase mixture of {water (1)â€¯+â€¯formamide (2)}. Journal of Molecular Liquids, 2018, 254, 154-165.	2.3	9
18	Effect of high pressure and temperature on volumetric properties of {water (1) + ethylenediamine (2)} mixtures. Journal of Molecular Liquids, 2017, 239, 68-73.	2.3	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. Journal of Chemical & Engineering Data, 2017, 62, 1247-1256.	1.0	15
20	Densities and Volumetric Properties of Aqueous Solutions of {Water (1) + N-Methylurea (2)} Mixtures at Temperatures of 274.15â€“333.15 K and at Pressures up to 100 MPa. Journal of Chemical & Engineering Data, 2017, 62, 4383-4394.	1.0	10
21	Excess Gibbs Energy and Local Compositions in the Mixtures C2, C3 Alkane Diols and Triols with Water at Various Pressures. Journal of Solution Chemistry, 2016, 45, 1679-1688.	0.6	1
22	Temperature and composition dependences of volumetric properties of (water + 1,2-propanediol) binary system. Journal of Molecular Liquids, 2016, 222, 656-662.	2.3	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. Thermochimica Acta, 2016, 639, 148-159.	1.2	17
24	Effect of pressure on the structure and dynamics of hydrogen bonds in ethylene glycolâ€“water mixtures: Numerical simulation data. Russian Journal of Physical Chemistry A, 2016, 90, 560-566.	0.1	3
25	Density and Volumetric Properties of Aqueous Solutions of Trimethylamine N-Oxide in the Temperature Range from (278.15 to 323.15) K and at Pressures up to 100 MPa. Journal of Chemical & Engineering Data, 2015, 60, 1291-1299.	1.0	40
26	Volumetric properties of binary liquid-phase mixture of (water+glycerol) at temperatures of (278.15 to) Tj ETQq0 0 0 rgBT /Overlock 10	1.0	25
27	Analysis of the pressure effect on the local composition in a water-alkanol mixture using Kirkwood-Buff integrals. Journal of Structural Chemistry, 2014, 55, 263-269.	0.3	3
28	Characterization of the volumetric properties of betaine in aqueous solutions: Compositional, pressure, and temperature dependence. Thermochimica Acta, 2014, 585, 36-44.	1.2	14
29	Volume properties of liquid mixture of water+glycerol over the temperature range from 278.15 to 348.15K at atmospheric pressure. Thermochimica Acta, 2013, 570, 16-26.	1.2	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. Fluid Phase Equilibria, 2013, 354, 133-146.	1.4	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. Journal of Chemical Thermodynamics, 2013, 61, 161-168.	1.0	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. Journal of Chemical Thermodynamics, 2013, 61, 169-179.	1.0	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. Fluid Phase Equilibria, 2013, 344, 125-138.	1.4	27
34	Bulk properties of a liquid phase mixture {ethylene glycol+tert-butanol} in the temperature range 278.15â€“348.15 K and pressures of 0.1-100 MPa. I. Experimental results, excess and partial molar volumes. Journal of Structural Chemistry, 2013, 54, 304-319.	0.3	2
35	Bulk properties of a liquid phase mixture {ethylene glycol+tert-butanol} in the temperature range 278.15â€“348.15 K and pressures of 0.1â€“100 MPa. II. Molar isothermal compressibility, molar isobaric expansibility, thermal pressure coefficient, and internal pressure. Journal of Structural Chemistry, 2013, 54, 320-335.	0.3	5
36	The bulk properties of dioxane solutions in ethylene glycol at 25â€“75Â°C. Russian Journal of Physical Chemistry A, 2012, 86, 330-332.	0.1	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.	0.6	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	2.3	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.	0.1	4
40	Molar volumes of aqueous and ethylene glycol solutions of tetrahydrofuran. Russian Journal of Physical Chemistry A, 2011, 85, 1676-1678.	0.1	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	1.0	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.	0.3	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.	1.0	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.	0.1	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.	0.1	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.	0.1	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.	0.1	14
48	Compressibility and partial molar volumes in the water-N,N-dimethylformamide system. Russian Journal of Physical Chemistry A, 2007, 81, 528-534.	0.1	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.	0.1	5