Mohammad Almasi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2285090/publications.pdf

Version: 2024-02-01

58	1,067	304743	454955
papers	citations	22 h-index	30 g-index

59	59	59	453
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Investigation of molecular interactions in binary mixtures using thermophoresis. Journal of Chemical Thermodynamics, 2022, 164, 106623.	2.0	4
2	Calculation of Virial Coefficients, Jouleâ€“Thomson Inversion Curve and Mutual Diffusion for Binary Mixtures. Russian Journal of Physical Chemistry A, 2022, 96, 502-507.	0.6	0
3	Study of interactions in binary mixtures containing normal alkanols; KB integrals and structure factor. Physics and Chemistry of Liquids, 2021, 59, 148-161.	1.2	2
4	Molecular interactions and structural studies of toluene and (C5Ââ^'ÂC10) 1-alkanol; mutual diffusion and virial coefficients. Journal of Molecular Structure, 2021, 1230, 129624.	3.6	1
5	Some studies on the mutual diffusion, Jouleâ€“Thomson inversion curve and virial coefficients of binary mixtures containing diethylamine and (C5 â€“ C9) 1-alkanol. Fluid Phase Equilibria, 2021, 533, 112920.	2.5	0
6	Study of molecular interactions in binary mixtures by molecular diffusion, thermal diffusion, Soret effect, and separation ratio. Journal of Molecular Liquids, 2021, 335, 116545.	4.9	6
7	Thermal behavior and Soret effect in methyl phenyl ketone and 2-alkanol mixtures. Journal of Molecular Liquids, 2021, 344, 117934.	4.9	3
8	Thermophysical properties of 1-Hexyl-3-methylimidazolium nitrate and 2-alkanol; measurement and modeling. Fluid Phase Equilibria, 2020, 503, 112324.	2.5	15
9	Experimental and modeling study of diisopropyl ether and 2-alkanol; PC-SAFT model and free volume theory. Journal of Chemical Thermodynamics, 2020, 142, 106025.	2.0	28
10	Densities and Viscosities of Binary Mixtures Containing Methyl Isobutyl Ketone and (C₆â€“C₁₀) 1-Alkanol. Journal of Chemical & Engineering Data, 2020, 65, 4498-4502.	1.9	12
11	Studies on the structure of [Bmim][NO3] and 1-alkanol: Cohesive energy density and internal pressure. Journal of Molecular Structure, 2020, 1219, 128576.	3.6	12
12	Quantifying intermolecular interactions between 1â€‘Hexyl-3-methylimidazolium Nitrate and 1-alkanol: Internal pressure and cohesive energy density approach. Chemical Physics, 2020, 539, 110936.	1.9	5
13	Molecular Interactions in [Hmim][NO3] Ionic Liquid and 2-Alkanol Mixtures: Kirkwoodâ€“Buff Integrals and Structure Factor. Russian Journal of Physical Chemistry A, 2020, 94, 1057-1062.	0.6	1
14	Cohesive energy density and internal pressure of benzene and 1-alkanol binary mixtures. Journal of Molecular Liquids, 2020, 313, 113459.	4.9	9
15	Theoretical and experimental study of 1-butyl-3-methylimidazolium nitrate with 1-pentanol, 1-hexanol and 1-heptanol: COSMO-RS and structure factor. Journal of Chemical Thermodynamics, 2020, 150, 106232.	2.0	1
16	Theoretical and experimental study of valeric acid and 1-alkanol: COSMO-RS method and structure factors. Journal of Molecular Liquids, 2020, 304, 112792.	4.9	16
17	Density and Viscosity for Binary Mixtures of the Ionic Liquid 1-Butyl-3-methylimidazolium Tetrafluoroborate with 2-Propanol, N,N-Dimethylacetamide and N,N-Dimethylformamide at 293.15â€“323.15ÂK: Experimental and PC-SAFT Modeling. Journal of Solution Chemistry, 2020, 49, 405-421.	1.2	5
18	Kirkwood-Buff integrals and structure factor for binary mixtures of ionic liquid with 1-alkanol. Journal of Molecular Liquids, 2019, 296, 111767.	4.9	19

#	Article	IF	Citations
19	Thermodynamic study of interactions between 1-alkanol and butanone. Chemical Physics, 2019, 527, 110474.	1.9	20
20	Thermodynamic Properties of 1-Hexyl-3-methylimidazolium Nitrate and 1-Alkanols Mixtures: PC-SAFT Model. Journal of Chemical & Engineering Data, 2019, 64, 4465-4473.	1.9	32
21	Theoretical and experimental study of physicochemical behavior of binary mixtures: SAFT and PC-SAFT models. Journal of Chemical Sciences, 2019, 131, 1.	1.5	4
22	Development of a Colorimetric Loop-mediated Isothermal Amplification Assay for the Visual Detection of Fusarium oxysporum f.sp. melonis. Horticultural Plant Journal, 2019, 5, 129-136.	5.0	13
23	Thermophysical study of binary mixtures of 1-butyl-3-methylimidazolium nitrate ionic liquidâ€¯+â€¯alcohols at different temperatures. Journal of Chemical Thermodynamics, 2019, 135, 345-351.	2.0	26
24	Study of molecular interactions and preferential solvation in binary mixtures of cyclohexane and (C5â€“C10) 1-alkanol by Kirkwood-Buff integrals. Fluid Phase Equilibria, 2019, 489, 1-7.	2.5	26
25	Kirkwoodâ€“Buff Integrals, Excess Volume, and Preferential Solvation in Pentanoic Acid/(C5â€“C10) 1-Alkanol Binary Mixtures. Journal of Chemical & Engineering Data, 2019, 64, 1288-1293.	1.9	7
26	Calculation of Kirkwood-Buff integrals for binary mixtures of 1-butyl-3-methylimidazolium nitrate ionic liquid and alcohols at 298.15â€¯K. Journal of Molecular Liquids, 2019, 275, 122-125.	4.9	27
27	Investigation of Molecular Interactions in Binary Mixtures of n-Butyl Acetate and (C₆ â€“ C₁₀) 1-Alkanol: PC-SAFT Model. Journal of Chemical & Engineering Data, 2018, 63, 3881-3888.	1.9	41
28	Correlation Studies of Cyclohexanone/(C₅â€“C₁₀) Alkan-1-ol Binary Mixtures: PC-SAFT Model and Free Volume Theory. Journal of Chemical & Engineering Data, 2018, 63, 2257-2265.	1.9	21
29	Optimal Coordination Strategy for an Integrated Multimodal Transit Feeder Network Design Considering Multiple Objectives. Sustainability, 2018, 10, 734.	3.2	7
30	Studies on thermodynamic properties of butyl acetate/Alkan-2-ol binary mixtures: Measurements and properties modeling. Journal of Molecular Liquids, 2017, 225, 490-495.	4.9	14
31	Modeling of thermophysical behaviour of MCH/Alkan-2-ol binary mixtures. Journal of Molecular Liquids, 2017, 241, 817-822.	4.9	4
32	Influence of Temperature and Carbon Chain on Thermophysical Properties of Benzaldehyde/Alkan-2-ol Binary Mixtures. Journal of Chemical & Engineering Data, 2017, 62, 2406-2412.	1.9	5
33	Studies on physicochemical behavior of binary mixtures containing propanal and Alkan-2-ol. Journal of Chemical Thermodynamics, 2017, 113, 315-320.	2.0	7
34	Optimization of an Improved Intermodal Transit Model Equipped with Feeder Bus and Railway Systems Using Metaheuristics Approaches. Sustainability, 2016, 8, 537.	3.2	16
35	Studies on Thermodynamic and Transport Properties of Binary Mixtures Containing Alcohols and Aniline. Journal of Chemical & Engineering Data, 2016, 61, 2510-2515.	1.9	26
36	Thermophysical and transport properties of binary mixtures containing triethylene glycol and alcohols at different temperatures. Journal of Thermal Analysis and Calorimetry, 2016, 124, 399-405.	3.6	10

#	Article	IF	Citations
37	A comparative study on the removal of phenol from aqueous solutions by electroâ€“Fenton and electroâ€“persulfate processes using iron electrodes. Research on Chemical Intermediates, 2016, 42, 1441-1450.	2.7	38
38	Densities and Viscosities of Binary Mixtures Containing Ethyl Formate and 2-Alkanols: Friction Theory and Free Volume Theory. Journal of Chemical & Engineering Data, 2015, 60, 714-720.	1.9	28
39	Temperature dependence and chain length effect on density and viscosity of binary mixtures of nitrobenzene and 2-alcohols. Journal of Molecular Liquids, 2015, 209, 346-351.	4.9	31
40	Thermodynamic and transport properties of binary mixtures; friction theory coupled with PC-SAFT model. Journal of Chemical Thermodynamics, 2015, 89, 1-6.	2.0	30
41	Thermodynamic properties of binary mixtures containing N,N-dimethylformamide+2-alkanol: Cubic and statistical associating fluid theory-based equation of state analysis. Journal of the Taiwan Institute of Chemical Engineers, 2014, 45, 365-371.	5.3	4
42	Thermodynamic Properties of Binary Mixtures Containing N,N-Dimethylacetamide + 2-Alkanol: Experimental Data and Modeling. Journal of Chemical & Engineering Data, 2014, 59, 275-281.	1.9	26
43	Densities and viscosities of the mixtures (formamide+2-alkanol): Experimental and theoretical approaches. Journal of Chemical Thermodynamics, 2014, 69, 101-106.	2.0	23
44	Evaluation of thermodynamic properties of fluid mixtures by PC-SAFT model. Thermochimica Acta, 2014, 591, 75-80.	2.7	26
45	Correlation and prediction of thermodynamic properties of binary mixtures from perturbed chain statistical associating fluid theory. Physica A: Statistical Mechanics and Its Applications, 2014, 414, 1-5.	2.6	2
46	Densities and viscosities of binary mixtures of ethylmethylketone and 2-alkanols; application of the ERAS model and cubic EOS. Thermochimica Acta, 2013, 554, 25-31.	2.7	35
47	Thermodynamic properties of binary mixtures containing dimethyl carbonate+2-alkanol: Experimental data, correlation and prediction by ERAS model and cubic EOS. Physica B: Condensed Matter, 2013, 412, 100-105.	2.7	32
48	Excess molar volumes of 1,3 propanediol + (C1-C5) alkan-1-ols: Application of cubic EOS. Journal of the Serbian Chemical Society, 2012, 77, 363-370.	0.8	3
49	Densities and Viscosities of Binary Mixtures Containing Diethylene Glycol and 2-Alkanol. Journal of Chemical & Engineering Data, 2012, 57, 2992-2998.	1.9	33
50	Densities and Viscosities of Binary Mixtures of Cyclohexanone and 2-Alkanols. Journal of Chemical & Engineering Data, 2012, 57, 309-316.	1.9	52
51	Excess molar volumes of binary mixtures of aliphatic alcohols (C1â€“C5) with Nitromethane over the temperature range 293.15 to 308.15K: Application of the ERAS model and cubic EOS. Journal of Molecular Liquids, 2011, 163, 46-52.	4.9	25
52	Densities and Excess Molar Volumes of Binary andÂTernary Mixtures Containing Acetonitrile + Acetophenone + 1,2-Pentanediol: Experimental Data, Correlation andÂPrediction by PFP Theory andÂERASÂModel. Journal of Solution Chemistry, 2011, 40, 284-298.	1.2	23
53	Excess molar volumes of diisopropylamine+(C1â€“C5) alkan-1-ols: Application of the ERAS model and cubic EOS. Thermochimica Acta, 2011, 523, 105-110.	2.7	30
54	Densities, Viscosities, and Refractive Indices of Binary Mixtures of Acetophenone and 2-Alkanols. Journal of Chemical & Engineering Data, 2010, 55, 1416-1420.	1.9	42

#	Article	IF	Citations
55	Densities, Viscosities, and Refractive Indices of Binary Mixtures of Methyl Ethyl Ketone + Pentanol Isomers at Different Temperatures. Journal of Chemical & Engineering Data, 2010, 55, 3918-3922.	1.9	36
56	Densities, viscosities, excess molar volumes, and refractive indices of acetonitrile and 2-alkanols binary mixtures at different temperatures: Experimental results and application of the Prigogineâ€“Floryâ€“Patterson theory. Thermochimica Acta, 2009, 495, 139-148.	2.7	103
57	Thermodynamic and transport properties of binary mixtures containing N-Ethylethanamine and (C5 â^) Tj ETQq1 1 0.784314 rgBT /Ov	1.2	0
58	Experimental Density and Viscosity of Aniline and 1-Alkanol Binary Mixtures. Journal of Chemical & Engineering Data, 0, , .	1.9	0