

# Mohammad Almasi

## List of Publications by Year in descending order

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58  
papers

1,067  
citations

304743

22  
h-index

454955

30  
g-index

59  
all docs

59  
docs citations

59  
times ranked

453  
citing authors

#	ARTICLE	IF	CITATIONS
1	Densities, viscosities, excess molar volumes, and refractive indices of acetonitrile and 2-alkanols binary mixtures at different temperatures: Experimental results and application of the Prigogine-Flory-Patterson theory. <i>Thermochimica Acta</i> , 2009, 495, 139-148.	2.7	103
2	Densities and Viscosities of Binary Mixtures of Cyclohexanone and 2-Alkanols. <i>Journal of Chemical &amp; Engineering Data</i> , 2012, 57, 309-316.	1.9	52
3	Densities, Viscosities, and Refractive Indices of Binary Mixtures of Acetophenone and 2-Alkanols. <i>Journal of Chemical &amp; Engineering Data</i> , 2010, 55, 1416-1420.	1.9	42
4	Investigation of Molecular Interactions in Binary Mixtures of <i>n</i> -Butyl Acetate and (C <sub>6</sub> & C <sub>10</sub> ) 1-Alkanol: PC-SAFT Model. <i>Journal of Chemical &amp; Engineering Data</i> , 2018, 63, 3881-3888.	1.9	41
5	A comparative study on the removal of phenol from aqueous solutions by electro-Fenton and electro-persulfate processes using iron electrodes. <i>Research on Chemical Intermediates</i> , 2016, 42, 1441-1450.	2.7	38
6	Densities, Viscosities, and Refractive Indices of Binary Mixtures of Methyl Ethyl Ketone + Pentanol Isomers at Different Temperatures. <i>Journal of Chemical &amp; Engineering Data</i> , 2010, 55, 3918-3922.	1.9	36
7	Densities and viscosities of binary mixtures of ethylmethylketone and 2-alkanols; application of the ERAS model and cubic EOS. <i>Thermochimica Acta</i> , 2013, 554, 25-31.	2.7	35
8	Densities and Viscosities of Binary Mixtures Containing Diethylene Glycol and 2-Alkanol. <i>Journal of Chemical &amp; Engineering Data</i> , 2012, 57, 2992-2998.	1.9	33
9	Thermodynamic properties of binary mixtures containing dimethyl carbonate+2-alkanol: Experimental data, correlation and prediction by ERAS model and cubic EOS. <i>Physica B: Condensed Matter</i> , 2013, 412, 100-105.	2.7	32
10	Thermodynamic Properties of 1-Hexyl-3-methylimidazolium Nitrate and 1-Alkanols Mixtures: PC-SAFT Model. <i>Journal of Chemical &amp; Engineering Data</i> , 2019, 64, 4465-4473.	1.9	32
11	Temperature dependence and chain length effect on density and viscosity of binary mixtures of nitrobenzene and 2-alcohols. <i>Journal of Molecular Liquids</i> , 2015, 209, 346-351.	4.9	31
12	Excess molar volumes of diisopropylamine+(C <sub>1</sub> -C <sub>5</sub> ) alkan-1-ols: Application of the ERAS model and cubic EOS. <i>Thermochimica Acta</i> , 2011, 523, 105-110.	2.7	30
13	Thermodynamic and transport properties of binary mixtures; friction theory coupled with PC-SAFT model. <i>Journal of Chemical Thermodynamics</i> , 2015, 89, 1-6.	2.0	30
14	Densities and Viscosities of Binary Mixtures Containing Ethyl Formate and 2-Alkanols: Friction Theory and Free Volume Theory. <i>Journal of Chemical &amp; Engineering Data</i> , 2015, 60, 714-720.	1.9	28
15	Experimental and modeling study of diisopropyl ether and 2-alkanol; PC-SAFT model and free volume theory. <i>Journal of Chemical Thermodynamics</i> , 2020, 142, 106025.	2.0	28
16	Calculation of Kirkwood-Buff integrals for binary mixtures of 1-butyl-3-methylimidazolium nitrate ionic liquid and alcohols at 298.15 K. <i>Journal of Molecular Liquids</i> , 2019, 275, 122-125.	4.9	27
17	Thermodynamic Properties of Binary Mixtures Containing N,N-Dimethylacetamide + 2-Alkanol: Experimental Data and Modeling. <i>Journal of Chemical &amp; Engineering Data</i> , 2014, 59, 275-281.	1.9	26
18	Evaluation of thermodynamic properties of fluid mixtures by PC-SAFT model. <i>Thermochimica Acta</i> , 2014, 591, 75-80.	2.7	26

#	ARTICLE	IF	CITATIONS
19	Studies on Thermodynamic and Transport Properties of Binary Mixtures Containing Alcohols and Aniline. <i>Journal of Chemical &amp; Engineering Data</i> , 2016, 61, 2510-2515.	1.9	26
20	Thermophysical study of binary mixtures of 1-butyl-3-methylimidazolium nitrate ionic liquid+alcohols at different temperatures. <i>Journal of Chemical Thermodynamics</i> , 2019, 135, 345-351.	2.0	26
21	Study of molecular interactions and preferential solvation in binary mixtures of cyclohexane and (C <sub>5</sub> -C <sub>10</sub> ) 1-alkanol by Kirkwood-Buff integrals. <i>Fluid Phase Equilibria</i> , 2019, 489, 1-7.	2.5	26
22	Excess molar volumes of binary mixtures of aliphatic alcohols (C <sub>1</sub> -C <sub>5</sub> ) with Nitromethane over the temperature range 293.15 to 308.15K: Application of the ERAS model and cubic EOS. <i>Journal of Molecular Liquids</i> , 2011, 163, 46-52.	4.9	25
23	Densities and Excess Molar Volumes of Binary and Ternary Mixtures Containing Acetonitrile + Acetophenone + 1,2-Pentanediol: Experimental Data, Correlation and Prediction by PFP Theory and ERAS Model. <i>Journal of Solution Chemistry</i> , 2011, 40, 284-298.	1.2	23
24	Densities and viscosities of the mixtures (formamide+2-alkanol): Experimental and theoretical approaches. <i>Journal of Chemical Thermodynamics</i> , 2014, 69, 101-106.	2.0	23
25	Correlation Studies of Cyclohexanone/(C <sub>5</sub> -C <sub>10</sub> ) Alkan-1-ol Binary Mixtures: PC-SAFT Model and Free Volume Theory. <i>Journal of Chemical &amp; Engineering Data</i> , 2018, 63, 2257-2265.	1.9	21
26	Thermodynamic study of interactions between 1-alkanol and butanone. <i>Chemical Physics</i> , 2019, 527, 110474.	1.9	20
27	Kirkwood-Buff integrals and structure factor for binary mixtures of ionic liquid with 1-alkanol. <i>Journal of Molecular Liquids</i> , 2019, 296, 111767.	4.9	19
28	Optimization of an Improved Intermodal Transit Model Equipped with Feeder Bus and Railway Systems Using Metaheuristics Approaches. <i>Sustainability</i> , 2016, 8, 537.	3.2	16
29	Theoretical and experimental study of valeric acid and 1-alkanol: COSMO-RS method and structure factors. <i>Journal of Molecular Liquids</i> , 2020, 304, 112792.	4.9	16
30	Thermophysical properties of 1-Hexyl-3-methylimidazolium nitrate and 2-alkanol; measurement and modeling. <i>Fluid Phase Equilibria</i> , 2020, 503, 112324.	2.5	15
31	Studies on thermodynamic properties of butyl acetate/Alkan-2-ol binary mixtures: Measurements and properties modeling. <i>Journal of Molecular Liquids</i> , 2017, 225, 490-495.	4.9	14
32	Development of a Colorimetric Loop-mediated Isothermal Amplification Assay for the Visual Detection of <i>Fusarium oxysporum</i> f.sp. <i>melonis</i> . <i>Horticultural Plant Journal</i> , 2019, 5, 129-136.	5.0	13
33	Densities and Viscosities of Binary Mixtures Containing Methyl Isobutyl Ketone and (C <sub>6</sub> -C <sub>10</sub> ) 1-Alkanol. <i>Journal of Chemical &amp; Engineering Data</i> , 2020, 65, 4498-4502.	1.9	12
34	Studies on the structure of [Bmim][NO <sub>3</sub> ] and 1-alkanol: Cohesive energy density and internal pressure. <i>Journal of Molecular Structure</i> , 2020, 1219, 128576.	3.6	12
35	Thermophysical and transport properties of binary mixtures containing triethylene glycol and alcohols at different temperatures. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 124, 399-405.	3.6	10
36	Cohesive energy density and internal pressure of benzene and 1-alkanol binary mixtures. <i>Journal of Molecular Liquids</i> , 2020, 313, 113459.	4.9	9

#	ARTICLE	IF	CITATIONS
37	Studies on physicochemical behavior of binary mixtures containing propanal and Alkan-2-ol. Journal of Chemical Thermodynamics, 2017, 113, 315-320.	2.0	7
38	Optimal Coordination Strategy for an Integrated Multimodal Transit Feeder Network Design Considering Multiple Objectives. Sustainability, 2018, 10, 734.	3.2	7
39	Kirkwood's Buff Integrals, Excess Volume, and Preferential Solvation in Pentanoic Acid/(C5-C10) 1-Alkanol Binary Mixtures. Journal of Chemical & Engineering Data, 2019, 64, 1288-1293.	1.9	7
40	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
41	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
42	Quantifying intermolecular interactions between 1-Hexyl-3-methylimidazolium Nitrate and 1-alkanol: Internal pressure and cohesive energy density approach. Chemical Physics, 2020, 539, 110936.	1.9	5
43	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 293.15-323.15 K: Experimental and PC-SAFT Modeling. Journal of Solution Chemistry, 2020, 49, 405-421.	1.2	5
44	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
45	Modeling of thermophysical behaviour of MCH/Alkan-2-ol binary mixtures. Journal of Molecular Liquids, 2017, 241, 817-822.	4.9	4
46	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
47	Investigation of molecular interactions in binary mixtures using thermophoresis. Journal of Chemical Thermodynamics, 2022, 164, 106623.	2.0	4
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	Thermal behavior and Soret effect in methyl phenyl ketone and 2-alkanol mixtures. Journal of Molecular Liquids, 2021, 344, 117934.	4.9	3
50	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
51	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
52	Molecular Interactions in [Hmim][NO <sub>3</sub> ] Ionic Liquid and 2-Alkanol Mixtures: Kirkwood's Buff Integrals and Structure Factor. Russian Journal of Physical Chemistry A, 2020, 94, 1057-1062.	0.6	1
53	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
54	Molecular interactions and structural studies of toluene and (C5-C10) 1-alkanol; mutual diffusion and virial coefficients. Journal of Molecular Structure, 2021, 1230, 129624.	3.6	1

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55	Some studies on the mutual diffusion, Joule-Thomson inversion curve and virial coefficients of binary mixtures containing diethylamine and (C5 - C9) 1-alkanol. Fluid Phase Equilibria, 2021, 533, 112920.	2.5	0
56	Thermodynamic and transport properties of binary mixtures containing N-Ethylethanamine and (C5 - C9) 1-alkanol. Journal of Chemical & Engineering Data, 2021, 66, 112920.	1.2	0
57	Experimental Density and Viscosity of Aniline and 1-Alkanol Binary Mixtures. Journal of Chemical & Engineering Data, 2021, 66, 112920.	1.9	0
58	Calculation of Virial Coefficients, Joule-Thomson Inversion Curve and Mutual Diffusion for Binary Mixtures. Russian Journal of Physical Chemistry A, 2022, 96, 502-507.	0.6	0