

Manju Rani

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

787
citations

471509

17
h-index

552781

26
g-index

51
all docs

51
docs citations

51
times ranked

209
citing authors

#	ARTICLE	IF	CITATIONS
1	Excess molar volume of binary mixtures containing an oxygenate. Journal of Molecular Liquids, 2014, 199, 42-50.	4.9	43
2	Ultrasonic studies of molecular interactions in binary mixtures of formamide with some isomers of butanol at 298.15K and 308.15K. Journal of Molecular Liquids, 2014, 194, 100-109.	4.9	41
3	Ultrasonic speeds, viscosities, refractive indices and FT-IR spectroscopic studies of an oxygenate with aliphatic and aromatic hydrocarbons at 298.15 K and 308.15 K. Journal of Molecular Liquids, 2016, 219, 1107-1123.	4.9	41
4	Volumetric studies of isomers of propanol and butanol with n-decane: Floryâ€™Treszczanowiczâ€™Benson model and Prigogineâ€™Floryâ€™Patterson theory. Journal of Molecular Liquids, 2017, 244, 233-240.	4.9	37
5	Excess molar enthalpies of binary mixtures of formamide with butanol at 298.15K: Application of Prigogineâ€™Floryâ€™Patterson theory and Treszczanowiczâ€™Benson association model. Journal of Industrial and Engineering Chemistry, 2013, 19, 1715-1721.	5.8	35
6	Excess molar enthalpies and excess molar volumes of formamide+1-propanol or 2-propanol and thermodynamic modeling by Prigogineâ€™Floryâ€™Patterson theory and Treszczanowiczâ€™Benson association model. Thermochemica Acta, 2013, 559, 98-106.	2.7	35
7	Topological studies of molecular interactions of formamide with propanol and butanol at 298.15K. Journal of Industrial and Engineering Chemistry, 2012, 18, 1694-1704.	5.8	34
8	Modeling of thermodynamic properties of an oxygenate+aromatic hydrocarbon: Excess molar enthalpy. Journal of Industrial and Engineering Chemistry, 2015, 23, 299-306.	5.8	30
9	Ultrasonic study on molecular interactions in binary mixtures of formamide with 1-propanol or 2-propanol. Chinese Journal of Chemical Engineering, 2015, 23, 689-698.	3.5	30
10	An efficient hybrid approach for trajectory tracking control of autonomous underwater vehicles. Applied Ocean Research, 2020, 95, 102053.	4.1	30
11	Excess molar enthalpies of n-alkanol (C2-C10) with n-decane at 298.15â€™K: Floryâ€™Treszczanowiczâ€™Benson model. Journal of Molecular Liquids, 2018, 265, 468-472.	4.9	29
12	Thermodynamic and acoustic properties of binary mixtures of diisopropyl ether, benzene and alkanes at 298.15, 308.15 and 318.15â€™K: Prigogine-Flory-Patterson theory and graph theory. Journal of Molecular Liquids, 2019, 275, 364-377.	4.9	29
13	Transport and acoustic properties of potential renewable oxygenated fuel additives at 308.15â€™K: Butanol isomersâ€™+â€™o-, m- and p-xylene. Journal of Molecular Liquids, 2019, 274, 300-308.	4.9	29
14	Measurement and correlation of excess molar volumes for mixtures of 1-propanol and aromatic hydrocarbons. Korean Journal of Chemical Engineering, 2015, 32, 168-177.	2.7	28
15	Viscometric and FTIR studies of molecular interactions in 2-propanol+hydrocarbons mixtures at 298.15 and 308.15 K. Korean Journal of Chemical Engineering, 2018, 35, 1167-1173.	2.7	23
16	Volumetric, acoustic and optical properties of binary mixtures of 2-propanol with n-alkanes (C6-C10) from 293.15â€™K to 303.15â€™K. Journal of Molecular Liquids, 2018, 268, 303-314.	4.9	23
17	Transport Properties and Modeling of Viscosity for Binary Mixtures of Butanol Isomers \$\$\$ + Hydrocarbons. Arabian Journal for Science and Engineering, 2018, 43, 6087-6096.	3.0	18
18	Thermodynamics of ternary mixtures with gasoline additive: Volumetric, acoustic and optical properties. Journal of Molecular Liquids, 2020, 304, 112740.	4.9	16

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19	Measurement and correlation of thermodynamic properties of amine and esters. <i>Journal of Molecular Liquids</i> , 2018, 259, 167-178.	4.9	15
20	A New Hybrid Position/Force Control Scheme for Coordinated Multiple Mobile Manipulators. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 2399-2411.	3.0	15
21	Volumetric, enthalpic and VLE studies of binary mixtures of isomers of butyl chloride with cyclohexane at 298.15 K. <i>Journal of Molecular Liquids</i> , 2020, 298, 111946.	4.9	15
22	Thermodynamics of haloarenes with n-hexane at 298.15–318.15 K: Density, ultrasonic speed and viscosity. <i>Journal of Molecular Liquids</i> , 2021, 321, 114366.	4.9	15
23	Intermolecular Interactions and Refractive Indices: Experimental Data and Prediction of Oxygenated Fuel Additives with Hydrocarbons. <i>Asian Journal of Chemistry</i> , 2018, 30, 2054-2062.	0.3	14
24	Measurement and modeling of viscosity for binary mixtures of diisopropyl ether with n-alkanes (C7–C10). <i>Korean Journal of Chemical Engineering</i> , 2019, 36, 1401-1409.	2.7	14
25	Volumetric and acoustic properties of fuel additive oxygenate with hydrocarbons. <i>Journal of Molecular Liquids</i> , 2019, 276, 753-769.	4.9	14
26	Excess molar enthalpy of oxygenate + hydrocarbon mixtures: Application of Flory-Treszczanowicz–Benson model and Graph theoretical approach. <i>Journal of Molecular Liquids</i> , 2018, 258, 142-146.	4.9	13
27	Thermodynamics of molecular interactions in binary mixtures containing associated liquids. <i>Korean Journal of Chemical Engineering</i> , 2013, 30, 1636-1643.	2.7	11
28	Volumetric and FT-IR Studies of the Binary Liquid Mixtures of Tributylamine and Alkyl Ester (C1–C5). <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 3213-3223.	1.9	11
29	Efficient position/force control of constrained mobile manipulators. <i>International Journal of Dynamics and Control</i> , 2018, 6, 1629-1638.	2.5	10
30	Motion/force control scheme for electrically driven cooperative multiple mobile manipulators. <i>Control Engineering Practice</i> , 2019, 88, 52-64.	5.5	10
31	Volumetric, acoustic and optical studies of ternary mixture of diisopropyl ether, n-heptane and n-octane. <i>Journal of Molecular Liquids</i> , 2020, 306, 112605.	4.9	10
32	A new hybrid force/position control approach for time-varying constrained reconfigurable manipulators. <i>ISA Transactions</i> , 2021, 110, 138-147.	5.7	10
33	Measurements and Modeling of Excess Molar Enthalpy of Binary Mixtures of Oxygenate and Hydrocarbons. <i>Asian Journal of Chemistry</i> , 2018, 30, 731-735.	0.3	9
34	Measurement and modeling of transport properties of binary liquid mixtures containing oxygenates and n-alkanes. <i>Korean Journal of Chemical Engineering</i> , 2019, 36, 1922-1931.	2.7	5
35	Ultrasonic and Optical Studies of Binary Mixtures of Ethanol with Diisopropyl Ether, Cyclohexane or n-Alkanes (C6-C9) from 298.15 to 318.15 K. <i>Asian Journal of Chemistry</i> , 2020, 32, 303-310.	0.3	5
36	Measurement and correlation of thermodynamic properties of ternary mixtures of oxygenated fuel. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 1181-1194.	2.7	5

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37	Intelligent Tracking Control of Redundant Robot Manipulators including Actuator Dynamics. <i>Procedia Computer Science</i> , 2018, 125, 50-58.	2.0	4
38	Force/motion control of constrained mobile manipulators including actuator dynamics. <i>International Journal of Dynamics and Control</i> , 2019, 7, 940-954.	2.5	4
39	Thermodynamics of molecular interaction of ternary mixture containing ethanol, n-heptane and n-octane at 298.15, 308.15 and 318.15 K. <i>Journal of Molecular Liquids</i> , 2020, 314, 113600.	4.9	4
40	Thermophysical properties of ternary liquid mixture of diisopropyl ether (1)+Ethanol (2)+n-heptane (3): Measurement and correlation. <i>Journal of Molecular Liquids</i> , 2020, 319, 114219.	4.9	4
41	Thermodynamic modelling of density and viscosity data of binary mixtures of haloarenes with cyclohexane. <i>Physics and Chemistry of Liquids</i> , 2022, 60, 542-562.	1.2	4
42	A hybrid approach for trajectory tracking control of redundant robot manipulators. , 2016, , .		3
43	Thermodynamic Excess Properties for the Ternary Benzene + n-Heptane + n-Octane System at Temperatures of 298.15–318.15 K: Measurement and Correlation. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 2964-2970.	1.9	3
44	Thermodynamic properties of ternary oxygenated fuel mixtures. <i>Journal of Molecular Liquids</i> , 2020, 313, 113541.	4.9	2
45	Prediction of Interactions between Binary Mixtures of Aliphatic Amines and Aliphatic Acetates. <i>Asian Journal of Chemistry</i> , 2018, 30, 2557-2566.	0.3	1
46	Compressibility Studies of Solvation Behaviour of Lithium and Sodium Ions in Nitromethane + Dimethylsulfoxide Binary Mixtures at 298.15 K. <i>Asian Journal of Chemistry</i> , 2021, 33, 2417-2422.	0.3	1
47	Motion/Force Control for the Constrained Electrically Driven Mobile Manipulators Based on Hybrid Backstepping Control Approach. <i>Advances in Intelligent Systems and Computing</i> , 2022, , 447-458.	0.6	1
48	A New Hybrid Backstepping Approach for the Position/Force Control of Mobile Manipulators. <i>Communications in Computer and Information Science</i> , 2019, , 183-198.	0.5	1
49	Optical Studies of Binary Mixture of Chloro Substituted Benzene and n-Hexane or Cyclohexane or 1,4-Dioxane. <i>Asian Journal of Chemistry</i> , 2021, 33, 291-298.	0.3	0
50	Solid-liquid equilibrium and kinematic viscosity of binary mixture of fatty acid alkyl esters. <i>Korean Journal of Chemical Engineering</i> , 2021, 38, 1006-1013.	2.7	0