

# Shaik Babu

## List of Publications by Year in descending order

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38  
papers

145  
citations

1478505

6  
h-index

1281871

11  
g-index

38  
all docs

38  
docs citations

38  
times ranked

77  
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of ketonic effect in molecular interactions of 2-methylcyclohexanone with aniline, N-methyl aniline and N,N-dimethyl aniline at various temperatures. International Journal of Ambient Energy, 2022, 43, 894-904.	2.5	4
2	Study on Thermodynamic and Transport Properties of Binary Liquid Mixtures (N-Methylformamide) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Physical Chemistry A, 2022, 96, 824-833.	0.6	0
3	Study of Thermodynamic and Transport Properties for Binary Mixtures of 4-Methyl-2-pentanone and Meta-substituted Aniline Systems with PFP Theory and Correlation with the Jouybanâ€“Acree Model at 303.15, 308.15, and 313.15ÅK. Journal of Solution Chemistry, 2022, 51, 869-889.	1.2	2
4	Thermodynamic and spectroscopic properties of binary liquid mixtures of 2-methylcyclohexanone and o- substituted anilines at various temperatures. Physics and Chemistry of Liquids, 2021, 59, 852-871.	1.2	2
5	Study on molecular interactions of binary mixtures of 2,6 dimethyl cyclohexanone with substituted anilines at TÅ=Å(303.15â€“313.15)K through thermodynamic properties and FT-IR spectra and correlation with the Jouybanâ€“Acree model. Journal of Molecular Liquids, 2021, 343, 117708.	4.9	3
6	Elucidation of molecular interactions in the mixtures of 2-methoxyaniline with isomeric xylenes through transport and thermodynamic properties at $T = 303.15, 308.15, \text{ and } 313.15 \text{ K}$ . Physics and Chemistry of Liquids, 2021, 59, 298-314.	1.2	0
7	Binary mixtures of 2-methylcyclohexanone with various functional groups (m-cresol, p-cresol and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	2.3	3
8	Thermo-physical and spectroscopic studies of liquid mixtures containing p-methoxy benzoic acid. International Journal of Ambient Energy, 2020, , 1-12.	2.5	2
9	Spectroscopic and volumetric study of binary liquid mixtures containing Ethyl -4-hydroxy benzoate and alkanols. Chemical Data Collections, 2020, 26, 100347.	2.3	1
10	Binary mixtures of 2-ethyl-1-hexanol with various functional groups (benzyl chloride, 3-methylaniline,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.9	3
11	Studies on Associated Solutions: Thermodynamic Parameters of Binary Liquid Mixtures of Propiophenone and o-Substituted Anilines. Russian Journal of Physical Chemistry A, 2020, 94, 2544-2557.	0.6	1
12	Molecular Interactions of Piperidinium Based Ionic Liquids with Water/Alcohol at Different Temperatures. Asian Journal of Chemistry, 2020, 33, 195-202.	0.3	0
13	Investigation of molecular interactions in binary mixtures of homologous series of aliphatic alcohols with 2-methoxyaniline at various temperatures. Physics and Chemistry of Liquids, 2019, 57, 689-702.	1.2	14
14	Reduced Redlichâ€“Kister functions and interaction studies of Dehpa + Petrofin binary mixtures at 298.15 K. Physics and Chemistry of Liquids, 2019, 57, 536-546.	1.2	8
15	Estimation of Structural Parameters of Protic Ionic Liquids for Activity Coefficient Models and Calculations of LLE Phase Diagrams. Russian Journal of Physical Chemistry A, 2019, 93, 1312-1316.	0.6	1
16	Molecular dynamics of acetate-based ionic liquids. Bulletin of Materials Science, 2019, 42, 1.	1.7	2
17	Binary mixtures of 2-methoxyaniline with various functional groups (Thermodynamic and transport) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	2.3	3
18	Investigation of Molecular Interaction in Benzene + Cyanex 923 Binary Mixtures at 298.15 K with Reduced Redlichâ€“Kister Functions. Russian Journal of Physical Chemistry A, 2019, 93, 2669-2675.	0.6	5

#	ARTICLE	IF	CITATIONS
19	THERMODYNAMIC AND ACOUSTIC STUDIES ON VARIOUS BINARY LIQUID MIXTURES. Rasayan Journal of Chemistry, 2019, 12, 1909-1918.	0.4	2
20	Investigations of the reduced Redlich-Kister excess properties of 1,4-dioxane + isobutyric acid binary mixtures at temperatures from 295.15 to 313.15K. Physics and Chemistry of Liquids, 2018, 56, 801-815.	1.2	6
21	Viscosity and Speed of Sound Studies of Binary Liquid Mixtures of Formamide with N,N-Dimethylaniline at Different Temperatures. Asian Journal of Chemistry, 2018, 30, 2008-2012.	0.3	4
22	Understanding the behavior of binary system contains N, N-dimethylformamide and N-methylaniline in terms of thermo-acoustic parameters at different temperatures. Materials Today: Proceedings, 2018, 5, 25850-25861.	1.8	2
23	Speed of sound studies of the binary liquid mixtures of N-methyl formamide with aniline at different temperatures. Materials Today: Proceedings, 2018, 5, 26238-26244.	1.8	1
24	Excess thermodynamic and acoustic properties for equimolar mixtures of benzyl benzoate with 1-butanol at different temperatures. Materials Today: Proceedings, 2018, 5, 26322-26328.	1.8	0
25	Comparative study of binary liquid mixtures containing aniline and formamide at different temperatures. Materials Today: Proceedings, 2018, 5, 26263-26270.	1.8	0
26	Corrigendum on "Studies on molar volume, dielectric properties and refractive indices of cyanex 923 + benzene/xylene at 300K". Journal of Molecular Liquids, 2018, 266, 62-64.	4.9	2
27	Thermo-Acoustical and Molecular Interaction Studies in Binary Liquid Mixtures at Different Temperatures. International Journal of Applied Physics, 2018, 5, 11-21.	0.1	1
28	On the reduced Redlich-Kister excess properties for 1,2-dimethoxyethane with propylene carbonate binary mixtures at temperatures (from 298.15 to 318.15) K. Mediterranean Journal of Chemistry, 2016, 6, 33-41.	0.7	3
29	Study of molecular interactions in the mixtures of some primary alcohols with equimolar mixture of 1-propanol and alkylbenzoates at T=303.15K. Journal of Chemical Thermodynamics, 2014, 68, 183-192.	2.0	10
30	Excess parameters for binary mixtures of alkyl benzoates with 2-propanol at different temperatures. Journal of Thermal Analysis and Calorimetry, 2014, 116, 923-935.	3.6	18
31	Excess thermodynamic and acoustic properties for the binary mixtures of Methyl Benzoate at T = (303, Tj) K. Journal of Chemical Thermodynamics, 2014, 68, 183-192.	1.2	14
32	Excess parameters for binary mixtures of ethyl benzoate with 1-propanol, 1-butanol and 1-pentanol at T=303, 308, 313, 318, and 323K. Physica B: Condensed Matter, 2013, 420, 40-48.	2.7	22
33	Experimental and Theoretical Studies of Ultrasonic Velocity in Binary Liquid Mixtures of Ethyl benzoate. E-Journal of Chemistry, 2012, 9, 2309-2314.	0.5	2
34	Ultrasonic Studies on Binary Mixtures of Acetyl Acetone at 301K. E-Journal of Chemistry, 2011, 8, 1094-1101.	0.5	2
35	Theoretical Prediction of Ultrasonic Velocity in Binary Liquid Mixtures. E-Journal of Chemistry, 2011, 8, S330-S334.	0.5	2
36	Binary mixtures of 2-methyl cyclohexanone with various functional groups (Thermodynamic and) Tj ETQq0 0 0 rgBT <sub>2</sub> /O Overlock <sub>10</sub> Tf 50 6	2.5	0

#	ARTICLE	IF	CITATIONS
37	EXCESS THERMODYNAMIC AND ACOUSTIC PROPERTIES FOR EQUIMOLAR MIXTURE OF METHYL BENZOATE AND ALKANOLS WITH BENZENE AT 303.15 K. Rasayan Journal of Chemistry, 0, , .	0.4	1
38	HIGH-TEMPERATURE PHASE TRANSFORMATIONS AND DYNAMICS OF ZnO NANOPARTICLES INCORPORATED 4-CYANO-4'-PENTYLBIPHENYL MESOGEN. Rasayan Journal of Chemistry, 0, , .	0.4	0