

# Ali Ghanadzdaeh Gilani

## List of Publications by Year in descending order

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94  
papers

1,941  
citations

201674

27  
h-index

315739

38  
g-index

95  
all docs

95  
docs citations

95  
times ranked

1617  
citing authors

#	ARTICLE	IF	CITATIONS
1	Toxicity of Copper Oxide (CuO) Nanoparticles on Human Blood Lymphocytes. <i>Biological Trace Element Research</i> , 2018, 184, 350-357.	3.5	97
2	The photophysical properties of Nile red and Nile blue in ordered anisotropic media. <i>Dyes and Pigments</i> , 2008, 78, 15-24.	3.7	81
3	Effects of surfactants on the molecular aggregation of rhodamine dyes in aqueous solutions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009, 72, 697-702.	3.9	78
4	Concentration effect on the absorption spectra of oxazine1 and methylene blue in aqueous and alcoholic solutions. <i>Journal of Molecular Liquids</i> , 2008, 138, 100-106.	4.9	71
5	Solvatochromism of Nile red in anisotropic media. <i>Dyes and Pigments</i> , 2012, 92, 1052-1057.	3.7	50
6	Tie-line data for the aqueous solutions of phenol with organic solvents at T=298.2K. <i>Journal of Chemical Thermodynamics</i> , 2013, 58, 142-148.	2.0	50
7	Tautomerism, solvatochromism, preferential solvation, and density functional study of some heteroarylazo dyes. <i>Journal of Molecular Liquids</i> , 2019, 273, 392-407.	4.9	50
8	A thermodynamic study of solute-solvent interactions through dielectric properties of the mixtures consisting of 1,4-butanediol, 1-octanol, and 1,4-dioxane at different temperatures. <i>Journal of Chemical Thermodynamics</i> , 2012, 55, 203-212.	2.0	49
9	Dielectric properties of binary mixtures of three butanediols with 1,4-dioxane and 2-ethyl-1-hexanol at T=298.2K. <i>Journal of Chemical Thermodynamics</i> , 2010, 42, 967-972.	2.0	41
10	Synthesis, characterization and spectroscopic properties of some new azo disperse dyes derived from 4-hydroxybenzo[h]quinolin-2-(1H)-one as a new synthesized enol type coupling component. <i>Dyes and Pigments</i> , 2012, 95, 632-638.	3.7	39
11	Dielectric study of molecular association in the binary mixtures (2-ethyl-1-hexanol+alcohol) and (cyclohexane+alcohol) at 298.2 K. <i>Journal of Chemical Thermodynamics</i> , 2005, 37, 357-362.	2.0	37
12	Nonlinear optical properties of two oxazine dyes in aqueous solution and polyacrylamide hydrogel using single beam Z-scan. <i>Optical Materials</i> , 2009, 32, 12-17.	3.6	37
13	(Liquid+liquid) equilibrium data of (water+phosphoric acid+solvents) systems at T=(308.2 and 318.2)K. <i>Journal of Chemical Thermodynamics</i> , 2012, 53, 52-59.	2.0	36
14	(Liquid+liquid) equilibria of (water+propionic acid+2-ethyl-1-hexanol): Experimental data and correlation. <i>Journal of Chemical Thermodynamics</i> , 2008, 40, 879-884.	2.0	35
15	Relative permittivity data of binary mixtures containing 2-butanol, 2-butanone, and cyclohexane. <i>Journal of Chemical Thermodynamics</i> , 2011, 43, 569-575.	2.0	35
16	Liquid-liquid equilibria study of the (water+phosphoric acid+hexyl or cyclohexyl acetate) systems at T=(298.15, 308.15, and 318.15)K: Measurement and thermodynamic modelling. <i>Journal of Chemical Thermodynamics</i> , 2016, 98, 200-207.	2.0	35
17	Liquid phase equilibria of (water+phosphoric acid+1-butanol or butyl acetate) ternary systems at T=308.2K. <i>Journal of Chemical Thermodynamics</i> , 2008, 40, 1666-1670.	2.0	33
18	Liquid phase equilibria of the system (water+phosphoric acid+1-octanol) at T=(298.2, 308.2, and 318.2)K. <i>Fluid Phase Equilibria</i> , 2012, 316, 109-116.	2.5	32

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19	Dielectric data of binary mixtures of 1,2-butanediol with 2-ethyl-1-hexanol and 1,4-dioxane at T=(298.2,) Tj ETQq1 1,0,784314,rgBT /Overlock 10 Tf	2.0	32
20	A new approach to study interaction parameters in cyanobiphenyl liquid crystal binary systems. Journal of Chemical Thermodynamics, 2015, 80, 22-29.	2.0	32
21	A comparative study on the aggregate formation of two oxazine dyes in aqueous and aqueous urea solutions. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 83, 100-105.	3.9	31
22	Solvatochromism, tautomerism and dichroism of some azoquinoline dyes in liquids and liquid crystals. Dyes and Pigments, 2012, 92, 1320-1330.	3.7	31
23	Solvatochromism and dichroism of fluorinated azoquinolin-8-ol dyes in liquid and liquid crystalline solutions. Journal of Molecular Liquids, 2008, 139, 72-79.	4.9	30
24	Ternary liquid-liquid equilibrium data for the (water+butyric acid+n-hexane or n-hexanol) systems at T=(298.2, 308.2, and 318.2)K. Journal of Chemical Thermodynamics, 2013, 60, 63-70.	2.0	30
25	Additive effect on the dimer formation of thiazine dyes. Journal of Molecular Liquids, 2013, 177, 273-282.	4.9	30
26	Solubility and tie line data of the water-phosphoric acid-solvents at T=303.2, 313.2, and 323.2K: An experimental and correlational study. Thermochimica Acta, 2013, 558, 36-45.	2.7	29
27	Photo-physical and structural studies of some synthesized arylazoquinoline dyes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 185, 111-124.	3.9	29
28	Experimental study of phase equilibria in aqueous mixtures of phosphoric acid with isoamyl acetate and methyl isoamyl ketone at T=(298.2, 308.2, and 318.2)K. Fluid Phase Equilibria, 2013, 337, 32-38.	2.5	28
29	Dielectric study of H-bonded interactions in amyl alcohols with ketones and DMSO at T = 298.15 K. Journal of Chemical Thermodynamics, 2017, 113, 263-275.	2.0	28
30	Dipole Moments and Intermolecular Association of Some Carbonyl Compounds in Nonpolar Solvents. Journal of Solution Chemistry, 2003, 32, 625-636.	1.2	27
31	(Liquid+liquid) equilibria in ternary aqueous mixtures of phosphoric acid with organic solvents at T=298.2K. Journal of Chemical Thermodynamics, 2010, 42, 695-699.	2.0	27
32	Excited state electric dipole moment of nile blue and brilliant cresyl blue: A comparative study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 89, 231-237.	3.9	26
33	(Liquid+liquid) equilibria of aqueous solutions of butyric acid with n-heptane and toluene at T=(298.2,) Tj ETQq1 1,0,784314,rgBT /Overlock 10 Tf	2.0	26
34	Electro-optical Kerr effect of two high birefringence nematic liquid crystals. Journal Physics D: Applied Physics, 2006, 39, 1495-1499.	2.8	24
35	Solvatochromism, dichroism and excited state dipole moment of azure A and methylene blue. Journal of Molecular Liquids, 2013, 179, 118-123.	4.9	24
36	Temperature and concentration dependence of the relative permittivity of (1,3-butanediol+1-octanol) Tj ETQq0 0,0,rgBT /Overlock 10 Tf	2.0	20

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37	The static Kerr effect of two nematic mixtures comprised of pentyl and heptyl cyanobiphenyls in the isotropic phase. <i>Journal of Molecular Liquids</i> , 2004, 112, 141-145.	4.9	19
38	Photo-physical behavior of thiazine dyes with or without surfactants into poly-HEMA hydrophilic gel matrix. <i>Journal of Molecular Liquids</i> , 2008, 143, 81-88.	4.9	19
39	Experimental and correlational study of phase equilibria in aqueous solutions of phosphoric acid with alcohols at different temperatures. <i>Journal of Molecular Liquids</i> , 2018, 268, 553-560.	4.9	19
40	Optimization of sono-Fenton degradation of Acid Blue 113 using iron vanadate nanoparticles. <i>Separation Science and Technology</i> , 2019, 54, 2943-2958.	2.5	19
41	Absorption anisotropy and molecular association of some ionic dyes in liquid crystalline solution. <i>Journal of Molecular Liquids</i> , 2004, 109, 149-154.	4.9	17
42	Dimeric spectra analysis in Microsoft Excel: A comparative study. <i>Computer Methods and Programs in Biomedicine</i> , 2011, 104, 175-181.	4.7	17
43	Experimental determination and correlation of tie line data for the system (water+butyric) Tj ETQq1 1 0.784314 rgBT/Overlock 10 Tf 50	2.5	17
44	Experimental and modeling study of liquid phase equilibria for (water+phosphoric acid+sec-alcohols) systems. <i>Journal of Chemical Thermodynamics</i> , 2019, 135, 305-315.	2.0	17
45	Nanoscale Engineering of Building Blocks to Synthesize a Three-Dimensional Architecture of Pd Aerogel as a Robust Self-Supporting Catalyst toward Ethanol Electrooxidation. <i>Energy &amp; Fuels</i> , 2021, 35, 3396-3406.	5.1	17
46	Additive-induced aggregate changes of two structurally similar dyes in aqueous solutions: A comparative photophysical study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 189, 543-555.	3.9	16
47	The ferroelectricity effect of nanoparticles on thermodynamics and electro-optics of novel cyanobiphenyl eutectic binary mixture liquid crystals. <i>Journal of Molecular Liquids</i> , 2015, 209, 336-345.	4.9	15
48	Dielectric study of primary alkanediols (C 3 , C 4 , C 5 ) with 1-pentanol isomers. <i>Journal of Molecular Liquids</i> , 2017, 231, 27-38.	4.9	15
49	Experimental and correlated liquid-liquid equilibrium data for water-phosphoric acid-ester. <i>Journal of Chemical Thermodynamics</i> , 2018, 123, 51-61.	2.0	15
50	(Liquid+liquid) equilibria for ternary mixtures of (water+propionic acid+organic solvent) at T=303.2K. <i>Journal of Chemical Thermodynamics</i> , 2010, 42, 267-273.	2.0	14
51	Dielectric analysis of binary systems of primary diols with 1-hexanol and 1,4-dioxane at various temperatures. <i>Journal of Molecular Liquids</i> , 2014, 196, 270-279.	4.9	14
52	Experimental and Correlational Study of Phase Equilibria in Aqueous Solutions of Formic and Butyric Acids with Isoamyl Acetate and Methyl Isoamyl Ketone at $T = 298.15$ K. <i>Journal of Chemical &amp; Engineering Data</i> , 2014, 59, 917-925.	1.9	14
53	Spectral and aggregative properties of two oxazine dyes in aqueous solutions containing structure-breaking and multifunctional additives. <i>Journal of Molecular Liquids</i> , 2014, 193, 194-203.	4.9	13
54	Solubility and tie line data for the aqueous solutions of butyric acid with 1-octanol and 2-ethyl-1-hexanol at various temperatures. <i>Fluid Phase Equilibria</i> , 2014, 361, 45-53.	2.5	13

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55	Experimental and correlational study of phase equilibria in aqueous mixtures of phosphoric acid with aromatic hydrocarbons at various temperatures. <i>Journal of Chemical Thermodynamics</i> , 2015, 91, 121-126.	2.0	13
56	Liquid-liquid equilibrium data in aqueous solutions of propionic and butyric acids with 1-heptanol at T=(298.15, 308.15, and 318.15) K. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 1408-1415.	2.7	13
57	Catalytic degradation of malachite green in aqueous solution by porous manganese oxide octahedral molecular sieve (OMS-2) nanorods. <i>Research on Chemical Intermediates</i> , 2018, 44, 3313-3323.	2.7	13
58	Tie line data for the (water+butyric acid+n-butyl alcohol or amyl alcohol) at T=(298.2, 308.2, and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2014, 71, 103-111.	2.0	12
59	A comparative spectroscopic study of thiourea effect on the photophysical and molecular association behavior of various phenothiazine dyes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 179, 132-143.	3.9	12
60	Environment effect on the electronic absorption spectra of crystal violet. <i>Journal of Molecular Liquids</i> , 2007, 133, 61-67.	4.9	11
61	Liquid Phase Equilibria of Aqueous Mixtures of Carboxylic Acids (C <sub>1</sub> to C <sub>4</sub> ) with Ethylbenzene: Thermodynamic and Mathematical Modeling. <i>Journal of Chemical &amp; Engineering Data</i> , 2016, 61, 3391-3397.	1.9	11
62	Estimation of ground- and excited-state dipole moments of oxazine 1 in liquid and liquid crystalline media. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 79, 148-155.	3.9	10
63	Synthesis, structural elucidation, solvatochromism and spectroscopic properties of some azo dyes derived from 6-chloro-4-hydroxyquinoline-2(1H)-one. <i>Journal of Molecular Structure</i> , 2016, 1108, 623-630.	3.6	10
64	Experimental study and thermodynamic modeling of phase equilibria of systems containing cyclohexane, alcohols (C4 and C5), and deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2021, 340, 117196.	4.9	10
65	Dipole moments of Fluorobenzene and its Mesogenic Derivative in 1,4-Dioxane and 1-Butanol Solutions. <i>Journal of Solution Chemistry</i> , 2009, 38, 557-570.	1.2	9
66	Binodal curves and tie line data of the water-propionic acid-iso-butyl acetate at T=(298.2, 308.2, 318.2,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2014, 71, 103-111.	2.7	9
67	Electro-optical Kerr effect in the isotropic phase of the two antiferroelectric liquid crystal mixtures. <i>Phase Transitions</i> , 2010, 83, 432-439.	1.3	8
68	Tautomeric behavior of some azoquinoline dyes in liquid and liquid crystalline media. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 87, 112-118.	3.9	8
69	Permittivities, Refractive Indices, Densities, and Excess Properties for Binary Systems Containing 1-Alkanols and Cyclopentanone. <i>Journal of Chemical &amp; Engineering Data</i> , 2018, 63, 2888-2903.	1.9	8
70	Electro-optic characterization of novel tolane-based nematic liquid crystals. <i>Journal of Molecular Liquids</i> , 2006, 129, 169-172.	4.9	7
71	Study of intermolecular interactions through dielectric properties of the mixtures consisting of 1,4-butanediol, primary amyl alcohols and 1,4-dioxane at various temperatures. <i>Journal of Chemical Thermodynamics</i> , 2015, 91, 384-395.	2.0	7
72	Experimental measurement, excess parameters, and analysis of permittivity data for (primary diols +) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2014, 71, 103-111.	2.9	7

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73	Kerr Effect Studies on Mixtures of the Two Tolane Base Liquid Crystals. <i>Molecular Crystals and Liquid Crystals</i> , 2009, 502, 99-108.	0.9	6
74	A Dielectric Study of Intermolecular Interactions of 1,3-Propanediol with 1-Octanol and 2-Ethyl-1-hexanol at Various Temperatures. <i>Journal of Solution Chemistry</i> , 2014, 43, 1344-1359.	1.2	6
75	A comparative study of liquid-liquid equilibria for aqueous mixtures of straight chain and branched chain carboxylic acids with methyl isobutyl carbinol. <i>Journal of Chemical Thermodynamics</i> , 2020, 143, 106026.	2.0	6
76	Cyclopentanone-Alkanediol Systems: Experimental and Theoretical Study on Hydrogen-Bond Complex Formation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 18318-18334.	3.7	6
77	Systematic Study on Physicochemical and Related Excess Properties of Several Binary Systems of Cyclic Ketones and Alkanediols (C <sub>2</sub> -C <sub>5</sub> ). <i>Journal of Chemical &amp; Engineering Data</i> , 2020, 65, 1886-1899.	1.9	6
78	Phase diagram and electro-optical Kerr effect of nematic mixtures containing tolane and biphenyl cores. <i>Liquid Crystals</i> , 2009, 36, 347-352.	2.2	5
79	Aryl and heteroaryl azo dyes derived from 6,8-dichloro-4-hydroxyquinoline (1 <i>H</i> ): synthesis, characterisation, solvatochromism and spectroscopic properties. <i>Coloration Technology</i> , 2019, 135, 391-406.	1.5	5
80	Modified dielectric permittivity models for binary liquid mixture. <i>Journal of Molecular Liquids</i> , 2019, 277, 546-555.	4.9	5
81	Comparative Study of Liquid-Liquid Phase Equilibria of the Type II Systems Water + Carboxylic Acids (C <sub>5</sub> and C <sub>6</sub> ) + Acetate Esters: Measurement and Correlation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 3129-3140.	3.7	5
82	Liquid-Liquid Equilibria for Binary Azeotrope Mixtures of Heptane and Amyl Alcohols Using Different Choline Chloride Based Deep Eutectic Solvents at 298.15 K. <i>Industrial &amp; Engineering Chemistry Research</i> , 2022, 61, 4068-4082.	3.7	5
83	Comparative Dielectric Study and Molecular Interactions of Binary Mixtures of (Cyclohexanone +) Tj ETQq1 1.0.784314 rgBT /Overload 298.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , 0, , .	1.9	4
84	Comparative Analysis of Liquid-Liquid Equilibria for Aqueous Systems of Propionic Acid with Structurally Similar Aryl Solvents. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 9254-9264.	3.7	4
85	Measurement and Modeling of Liquid-Liquid Equilibria for Water-Phosphoric Acid-Aromatic Esters. <i>Journal of Chemical &amp; Engineering Data</i> , 2020, 65, 5118-5128.	1.9	3
86	Liquid-Liquid Equilibria in Aqueous Mixtures of Phosphoric Acid with Two Primary Aryl Alcohols at T = 298.2, 308.2, and 318.2 K: Measurements and Correlation. <i>Journal of Solution Chemistry</i> , 2021, 50, 1.2 73-89.	1.2	3
87	Dielectric, Volumetric, Refractometric, and Excess Properties of (Cycloalkane + Pentanol Isomers) Systems at <i>T</i> = 298.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , 2021, 66, 3934-3950.	1.9	3
88	Conductometric and refractometric study of 1-Ethyl-3-methylimidazolium Bromide ionic liquid in water + ethanol/1-propanol mixtures at <i>T</i> = (298.2, 308.2 and 318.2) K. <i>Journal of Molecular Liquids</i> , 2017, 237, 402-412.	4.9	2
89	Comparative Evaluation of the Liquid-Liquid Equilibria of the Extraction of Valeric or Caproic Acids from Water by Esters. <i>Journal of Chemical &amp; Engineering Data</i> , 2020, 65, 5293-5302.	1.9	2
90	A comparative study on liquid phase equilibria of aqueous mixtures of two structurally close carboxylic acids with sec-amyl alcohols at 298.2 K. <i>Journal of Molecular Liquids</i> , 2021, 324, 114733.	4.9	2

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91	Comparative Study of Liquid-Liquid Equilibria for Aqueous Mixtures of Phosphoric Acid with Two Structurally Similar Carbonyl Compounds: Measurement and Correlation. Journal of Chemical & Engineering Data, 2020, 65, 5341-5351.	1.9	1
92	Experimental and Correlated Liquid-Liquid Equilibrium Data for (Water + Propionic Acid +) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 T 65, 2392-2404.	1.9	1
93	Thermal, optical, and volumetric studies on mixing properties of binary nematic mixtures of 9CHBT/11CHBT. Journal of Molecular Liquids, 2022, 360, 119411.	4.9	1
94	Spectral and Aggregative Properties of Acid Blue 113 in Aqueous and Aqueous Solutions of Urea and in Colloids of Silver Nanoparticles. Journal of Solution Chemistry, 2020, 49, 849-862.	1.2	0