

# 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  | 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         |
| 2  | Thermal, optical, and volumetric studies on mixing properties of binary nematic mixtures of 9CHBT/11CHBT. <i>Journal of Molecular Liquids</i> , 2022, 360, 119411.  | 4.9 | 1         |
| 3  | 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         |
| 4  | Liquid-Liquid Equilibria in Aqueous Mixtures of Phosphoric Acid with Two Primary Aryl Alcohols at 298.2, 308.2, and 318.2 K: Measurements and Correlation. <i>Journal of Solution Chemistry</i> , 2021, 50, 1.2 73-89.  |     | 3         |
| 5  | 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        |
| 6  | 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        |
| 7  | Dielectric, Volumetric, Refractometric, and Excess Properties of (Cycloalkanone + Pentanol Isomers) Systems at $T = 298.15$ K. <i>Journal of Chemical &amp; Engineering Data</i> , 2021, 66, 3934-3950.   | 1.9 | 3         |
| 8  | 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         |
| 9  | 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         |
| 10 | 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         |
| 11 | Comparative Study of Liquid-Liquid Equilibria for Aqueous Mixtures of Phosphoric Acid with Two Structurally Similar Carbonyl Compounds: Measurement and Correlation. <i>Journal of Chemical &amp; Engineering Data</i> , 2020, 65, 5341-5351.                         | 1.9 | 1         |
| 12 | 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         |
| 13 | Spectral and Aggregative Properties of Acid Blue 113 in Aqueous and Aqueous Solutions of Urea and in Colloids of Silver Nanoparticles. <i>Journal of Solution Chemistry</i> , 2020, 49, 849-862.  | 1.2 | 0         |
| 14 | 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         |
| 15 | 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         |
| 16 | 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         |
| 17 | Experimental and Correlated Liquid-Liquid Equilibrium Data for (Water + Propionic Acid + Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tj 65, 2392-2404.  | 1.9 | 1         |
| 18 | Aryl and heteroaryl azo dyes derived from 6,8-dichloro-4-hydroxyquinolin-2(1H)-one: synthesis, characterisation, solvatochromism and spectroscopic properties. <i>Coloration Technology</i> , 2019, 135, 391-406.   | 1.5 | 5         |

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|----|--|-----|-----------|
| 19 | 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        |
| 20 | 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        |
| 21 | Modified dielectric permittivity models for binary liquid mixture. <i>Journal of Molecular Liquids</i> , 2019, 277, 546-555.   | 4.9 | 5         |
| 22 | 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        |
| 23 | Experimental measurement, excess parameters, and analysis of permittivity data for (primary diols +) Tj ETQq1 1 0.784314 rgBT /Overlo  | 4.9 | 17        |
| 24 | 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        |
| 25 | 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        |
| 26 | Toxicity of Copper Oxide (CuO) Nanoparticles on Human Blood Lymphocytes. <i>Biological Trace Element Research</i> , 2018, 184, 350-357.  | 3.5 | 97        |
| 27 | 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        |
| 28 | 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         |
| 29 | 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        |
| 30 | Dielectric study of primary alkanediols (C <sub>3</sub> , C <sub>4</sub> , C <sub>5</sub> ) with 1-pentanol isomers. <i>Journal of Molecular Liquids</i> , 2017, 231, 27-38.   | 4.9 | 15        |
| 31 | 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        |
| 32 | Conductometric and refractometric study of 1-Ethyl-3-methylimidazolium Bromide ionic liquid in water + ethanol/1-propanol mixtures at T = (298.2, 308.2 and 318.2) K. <i>Journal of Molecular Liquids</i> , 2017, 237, 402-412.                | 4.9 | 2         |
| 33 | Dielectric study of H-bonded interactions in amyl alcohols with ketones and DMSO at T = 298.15 K. <i>Journal of Chemical Thermodynamics</i> , 2017, 113, 263-275.  | 2.0 | 28        |
| 34 | Photo-physical and structural studies of some synthesized arylazoquinoline dyes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 185, 111-124.  | 3.9 | 29        |
| 35 | 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        |
| 36 | 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        |

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|----|--|-----|-----------|
| 37 | Synthesis, structural elucidation, solvatochromism and spectroscopic properties of some azo dyes derived from 6-chloro-4-hydroxyquinoline-2(1H)-one. Journal of Molecular Structure, 2016, 1108, 623-630.                              | 3.6 | 10        |
| 38 | 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. Korean Journal of Chemical Engineering, 2016, 33, 1408-1415.                                   | 2.7 | 13        |
| 39 | Experimental and correlational study of phase equilibria in aqueous mixtures of phosphoric acid with aromatic hydrocarbons at various temperatures. Journal of Chemical Thermodynamics, 2015, 91, 121-126.                             | 2.0 | 13        |
| 40 | The ferroelectricity effect of nanoparticles on thermodynamics and electro-optics of novel cyanobiphenyl eutectic binary mixture liquid crystals. Journal of Molecular Liquids, 2015, 209, 336-345.                                    | 4.9 | 15        |
| 41 | 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. Journal of Chemical Thermodynamics, 2015, 91, 384-395. | 2.0 | 7         |
| 42 | A new approach to study interaction parameters in cyanobiphenyl liquid crystal binary systems. Journal of Chemical Thermodynamics, 2015, 80, 22-29.  | 2.0 | 32        |
| 43 | Dielectric analysis of binary systems of primary diols with 1-hexanol and 1,4-dioxane at various temperatures. Journal of Molecular Liquids, 2014, 196, 270-279.   | 4.9 | 14        |
| 44 | 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        |
| 45 | A Dielectric Study of Intermolecular Interactions of 1,3-Propanediol with 1-Octanol and 2-Ethyl-1-hexanol at Various Temperatures. Journal of Solution Chemistry, 2014, 43, 1344-1359.   | 1.2 | 6         |
| 46 | 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. Journal of Chemical & Engineering Data, 2014, 59, 917-925. | 1.9 | 14        |
| 47 | Spectral and aggregative properties of two oxazine dyes in aqueous solutions containing structure-breaking and multifunctional additives. Journal of Molecular Liquids, 2014, 193, 194-203.  | 4.9 | 13        |
| 48 | Solubility and tie line data for the aqueous solutions of butyric acid with 1-octanol and 2-ethyl-1-hexanol at various temperatures. Fluid Phase Equilibria, 2014, 361, 45-53.   | 2.5 | 13        |
| 49 | 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        |
| 50 | 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        |
| 51 | Tie-line data for the aqueous solutions of phenol with organic solvents at T=298.2K. Journal of Chemical Thermodynamics, 2013, 58, 142-148.  | 2.0 | 50        |
| 52 | Temperature and concentration dependence of the relative permittivity of (1,3-butanediol+1-octanol) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 . 2013, 58, 142-148.  | 2.0 | 20        |
| 53 | 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. Thermochemica Acta, 2013, 558, 36-45.   | 2.7 | 29        |
| 54 | Additive effect on the dimer formation of thiazine dyes. Journal of Molecular Liquids, 2013, 177, 273-282.   | 4.9 | 30        |

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|----|---|-----|-----------|
| 55 | Solvatochromism, dichroism and excited state dipole moment of azure A and methylene blue. Journal of Molecular Liquids, 2013, 179, 118-123.   | 4.9 | 24        |
| 56 | (Liquid+liquid) equilibria of aqueous solutions of butyric acid with n-heptane and toluene at T=(298.2, 308.2, 318.2)K. Journal of Chemical Thermodynamics, 2012, 44, 109-116.  | 2.6 | 26        |
| 57 | 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. Dyes and Pigments, 2012, 95, 632-638.             | 3.7 | 39        |
| 58 | Experimental determination and correlation of tie line data for the system (water+butyric acid) at T=(298.2, 308.2, 318.2)K. Journal of Chemical Thermodynamics, 2012, 44, 50-52.   | 2.5 | 17        |
| 59 | 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. Journal of Chemical Thermodynamics, 2012, 44, 203-212. | 2.0 | 49        |
| 60 | Liquid phase equilibria of the system (water+phosphoric acid+1-octanol) at T=(298.2, 308.2, and 318.2)K. Fluid Phase Equilibria, 2012, 316, 109-116.  | 2.5 | 32        |
| 61 | Solvatochromism of Nile red in anisotropic media. Dyes and Pigments, 2012, 92, 1052-1057.   | 3.7 | 50        |
| 62 | Solvatochromism, tautomerism and dichroism of some azoquinoline dyes in liquids and liquid crystals. Dyes and Pigments, 2012, 92, 1320-1330.  | 3.7 | 31        |
| 63 | Tautomeric behavior of some azoquinoline dyes in liquid and liquid crystalline media. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 87, 112-118.   | 3.9 | 8         |
| 64 | 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        |
| 65 | Binodal curves and tie line data of the water-propionic acid-iso-butyl acetate at T=(298.2, 308.2, 318.2, 328.2)K. Journal of Chemical Thermodynamics, 2012, 44, 109-116.   | 2.7 | 9         |
| 66 | Dielectric data of binary mixtures of 1,2-butanediol with 2-ethyl-1-hexanol and 1,4-dioxane at T=(298.2, 308.2, 318.2)K. Journal of Chemical Thermodynamics, 2012, 44, 109-116.   | 2.0 | 32        |
| 67 | (Liquid+liquid) equilibrium data of (water+phosphoric acid+solvents) systems at T=(308.2 and 318.2)K. Journal of Chemical Thermodynamics, 2012, 44, 52-59.  | 2.0 | 36        |
| 68 | 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        |
| 69 | Dimeric spectra analysis in Microsoft Excel: A comparative study. Computer Methods and Programs in Biomedicine, 2011, 104, 175-181.   | 4.7 | 17        |
| 70 | Estimation of ground- and excited-state dipole moments of oxazine 1 in liquid and liquid crystalline media. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 79, 148-155.   | 3.9 | 10        |
| 71 | Relative permittivity data of binary mixtures containing 2-butanol, 2-butanone, and cyclohexane. Journal of Chemical Thermodynamics, 2011, 43, 569-575.   | 2.0 | 35        |
| 72 | (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        |

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|----|---|-----|-----------|
| 73 | (Liquid+liquid) equilibria for ternary mixtures of (water+propionic acid+organic solvent) at T=303.2K. Journal of Chemical Thermodynamics, 2010, 42, 267-273.                             | 2.0 | 14        |
| 74 | Dielectric properties of binary mixtures of three butanediols with 1,4-dioxane and 2-ethyl-1-hexanol at T=298.2K. Journal of Chemical Thermodynamics, 2010, 42, 967-972.                  | 2.0 | 41        |
| 75 | Electro-optical Kerr effect in the isotropic phase of the two antiferroelectric liquid crystal mixtures. Phase Transitions, 2010, 83, 432-439.  | 1.3 | 8         |
| 76 | Phase diagram and electro-optical Kerr effect of nematic mixtures containingtolane and biphenyl cores. Liquid Crystals, 2009, 36, 347-352.  | 2.2 | 5         |
| 77 | Kerr Effect Studies on Mixtures of the Two Tolane Base Liquid Crystals. Molecular Crystals and Liquid Crystals, 2009, 502, 99-108.  | 0.9 | 6         |
| 78 | Dipole moments of Flourobenezene and its Mesogenic Derivative in 1,4-Dioxane and 1-Butanol Solutions. Journal of Solution Chemistry, 2009, 38, 557-570.                                   | 1.2 | 9         |
| 79 | Nonlinear optical properties of two oxazine dyes in aqueous solution and polyacrylamide hydrogel using single beam Z-scan. Optical Materials, 2009, 32, 12-17.                            | 3.6 | 37        |
| 80 | Effects of surfactants on the molecular aggregation of rhodamine dyes in aqueous solutions. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 72, 697-702.     | 3.9 | 78        |
| 81 | Liquid phase equilibria of (water+phosphoric acid+1-butanol or butyl acetate) ternary systems at T=308.2K. Journal of Chemical Thermodynamics, 2008, 40, 1666-1670.                       | 2.0 | 33        |
| 82 | (Liquid+liquid) equilibria of (water+propionic acid+2-ethyl-1-hexanol): Experimental data and correlation. Journal of Chemical Thermodynamics, 2008, 40, 879-884.                         | 2.0 | 35        |
| 83 | The photophysical properties of Nile red and Nile blue in ordered anisotropic media. Dyes and Pigments, 2008, 78, 15-24.  | 3.7 | 81        |
| 84 | Concentration effect on the absorption spectra of oxazine1 and methylene blue in aqueous and alcoholic solutions. Journal of Molecular Liquids, 2008, 138, 100-106.                       | 4.9 | 71        |
| 85 | 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        |
| 86 | Photo-physical behavior of thiazine dyes with or without surfactants into poly-HEMA hydrophilic gel matrix. Journal of Molecular Liquids, 2008, 143, 81-88.                               | 4.9 | 19        |
| 87 | Environment effect on the electronic absorption spectra of crystal violet. Journal of Molecular Liquids, 2007, 133, 61-67.  | 4.9 | 11        |
| 88 | Electro-optical Kerr effect of two high birefringence nematic liquid crystals. Journal Physics D: Applied Physics, 2006, 39, 1495-1499.   | 2.8 | 24        |
| 89 | Electro-optic characterization of novel tolane-based nematic liquid crystals. Journal of Molecular Liquids, 2006, 129, 169-172.   | 4.9 | 7         |
| 90 | Dielectric study of molecular association in the binary mixtures (2-ethyl-1-hexanol+alcohol) and (cyclohexane+alcohol) at 298.2 K. Journal of Chemical Thermodynamics, 2005, 37, 357-362. | 2.0 | 37        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 91 | Absorption anisotropy and molecular association of some ionic dyes in liquid crystalline solution. Journal of Molecular Liquids, 2004, 109, 149-154.  | 4.9 | 17        |
| 92 | The static Kerr effect of two nematic mixtures comprised of pentyl and heptyl cyanobiphenyls in the isotropic phase. Journal of Molecular Liquids, 2004, 112, 141-145.                        | 4.9 | 19        |
| 93 | Dipole Moments and Intermolecular Association of Some Carbonyl Compounds in Nonpolar Solvents. Journal of Solution Chemistry, 2003, 32, 625-636.  | 1.2 | 27        |
| 94 | Comparative Dielectric Study and Molecular Interactions of Binary Mixtures of (Cyclohexanone +) Tj ETQqO 0 0 rgBT /Overlock 10 Tf 50 298.15 K. Journal of Chemical & Engineering Data, 0, , . | 1.9 | 4         |