

Fernando Hevia

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Thermodynamics of Amide + Amine Mixtures. 1. Volumetric, Speed of Sound, and Refractive Index Data for <i>N,N</i> -Dimethylformamide + <i>N</i> -Propylpropan-1-amine, + <i>N</i> -Butylbutan-1-amine, + Butan-1-amine, or + Hexan-1-amine Systems at Several Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2016, 61, 1468-1478.	1.9	12
2	Thermodynamics of amide+ketone mixtures. 1. Volumetric, speed of sound and refractive index data for <i>N,N</i> -dimethylformamide+2-alkanone systems at several temperatures. <i>Journal of Chemical Thermodynamics</i> , 2016, 98, 21-32.	2.0	8
3	Thermodynamics of Amide + Amine Mixtures. 2. Volumetric, Speed of Sound and Refractive Index Data for <i>N,N</i> -Dimethylacetamide + <i>N</i> -Propylpropan-1-Amine, + <i>N</i> -Butylbutan-1-Amine, + Butan-1-Amine, or + Hexan-1-Amine Systems at Several Temperatures. <i>Journal of Solution Chemistry</i> , 2017, 46, 150-174.	1.2	8
4	Orientational effects in alkanone, alkanal or dialkyl carbonate + alkane mixtures and in alkanone + alkanone or + dialkyl carbonate systems. <i>Journal of Molecular Liquids</i> , 2017, 233, 517-527.	4.9	8
5	Thermodynamics of mixtures with strongly negative deviations from Raoult's law. XV. Permittivities and refractive indices for 1-alkanol + <i>n</i> -hexylamine systems at (293.15–303.15) K. Application of the Kirkwood-Fröhlich model. <i>Fluid Phase Equilibria</i> , 2018, 468, 18-28.	2.5	8
6	Liquid-Liquid Equilibria for Systems Containing 4-Phenylbutan-2-one or Benzyl Ethanoate and Selected Alkanes. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 988-994.	1.9	7
7	Thermodynamics of mixtures containing a very strongly polar compound. 12. Systems with nitrobenzene or 1-nitroalkane and hydrocarbons or 1-alkanols. <i>Fluid Phase Equilibria</i> , 2018, 471, 24-39.	2.5	7
8	Thermodynamics of amide + amine mixtures. 4. Relative permittivities of <i>N,N</i> -dimethylacetamide + <i>N</i> -propylpropan-1-amine, + <i>N</i> -butylbutan-1-amine, + butan-1-amine, or + hexan-1-amine systems and of <i>N,N</i> -dimethylformamide + aniline mixture at several temperatures. Characterization of amide + amine systems using ERAS. <i>Journal of Chemical Thermodynamics</i> , 2018, 118, 175-187.	2.0	7
9	Density, speed of sound, refractive index and relative permittivity of methanol, propan-1-ol or pentan-1-ol + aniline liquid mixtures. Application of the Kirkwood-Fröhlich model. <i>Journal of Molecular Liquids</i> , 2021, 322, 114988.	4.9	7
10	Thermodynamics of amide + amine mixtures. 3. Relative permittivities of <i>N,N</i> -dimethylformamide + <i>N</i> -propylpropan-1-amine, + <i>N</i> -butylbutan-1-amine, + butan-1-amine, or + hexan-1-amine systems at several temperatures. <i>Journal of Molecular Liquids</i> , 2017, 238, 440-446.	4.9	6
11	Orientational effects in mixtures of organic carbonates with alkanes or 1-alkanols. <i>Fluid Phase Equilibria</i> , 2017, 449, 91-103.	2.5	6
12	Thermodynamics of mixtures containing aromatic nitriles. <i>Journal of Chemical Thermodynamics</i> , 2018, 116, 259-272.	2.0	6
13	Thermodynamics of mixtures with strongly negative deviations from Raoult's law. XVI. Permittivities and refractive indices for 1-alkanol + <i>n</i> -di- <i>n</i> -propylamine systems at (293.15–303.15) K. Application of the Kirkwood-Fröhlich model. <i>Journal of Molecular Liquids</i> , 2018, 271, 704-714.	4.9	5
14	Thermodynamics of mixtures containing a very strongly polar compound. 11. 1-Alkanol+alkanenitrile systems. <i>Thermochimica Acta</i> , 2015, 605, 121-129.	2.7	4
15	Thermodynamics of mixtures with strongly negative deviations from Raoult's law. XVII. Permittivities and refractive indices for 1-alkanol + <i>N,N</i> -diethylethanamine systems at (293.15–303.15) K. Application of the Kirkwood-Fröhlich model. <i>Journal of Chemical Thermodynamics</i> , 2020, 141, 105937.	2.0	4
16	Thermodynamics of amide + amine mixtures. 5. Excess molar enthalpies of <i>N,N</i> -dimethylformamide or <i>N,N</i> -dimethylacetamide + <i>N</i> -propylpropan-1-amine, + <i>N</i> -butylbutan-1-amine, + butan-1-amine, or + hexan-1-amine systems at 298.15 K. Application of the ERAS model. <i>Fluid Phase Equilibria</i> , 2019, 502, 112283.	2.5	3
17	Characterization of 1-alkanol + strongly polar compound mixtures from thermophysical data and the application of the Kirkwood-Buff integrals and Kirkwood-Fröhlich formalisms. <i>Fluid Phase Equilibria</i> , 2019, 492, 41-54.	2.5	3
18	Dissolution of sulfur dioxide and nitrogen monoxide in water. <i>Journal of Chemical Thermodynamics</i> , 2020, 142, 106006.	2.0	3

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19	Volumetric and Viscosimetric Measurements for Methanol+CH ₃ O(CH ₂ CH ₂ O) _n CH ₃ (n=2, 3, 4) Mixtures at (293.15–303.15) K and Atmospheric Pressure: Application of the ERAS Model. Journal of Solution Chemistry, 2020, 49, 332-352.	1.2	3
20	Density, speed of sound, refractive index and relative permittivity of methanol, propan-1-ol or pentan-1-ol+benzylamine liquid mixtures. Application of the Kirkwood-Fröhlich model. Journal of Chemical Thermodynamics, 2022, 168, 106737.	2.0	3
21	Thermodynamics of mixtures with strong negative deviations from Raoult's law. XVIII: Excess molar enthalpies for the (1-alkanol+cyclohexylamine) systems at 298.15 K and modelling. Journal of Chemical Thermodynamics, 2021, 157, 106395.	2.0	2
22	Thermodynamics of mixtures containing a fluorinated benzene and a hydrocarbon. Journal of Molecular Liquids, 2021, 335, 116506.	4.9	2
23	Thermodynamics of amide + ketone mixtures. 2. Volumetric, speed of sound and refractive index data for N,N-dimethylacetamide + 2-alkanone systems at several temperatures. Application of Flory's model to tertiary amide + n-alkanone systems. Journal of Molecular Liquids, 2017, 248, 286-301.	4.9	1
24	Liquid-liquid equilibria for (2-hydroxy benzaldehyde+n-alkane) mixtures. Intermolecular and proximity effects in systems containing hydroxyl and aldehyde groups. Journal of Chemical Thermodynamics, 2019, 135, 359-368. mixtures containing amines. XVII. $\int_{-1}^1 \frac{1}{1+x^2} dx = \frac{1}{2} \ln \left \frac{1+x}{1-x} \right + C$	2.0	1
25	$\int_{-1}^1 \frac{1}{1+x^2} dx = \frac{1}{2} \ln \left \frac{1+x}{1-x} \right + C$ and $\int_{-1}^1 \frac{1}{1+x^2} dx = \frac{1}{2} \ln \left \frac{1+x}{1-x} \right + C$	2.5	1
26	Thermodynamics of amine mixtures. Systems formed by alkyl-amine and ether, or N,N-dialkylamide, or ethanenitrile. Journal of Molecular Liquids, 2020, 306, 112907.	4.9	0
27	Fun outreach in Optics: Physics League. Optica Pura Y Aplicada, 2020, 53, 1-8.	0.1	0
28	Thermodynamics of chlorobenzene, or bromobenzene, or 1-chloronaphthalene or 1,2,4-trichlorobenzene+alkane mixtures. Journal of Molecular Liquids, 2022, 348, 118282.	4.9	0