

Jose Carlos Cobos

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L-index

#	Paper	IF	Citations
172	Thermodynamics of mixtures with strongly negative deviations from Raoult's Law. <i>Fluid Phase Equilibria</i> , 2000 , 168, 31-58	2.5	133
171	A Characterization of the Aliphatic/Hydroxyl Interactions using a Group Contribution Model (Disquac). <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1991 , 95, 1658-1668		96
170	Excess molar volumes for dimethyl carbonate + heptane, decane, 2,2,4-trimethylpentane, cyclohexane, benzene, toluene, or tetrachloromethane. <i>Journal of Chemical & Engineering Data</i> , 1992 , 37, 535-537	2.8	83
169	Thermodynamics of mixtures with strongly negative deviations from Raoult's law. <i>Fluid Phase Equilibria</i> , 2002 , 198, 313-329	2.5	68
168	Thermodynamics of mixtures containing alkoxyethanols. Part XV. DISQUAC characterization of systems of alkoxyethanols with n-alkanes or cyclohexane. <i>Physical Chemistry Chemical Physics</i> , 2001 , 3, 2856-2865	3.6	66
167	Thermodynamics of liquid mixtures containing a very strongly polar compound. <i>Fluid Phase Equilibria</i> , 2004 , 224, 169-183	2.5	65
166	Application of the zeroth approximation of the DISQUAC model to cyclohexane + n-alkane mixtures using different combinatorial entropy terms. <i>Fluid Phase Equilibria</i> , 1995 , 112, 63-87	2.5	64
165	Densities and heat capacities of 1-butanol + n-decane from 298 K to 400 K. <i>Fluid Phase Equilibria</i> , 1986 , 27, 137-151	2.5	61
164	Estimation of DISQUAC interchange energy parameters for 1-alkanols + benzene or + toluene mixtures. <i>Fluid Phase Equilibria</i> , 1994 , 93, 1-22	2.5	59
163	Thermodynamics of binary mixtures containing organic carbonates. 4. Liquid-liquid equilibria of dimethyl carbonate + selected n-alkanes. <i>Journal of Chemical & Engineering Data</i> , 1991 , 36, 162-164	2.8	57
162	Thermodynamics of binary mixtures containing organic carbonates. 1. Excess enthalpies of dimethyl carbonate + hydrocarbons or + tetrachloromethane. <i>Journal of Chemical & Engineering Data</i> , 1988 , 33, 423-426	2.8	56
161	Thermodynamics of mixtures with strongly negative deviations from Raoult's law. Part 8. Excess molar volumes at 298.15K for 1-alkanol + isomeric amine (C ₆ H ₁₅ N) systems. <i>Fluid Phase Equilibria</i> , 2004 , 216, 123-133	2.5	54
160	An exact quasi-chemical equation for excess heat capacity with W-shaped concentration dependence. <i>Fluid Phase Equilibria</i> , 1997 , 133, 105-127	2.5	52
159	Excess properties of mixtures of some n-alkoxyethanols with organic solvents II. V _m E and C _{p,m} E with di-n-butylether at 298.15 K. <i>Journal of Chemical Thermodynamics</i> , 1987 , 19, 791-796	2.9	52
158	Thermodynamics of (1-alkanol + linear monoether) systems. <i>Journal of Chemical Thermodynamics</i> , 2008 , 40, 1495-1508	2.9	51
157	Excess properties of mixtures of some n-alkoxyethanols with organic solvents. <i>Thermochimica Acta</i> , 1988 , 131, 73-78	2.9	49
156	Thermodynamics of organic mixtures containing amines. IV. Systems with aniline. <i>Canadian Journal of Chemistry</i> , 2005 , 83, 1812-1825	0.9	46

155	DISQUAC predictions of phase equilibria, molar and standard partial molar excess quantities for 1-alkanol+cyclohexane mixtures. <i>Journal of Solution Chemistry</i> , 1994 , 23, 399-420	1.8	46
154	Calorimetric and phase equilibrium data for linear carbonates + hydrocarbons or + CCl ₄ mixtures. Comparison with disquac predictions. <i>Thermochimica Acta</i> , 1993 , 217, 57-69	2.9	45
153	Thermodynamics of mixtures with strongly negative deviations from Raoult's law. Part 3. Application of the DISQUAC model to mixtures of triethylamine with alkanols. Comparison with Dortmund UNIFAC and ERAS results. <i>Canadian Journal of Chemistry</i> , 2000 , 78, 1272-1284	0.9	44
152	Thermodynamics of 1-alkanol + cyclic ether mixtures. <i>Fluid Phase Equilibria</i> , 2006 , 245, 168-184	2.5	43
151	Thermodynamics of mixtures containing alkoxyethanols: Part XVII ? ERAS characterization of alkoxyethanol + alkane systems. <i>Canadian Journal of Chemistry</i> , 2003 , 81, 319-329	0.9	43
150	Thermodynamic Properties of N-Alkoxyethanols + Organic Solvent Mixtures. X. Liquid-Liquid Equilibria of Systems Containing 2-Methoxyethanol, 2-(2-Methoxyethoxy)ethanol or 2-(2-Ethoxyethoxy)ethanol, and Selected Alkanes. <i>Journal of Chemical & Engineering Data</i> , 1998 , 43, 1000-1005	2.8	43
149	Thermodynamics of mixtures with strongly negative deviations from Raoult's law. Part 3. Application of the DISQUAC model to mixtures of triethylamine with alkanols. Comparison with Dortmund UNIFAC and ERAS results. <i>Canadian Journal of Chemistry</i> , 2000 , 78, 1272-1284	0.9	42
148	Thermodynamics of Ketone + Amine Mixtures. I. Volumetric and Speed of Sound Data at (293.15, 298.15, and 303.15) K for 2-Propanone + Aniline, + N-Methylaniline, or + Pyridine Systems. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 2505-2511	2.8	41
147	Thermodynamics of mixtures with strongly negative deviations from Raoult's law. <i>Fluid Phase Equilibria</i> , 2001 , 190, 113-125	2.5	41
146	Dielectric and refractive index measurements for the systems 1-pentanol + octane, or + dibutyl ether or for dibutyl ether + octane at different temperatures. <i>Thermochimica Acta</i> , 2012 , 543, 246-253	2.9	40
145	Excess properties of mixtures of some n-alkoxyethanols with organic solvents. V. Excess enthalpies of 2-butoxyethanol with normal alkanes at 298.15 K. <i>Canadian Journal of Chemistry</i> , 1988 , 66, 2618-2620	0.9	40
144	Excess molar volumes of 1-alcohol + aliphatic monoethers at 298.15 K. <i>Fluid Phase Equilibria</i> , 1995 , 110, 361-367	2.5	39
143	Excess properties of mixtures of some n-alkoxyethanols with organic solvents I. HmE with di-n-butylether at 298.15 K. <i>Journal of Chemical Thermodynamics</i> , 1987 , 19, 751-755	2.9	39
142	Thermodynamics of Ketone + Amine Mixtures. Part III. Volumetric and Speed of Sound Data at (293.15, 298.15, and 303.15) K for 2-Butanone + Aniline, +N-Methylaniline, or + Pyridine Systems. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 5400-5405	2.8	37
141	Thermodynamic Properties of n-Alkoxyethanols + Organic Solvent Mixtures. XI. Total Vapor Pressure Measurements for n-Hexane, Cyclohexane or n-Heptane + 2-Ethoxyethanol at 303.15 and 323.15 K. <i>Journal of Chemical & Engineering Data</i> , 2000 , 45, 699-703	2.8	37
140	Thermodynamics of Mixtures Containing Alkoxyethanols. XXIV. Densities, Excess Molar Volumes, and Speeds of Sound at (293.15, 298.15, and 303.15) K and Isothermal Compressibilities at 298.15 K for 2-(2-Alkoxyethoxy)ethanol + 1-Butanol Systems. <i>Journal of Chemical & Engineering Data</i> , 2000 , 45, 550-555	2.8	36
139	Thermodynamic Properties of n-Alkoxyethanols + Organic Solvent Mixtures. XIV. Liquid-Liquid Equilibria of Systems Containing 2-(2-Ethoxyethoxy)ethanol and Selected Alkanes. <i>Journal of Chemical & Engineering Data</i> , 2000 , 45, 1036-1039	2.8	36
138	Proximity effects and cyclization in oxaalkanes+CCl ₄ mixtures DISQUAC characterization of the ClD interactions. Comparison with Dortmund UNIFAC results. <i>Fluid Phase Equilibria</i> , 1999 , 154, 11-31	2.5	36

137	Excess enthalpies of (n-alkanol + 2,5-dioxahexane) at 298.15 K. <i>Journal of Chemical Thermodynamics</i> , 1984 , 16, 861-864	2.9	36
136	Thermodynamics of mixtures with strongly negative deviations from Raoult's law. XI. Densities, viscosities and refractive indices at (293.15±03.15) K for cyclohexylamine+1-propanol, or +1-butanol systems. <i>Journal of Molecular Liquids</i> , 2012 , 172, 26-33	6	35
135	Thermodynamics of mixtures containing alkoxyethanols. Part XXV. Densities, excess molar volumes and speeds of sound at 293.15, 298.15 and 303.15 K, and isothermal compressibilities at 298.15 K for 2-alkoxyethanol+1-butanol systems. <i>Journal of Molecular Liquids</i> , 2008 , 140, 87-100	6	35
134	Thermodynamics of organic mixtures containing amines. <i>Thermochimica Acta</i> , 2006 , 441, 53-68	2.9	35
133	Excess Molar Volumes of Binary Mixtures of 1-Heptanol or 1-Nonanol with n-Polyethers at 25°C. <i>Journal of Solution Chemistry</i> , 2000 , 29, 743-756	1.8	35
132	Thermodynamic properties of n-alkoxyethanols+organic solvents mixtures: VIII. Liquid-Liquid equilibria of systems containing 2-methoxyethanol and alkanes (C_6H_{12} and $CH_3(CH_2)_uCH_3$, $u=3,4,6,8$). <i>Fluid Phase Equilibria</i> , 1998 , 143, 111-123	2.5	34
131	Thermodynamic properties of (n-alkoxyethanols + organic solvents). XII. Total vapour pressure measurements for (n-hexane,n-heptane or cyclohexane + 2-methoxyethanol) at different temperatures. <i>Journal of Chemical Thermodynamics</i> , 2001 , 33, 47-59	2.9	34
130	Thermodynamic Properties of n-Alkoxyethanols + Organic Solvent Mixtures. IX. Liquid-Liquid Equilibria of Systems Containing 2-Methoxyethanol or 2-Ethoxyethanol and Selected n-Alkanes. <i>Journal of Chemical & Engineering Data</i> , 1998 , 43, 811-814	2.8	33
129	Excess molar volumes of diethyl carbonate with hydrocarbons or tetrachloromethane at 25°C. <i>Journal of Solution Chemistry</i> , 1995 , 24, 827-835	1.8	33
128	Thermodynamics of binary mixtures containing organic carbonates. <i>Fluid Phase Equilibria</i> , 1991 , 68, 151-161	1.8	33
127	Prediction of vapour-liquid and liquid-liquid equilibria and of enthalpies of mixing in linear carbonates + n-alkane or + cyclohexane mixtures using DISQUAC. <i>Fluid Phase Equilibria</i> , 1991 , 64, 1-11	2.5	33
126	Thermodynamics of binary mixtures containing organic carbonates. 3. Isothermal vapor-liquid equilibria for diethyl carbonate + cyclohexane, + benzene, or + tetrachloromethane. <i>Journal of Chemical & Engineering Data</i> , 1989 , 34, 443-445	2.8	33
125	Excess molar volumes of methanol or ethanol + n-polyethers at 298.15 K. <i>Canadian Journal of Chemistry</i> , 1999 , 77, 1608-1616	0.9	32
124	Excess properties of mixtures of some n-alkoxyethanols with organic solvents. <i>Thermochimica Acta</i> , 1989 , 137, 241-246	2.9	32
123	Excess enthalpies of (3,6,9-trioxaundecane + an n-alkan-1-ol) at 298.15 K. <i>Journal of Chemical Thermodynamics</i> , 1990 , 22, 383-386	2.9	32
122	Excess molar volumes of 1-propanol + n-polyethers at 298.15 K. <i>Fluid Phase Equilibria</i> , 1997 , 133, 187-192	2.5	31
121	Disquac application to SLE of binary mixtures containing long chain 1-alkanols (1-tetradecanol, 1-hexadecanol, 1-octadecanol, or 1-eicosanol) and N-alkanes (C_{8-16}). <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1994 , 98, 955-959	31	31
120	Characterization of the alkanol/alkanol contacts and prediction of excess functions of ternary systems of two n-alkan-1-ols and one n-alkane using DISQUAC. <i>Fluid Phase Equilibria</i> , 1992 , 78, 61-80	2.5	31

119	Excess enthalpies of some cellosolves with 1-butanol at 298.15 K. <i>Fluid Phase Equilibria</i> , 1985 , 20, 155-160	2.5	31
118	Thermodynamics of Mixtures Containing a Strongly Polar Compound. 8. Liquid-Liquid Equilibria for N,N-Dialkylamide + Selected N-Alkanes. <i>Journal of Chemical & Engineering Data</i> , 2006 , 51, 623-627	2.8	30
117	Thermodynamics of binary mixtures containing N-alkylamides. <i>Journal of Molecular Liquids</i> , 2004 , 115, 93-103	6	30
116	Thermodynamics of organic mixtures containing amines. <i>Fluid Phase Equilibria</i> , 2002 , 202, 345-358	2.5	30
115	Thermodynamics of organic mixtures containing amines - III: Molar Excess Volumes at 298.15 K for Tripropylamine + n-Alkane Systems - Application of the Flory Theory to N,N,N-Trialkylamine + n-Alkane Mixtures. <i>Physics and Chemistry of Liquids</i> , 2003 , 41, 309-321	1.5	30
114	Thermodynamics of Mixtures with Strongly Negative Deviations from Raoult's Law. VII. Excess Molar Volumes at 25°C for 1-Alkanol + N-Methylbutylamine Systems Characterization in Terms of the ERAS Model. <i>Journal of Solution Chemistry</i> , 2003 , 32, 179-194	1.8	29
113	Thermodynamics of mixtures containing alkoxyethanols. Part XX. Densities, excess molar volumes, speeds of sound and isothermal compressibilities for 2-alkoxyethanol+dibutylether systems at 293.15, 298.15 and 303.15 K. <i>Journal of Molecular Liquids</i> , 2006 , 129, 155-163	6	28
112	Thermodynamic properties of n-alkoxyethanols+organic solvent mixtures: XIII. Application of the Flory theory to 2-methoxyethanol+n-alkoxyethanols systems. <i>Thermochimica Acta</i> , 2000 , 362, 89-97	2.9	28
111	Thermodynamics of 1-alkanol+linear polyether mixtures. <i>Journal of Chemical Thermodynamics</i> , 2013 , 59, 195-208	2.9	26
110	Excess heat capacities of 1-butanol + toluene from 298 to 368 K. <i>Fluid Phase Equilibria</i> , 1991 , 69, 223-233	2.5	26
109	Prediction of excess functions of some ternary organic mixtures containing ethanol with a group contribution model. <i>Thermochimica Acta</i> , 1990 , 171, 153-167	2.9	26
108	Thermodynamics of mixtures containing amines. XI. Liquid + liquid equilibria and molar excess enthalpies at 298.15 K for N-methylaniline + hydrocarbon systems. Characterization in terms of DISQUAC and ERAS models. <i>Journal of Chemical Thermodynamics</i> , 2013 , 56, 89-98	2.9	25
107	Thermodynamics of ketone+amine mixtures 7. Volumetric and speed of sound data at (293.15, 298.15 and 303.15) K for 2-pentanone+aniline, +N-methylaniline, or +pyridine systems. <i>Journal of Molecular Liquids</i> , 2011 , 160, 180-186	6	25
106	Densities, Excess Molar Volumes, Speeds of Sound at (293.15, 298.15, and 303.15) K and Isentropic Compressibilities at 298.15 K for 1-Butanol, 1-Pentanol, or 1-Hexanol + Dibutylether Systems. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 857-862	2.8	25
105	Thermodynamics of Mixtures Containing Alkoxyethanols. XXI. Application of the Flory Theory to the Study of Orientational Effects in Systems with Dibutyl Ether or 1-Butanol. <i>Industrial & Engineering Chemistry Research</i> , 2007 , 46, 1350-1359	3.9	25
104	Thermodynamics of mixtures with strongly negative deviations from Raoult's law: Part 9. Vapor-Liquid equilibria for the system 1-propanol + di-n-propylamine at six temperatures between 293.15 and 318.15 K. <i>Fluid Phase Equilibria</i> , 2005 , 231, 211-220	2.5	25
103	Thermodynamics of Mixtures Containing Alkoxyethanols. Part XXVI. Densities, Excess Molar Volumes, Speeds of Sound at (293.15, 298.15, and 303.15) K, and Isentropic or Isothermal Compressibilities at 298.15 K for 2-Methoxyethanol + Alkoxyethanol or 2-Propoxyethanol + Dibutylether Systems. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 1404-1410	2.8	24
102	Application of disquac to binary liquid organic mixtures containing 1-alkanols and CCl4. <i>Thermochimica Acta</i> , 1994 , 237, 261-275	2.9	24

101	Thermodynamics of mixtures with strongly negative deviations from Raoult's law Part 2. Application of the DISQUAC model to mixtures of CHCl ₃ or CH ₂ Cl ₂ with oxaalkanes. Comparison with Dortmund UNIFAC results. <i>Physical Chemistry Chemical Physics</i> , 1999 , 1, 275-283	3.6	23
100	Prediction of liquid-liquid equilibria and of enthalpies of mixing in alkanoic acid anhydride + n-alkane mixtures using DISQUAC. <i>Fluid Phase Equilibria</i> , 1991 , 69, 91-98	2.5	23
99	Thermodynamics of binary mixtures containing organic carbonates. 2. Isothermal vapor-liquid equilibria for dimethyl carbonate + cyclohexane + benzene, or + tetrachloromethane. <i>Journal of Chemical & Engineering Data</i> , 1989 , 34, 73-76	2.8	23
98	Thermodynamics of ketone + amine mixtures Part IV. Volumetric and speed of sound data at (293.15; 298.15 and 303.15 K) for 2-butanone +dipropylamine, +dibutylamine or +triethylamine systems. <i>Thermochimica Acta</i> , 2011 , 512, 86-92	2.9	22
97	Thermodynamics of ketone+amine mixtures. <i>Journal of Molecular Liquids</i> , 2010 , 155, 109-114	6	22
96	Thermodynamics of Organic Mixtures Containing Amines. II. Excess Molar Volumes at 25°C for Methylbutylamine + Alkane Systems and Eras Characterization of Linear Secondary Amine + Alkane Mixtures. <i>Journal of Solution Chemistry</i> , 2002 , 31, 1019-1038	1.8	22
95	Application of a purely physical model (DISQUAC) to binary mixtures of phenol and organic solvents. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1996 , 100, 1746-1751		22
94	Thermodynamics of branched alcohols I. Extension of DISQUAC to tert-alcohols-n-alkanes or tert-alcohols-cyclohexane mixtures. <i>Fluid Phase Equilibria</i> , 1996 , 119, 81-96	2.5	22
93	Solid-liquid equilibria using DISQUAC: Prediction for 1-alkanol + n-alkane systems. <i>Fluid Phase Equilibria</i> , 1994 , 94, 167-179	2.5	22
92	Thermodynamics of mixtures with strongly negative deviations from Raoult law. XII. Densities, viscosities and refractive indices at T=(293.15 to 303.15)K for (1-heptanol, or 1-decanol+cyclohexylamine) systems. Application of the ERAS model to (1-heptanol+cyclohexylamine) systems. <i>Journal of Chemical Thermodynamics</i> , 2015 , 80, 161-171	2.9	21
91	Thermodynamics of mixtures containing amines. IX. Application of the concentration-concentration structure factor to the study of binary mixtures containing pyridines. <i>Thermochimica Acta</i> , 2009 , 494, 54-64	2.9	21
90	Thermodynamics of (ketone+amine) mixtures. Part VI. Volumetric and speed of sound data at (293.15, 298.15, and 303.15)K for (2-heptanone+dipropylamine, +dibutylamine, or +triethylamine) systems. <i>Journal of Chemical Thermodynamics</i> , 2011 , 43, 1506-1514	2.9	21
89	Liquid-Liquid Equilibria for Acetic Anhydride + Selected Alkanes. <i>Journal of Chemical & Engineering Data</i> , 2002 , 47, 950-953	2.8	21
88	disquac analysis of binary liquid organic mixtures containing cyclic or linear alkanols and cycloalkanes or n-alkanes. <i>Thermochimica Acta</i> , 1996 , 278, 57-69	2.9	21
87	Steric and inductive effects in binary mixtures of organic carbonates with aromatic hydrocarbons or tetrachloromethane. <i>Fluid Phase Equilibria</i> , 1991 , 69, 81-89	2.5	21
86	Dielectric and refractive index measurements for the systems 1-pentanol + 2,5,8,11,14-pentaoxapentadecane, or for 2,5,8,11,14-pentaoxapentadecane + octane at (293.15±03.15) K. <i>Thermochimica Acta</i> , 2013 , 551, 70-77	2.9	20
85	Thermodynamics of Organic Mixtures Containing Amines. VII. Study of Systems Containing Pyridines in Terms of the Kirkwood-Buff Formalism. <i>Industrial & Engineering Chemistry Research</i> , 2008 , 47, 1729-1737	3.9	20
84	Excess molar volumes of (n-nonan-1-ol + n-decane or n-tetradecane) at the temperatures 298.15 K, 308.15 K, and 318.15 K. <i>Journal of Chemical Thermodynamics</i> , 1992 , 24, 23-27	2.9	20

83	Temperature dependence of excess properties in alcohols+ethers mixtures.. <i>Thermochimica Acta</i> , 2000 , 362, 169-177	2.9	19
82	Thermodynamics of mixtures containing ethers. Part I. DISQUAC characterization of systems of MTBE, TAME or ETBE with n-alkanes, cyclohexane, benzene, alkan-1-ols or alkan-2-ols. Comparison with Dortmund UNIFAC results. <i>Physical Chemistry Chemical Physics</i> , 2000 , 2, 2587-2597	3.6	19
81	Thermodynamics of mixtures containing oxaalkanes. 5. Ether+benzene, or +toluene systems. <i>Fluid Phase Equilibria</i> , 2011 , 301, 145-155	2.5	18
80	Application of the Flory Theory and of the Kirkwood-Buff Formalism to the Study of Orientational Effects in 1-Alkanol + Linear or Cyclic Monoether Mixtures. <i>Industrial & Engineering Chemistry Research</i> , 2009 , 48, 7417-7429	3.9	18
79	Thermodynamics of mixtures containing amines: VI. Liquid-Liquid equilibria for mixtures of o-toluidine + selected alkanes. <i>Fluid Phase Equilibria</i> , 2007 , 259, 39-44	2.5	18
78	Thermodynamics of Mixtures Containing Aromatic Alcohols. 1. Liquid-Liquid Equilibria for (Phenylmethanol + Alkane) Systems. <i>Journal of Chemical & Engineering Data</i> , 2012 , 57, 1186-1191	2.8	17
77	Thermodynamics of mixtures containing a very strongly polar compound: IV Application of the DISQUAC, UNIFAC and ERAS models to DMSO+ organic solvent systems. <i>Physics and Chemistry of Liquids</i> , 2003 , 41, 583-597	1.5	17
76	Prediction of excess enthalpies of some ternary systems involving a binary mixture with a miscibility gap using a group contribution model. <i>Thermochimica Acta</i> , 1991 , 189, 115-127	2.9	17
75	Thermodynamics of binary mixtures of alkanone-chloroalkane: I. Heat of mixing of n-alkanone-1-chlorohexadecane mixtures at 298.15 k. <i>Thermochimica Acta</i> , 1988 , 128, 209-214	2.9	17
74	Orientational Effects and Random Mixing in 1-Alkanol + Alkanone Mixtures. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 10317-10328	3.9	16
73	DISQUAC behaviour close to critical points application to methanol + alkane mixtures. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1997 , 101, 219-227		16
72	Thermodynamics of mixtures containing alkoxyethanols: Part XIX. Systems with linear monoethers or 1-alkanols. <i>Journal of Molecular Liquids</i> , 2006 , 126, 99-110	6	16
71	Molar excess enthalpies for some systems containing the OH and (or) O groups in the same or in different molecules. <i>Canadian Journal of Chemistry</i> , 2002 , 80, 292-301	0.9	16
70	DISQUAC predictions on thermodynamic properties of ternary and higher multicomponent mixtures. <i>Thermochimica Acta</i> , 1999 , 326, 53-67	2.9	16
69	DISQUAC predictions on VLE and HE for ternary mixtures containing 1-alkanols and hydrocarbons. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1994 , 98, 106-112		16
68	Thermodynamics of mixtures with strong negative deviations from Raoult's law. XIII. Relative permittivities for (1-alkanol + cyclohexylamine) systems, and dielectric study of (1-alkanol + polar) compound (amine, amide or ether) mixtures. <i>Journal of Chemical Thermodynamics</i> , 2015 , 91, 267-278	2.9	15
67	Thermodynamics of Mixtures Containing Amines. XV. Liquid-Liquid Equilibria for Benzylamine + CH ₃ (CH ₂) _n CH ₃ (n = 8, 9, 10, 12, 14). <i>Journal of Chemical & Engineering Data</i> , 2014 , 59, 2101-2105	2.8	15
66	Thermodynamics of mixtures containing amines. XIV. of benzylamine with heptane at 293.15K or with methanol, 1-propanol or 1-pentanol at 293.15±0.15K. <i>Thermochimica Acta</i> , 2014 , 586, 75-79	2.9	15

65	DISQUAC Predictions on Thermodynamic Properties of Ternary and Higher Multicomponent Mixtures. 3. Results for HEof Ternary Mixtures Containing One Alcohol, One Polar Compound, and One Hydrocarbon or Two Alcohols and One Hydrocarbon or a Polar Compound, or Three Alkanols. <i>Industrial & Engineering Chemistry Research</i> , 2004 , 43, 7622-7634	3.9	15
64	Thermodynamics of mixtures containing linear monocarboxylic acids. I. DISQUAC predictions on molar excess Gibbs energies, molar excess enthalpies and solid-liquid equilibria for mixtures of linear monocarboxylic acids with organic solvents. <i>Fluid Phase Equilibria</i> , 1994 , 99, 19-33	2.5	15
63	Excess enthalpies of (butyric anhydride + n-alkane) at 298.15 K. <i>Journal of Chemical Thermodynamics</i> , 1988 , 20, 1097-1100	2.9	15
62	Molar excess enthalpies at T=298.15K for (1-alkanol+dibutylether) systems. <i>Journal of Chemical Thermodynamics</i> , 2010 , 42, 17-22	2.9	14
61	Thermodynamics of mixtures containing amines: VII. Systems containing dimethyl or trimethylpyridines. <i>Thermochimica Acta</i> , 2008 , 467, 30-43	2.9	14
60	Thermodynamics of mixtures containing amines: XIII. Application of the ERAS model to cyclic amine+alkane mixtures. <i>Thermochimica Acta</i> , 2013 , 573, 229-236	2.9	13
59	Thermodynamics of ketone+amine mixtures. Part X. Excess molar enthalpies at 298.15K for N,N,N-triethylamine+2-alkanone systems. Characterization of tertiary amine+2-alkanone, and of amino-ketone+n-alkane mixtures in terms of DISQUAC. <i>Fluid Phase Equilibria</i> , 2013 , 356, 117-125	2.5	13
58	Thermodynamics of alkanone+aromatic hydrocarbon mixtures. <i>Fluid Phase Equilibria</i> , 2013 , 337, 125-136.2.5	2.5	13
57	Liquid-Liquid equilibria for acetophenone+n-alkane mixtures and characterization of acetophenone systems using DISQUAC. <i>Fluid Phase Equilibria</i> , 2015 , 391, 39-48	2.5	13
56	Thermodynamics of Mixtures Containing Amines. XII. Volumetric and Speed of Sound Data at (293.15, 298.15, and 303.15) K for N-Methylaniline + Hydrocarbon Systems. <i>Journal of Chemical & Engineering Data</i> , 2013 , 58, 1697-1705	2.8	13
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54	Thermodynamics of ketone+amine mixtures. Part IX. Excess molar enthalpies at 298.15K for dipropylamine, or dibutylamine+2-alkanone systems and modeling of linear or aromatic amine+2-alkanone mixtures in terms of DISQUAC and ERAS. <i>Fluid Phase Equilibria</i> , 2013 , 343, 1-12	2.5	12
53	Thermodynamics of mixtures containing alkoxyethanols. XXVIII: Liquid-Liquid equilibria for 2-phenoxyethanol + selected alkanes. <i>Thermochimica Acta</i> , 2011 , 521, 107-111	2.9	12
52	Thermodynamic properties of n-alkoxyethanols+organic solvent mixtures. <i>Thermochimica Acta</i> , 2004 , 409, 169-175	2.9	12
51	Thermodynamics of 1-alkanol+linear alkanoate mixtures. <i>Physics and Chemistry of Liquids</i> , 2005 , 43, 175-194	2.9	12
50	Excess enthalpies of (heptanoic anhydride + n-alkane) at 298.15 K. <i>Journal of Chemical Thermodynamics</i> , 1988 , 20, 1457-1460	2.9	12
49	Thermodynamics of mixtures with strong negative deviations from raoult's law. XIV. density, permittivity, refractive index and viscosity data for the methanol + cyclohexylamine mixture at (293.15±03.15) K. <i>Thermochimica Acta</i> , 2016 , 631, 18-27	2.9	11
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43	DISQUAC structure-dependent interaction parameters for mixtures containing sec-alkanols and benzene, toluene, or n-alkanones. <i>Canadian Journal of Chemistry</i> , 1998 , 76, 1418-1428	0.9	11
42	Prediction of excess functions of some multicomponent organic mixtures of hydrocarbons with a group contribution model. <i>Thermochimica Acta</i> , 1990 , 168, 31-41	2.9	11
41	Thermodynamics of Mixtures Containing a Very Strongly Polar Compound. 10. Liquid-Liquid Equilibria for N,N-Dimethylacetamide + Selected Alkanes. <i>Journal of Chemical & Engineering Data</i> , 2013 , 58, 2339-2344	2.8	10
40	Liquid-Liquid equilibria for benzaldehyde+n-alkane mixtures and characterization of benzaldehyde+hydrocarbon systems in terms of DISQUAC. <i>Fluid Phase Equilibria</i> , 2014 , 366, 61-68	2.5	10
39	Excess molar volumes of 1-nonanol withn-heptane at 25, 35 and 45°C1. <i>Journal of Solution Chemistry</i> , 1992 , 21, 425-431	1.8	10
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37	Thermodynamics of mixtures containing oxaalkanes. 6. Random mixing in ether+benzene, or +toluene systems. <i>Thermochimica Acta</i> , 2011 , 514, 1-9	2.9	9
36	DISQUAC characterization of mixtures containing alkynes and alkanes or 1-alkanols. Comparison with ERAS model. <i>Thermochimica Acta</i> , 2002 , 381, 103-117	2.9	9
35	Orientational Effects and Random Mixing in 1-Alkanol + Nitrile Mixtures. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 550-559	3.9	8
34	Excess molar volumes at 298.15 K of binary liquid organic mixtures containing n-alkanones and linear ethers. <i>Fluid Phase Equilibria</i> , 2002 , 202, 13-27	2.5	8
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32	DISQUAC characterization of the carbonyl-Oxygen interactions in binary liquid organic mixtures containing linear molecules: ketones and a monoether, diether, or triether. <i>Canadian Journal of Chemistry</i> , 1996 , 74, 1815-1823	0.9	8
31	Excess properties of (an n-alkoxyethanol + an organic solvent) VI. VEm{xCH3(CH2)-1O(CH2)2O(CH2)2OH + (1 - x)C6H5CH3} for v = 1, 2, and 4 at the temperature 298.15 K. <i>Journal of Chemical Thermodynamics</i> , 1994 , 26, 791-795	2.9	8
30	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	2.8	7

29	Thermodynamics of mixtures containing amines. XVI. of 1-butanol, 1-octanol or 1-decanol+benzylamine systems at (298.15, 308.15, 318.15 and 333.15)K. <i>Thermochimica Acta</i> , 2015 , 600, 110-115	2.9	7
28	Thermodynamics of mixtures containing linear monocarboxylic acids II. Binary systems showing cross-association between components: DISQUAC characterization of linear monocarboxylic acid + 1-alkanol, or + linear monocarboxylic acid mixtures. <i>Fluid Phase Equilibria</i> , 1997 , 135, 1-21	2.5	7
27	Thermodynamics of aromatic polar compound (alkanone, alkanal or alkanoate) + hydrocarbon mixtures. <i>Fluid Phase Equilibria</i> , 2016 , 421, 49-58	2.5	7
26	Thermodynamics of amide + amine mixtures. 3. Relative permittivities of N,N-dimethylformamide + N-propylpropan-1-amine, + N-butylbutan-1-amine, + butan-1-amine, or + hexan-1-amine systems at several temperatures. <i>Journal of Molecular Liquids</i> , 2017 , 238, 440-446	6	6
25	Application of the Kirkwood-Buff formalism to $\text{CH}_3(\text{CH}_2)_n\text{OH}$ +polyether mixtures for n=1, 2, 3. <i>Thermochimica Acta</i> , 2011 , 525, 103-113	2.9	6
24	Thermodynamics of Ketone + Amine Mixtures Part V. Volumetric and Speed of Sound Data at (293.15, 298.15 and 303.15) K for Mixtures of 2-Heptanone with Aniline, N-Methylaniline or Pyridine. <i>Journal of Solution Chemistry</i> , 2011 , 40, 2057-2071	1.8	6
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21	Excess properties of mixtures of some n-alkoxyethanols with organic solvents. Part 7. VE with toluene at 298.15K. <i>Thermochimica Acta</i> , 1995 , 257, 103-110	2.9	6
20	Thermodynamics of Mixtures Containing Oxaalkanes. 7. Random Mixing in Ether + CCl_4 Systems. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 5108-5116	3.9	5
19	Thermodynamics of mixtures containing alkoxyethanols. Part xxiii. Speed of sound predictions and ultrasonic studies of hydroxyether + organic solvent mixtures. <i>Physics and Chemistry of Liquids</i> , 2008 , 46, 390-407	1.5	5
18	Thermodynamic properties of n-alkoxyethanols + organic solvent mixtures. <i>Thermochimica Acta</i> , 2003 , 403, 223-229	2.9	5
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16	Thermodynamics of mixtures containing the CO and OH groups. II. DISQUAC predictions on VLE and HE for ternary mixtures containing 1-alkanols, n-alkanones, and one organic solvent. <i>Canadian Journal of Chemistry</i> , 1997 , 75, 1424-1433	0.9	4
15	Thermodynamics of binary mixtures with strongly negative deviations from Raoult's Law. X. linear alkanoate + CHCl_3 or + 1,1,2,2-tetrachloroethane. <i>Physics and Chemistry of Liquids</i> , 2005 , 43, 317-332	1.5	4
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12	Excess molar volumes of (butanoic anhydride or heptanoic anhydride + n-alkane) at 298.15 K. <i>Journal of Chemical Thermodynamics</i> , 1989 , 21, 431-435	2.9	3

LIST OF PUBLICATIONS

11	Liquid-liquid equilibria for the systems 2-ethoxy-benzenamine + CH ₃ (CH ₂) _n CH ₃ (n = 6,8,10,12) and 4-ethoxy-benzenamine + CH ₃ (CH ₂) _n CH ₃ (n = 5,6). <i>Journal of Molecular Liquids</i> , 2019 , 274, 534-539	6	3
10	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	6	3
9	Thermodynamics of amide + amine mixtures. 5. Excess molar enthalpies of N,N-dimethylformamide or N,N-dimethylacetamide + N-propylpropan-1-amine, + N-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	2
8	Thermodynamics of (ketone + amine) mixtures. Part XI. Excess molar enthalpies at T = 298.15 K for the (1-propanol + N,N,N-triethylamine + 2-butanone) system. <i>Journal of Chemical Thermodynamics</i> , 2014 , 69, 6-11	2.9	2
7	Chapter 21: Correlation and Prediction of Excess Molar Enthalpies Using DISQUAC 2017 , 543-568		2
6	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. <i>Journal of Chemical Thermodynamics</i> , 2021 , 157, 106395	2.9	2
5	Thermodynamics of mixtures containing a fluorinated benzene and a hydrocarbon. <i>Journal of Molecular Liquids</i> , 2021 , 335, 116506	6	1
4	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 ± 0.15) K and Atmospheric Pressure: Application of the ERAS Model. <i>Journal of Solution Chemistry</i> , 2020 , 49, 332-352	1.8	0
3	Thermodynamics of amine mixtures. Systems formed by alkyl-amine and ether, or N,N-dialkylamide, or ethanenitrile. <i>Journal of Molecular Liquids</i> , 2020 , 306, 112907	6	
2	Thermodynamics of chlorobenzene, or bromobenzene, or 1-chloronaphthalene or 1,2,4-trichlorobenzene + alkane mixtures. <i>Journal of Molecular Liquids</i> , 2022 , 348, 118282	6	
1	Thermodynamics of mixtures containing amines. XVII. HmE and VmE. <i>Fluid Phase Equilibria</i> , 2022 , 558, 113460	2.5	