

Ivan Cibulka

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

92
papers

2,259
citations

23
h-index

44
g-index

95
ext. papers

2,336
ext. citations

3.5
avg, IF

5.06
L-index

#	Paper	IF	Citations
92	Computation and volumetric insight into (p,T) effect on aqueous guanidinium chloride. <i>Journal of Chemical Thermodynamics</i> , 2021 , 158, 106450	2.9	0
91	Partial Molar Volumes and Partial Molar Isentropic Compressions of Two Poly(ethylene glycol) Monoalkyl Ethers, C4E2 and C1E3, at Infinite Dilution in Water at Temperatures T = 278-343 K and Atmospheric Pressure. <i>Journal of Chemical & Engineering Data</i> , 2020 , 65, 3037-3043	2.8	
90	Partial molar volumes of organic solutes in water. XXX. Two poly(ethylene glycol) monoalkyl ethers, C4E2 and C1E3, at temperatures T = 298 K to 573 K and pressures up to 30 MPa. <i>Journal of Chemical Thermodynamics</i> , 2019 , 139, 105874	2.9	1
89	Partial molar volumes of organic solutes in water. XXIX. Four 2-alkoxyethanols at temperatures T = (298 K to 573) K and pressures up to 30 MPa. <i>Journal of Chemical Thermodynamics</i> , 2018 , 125, 240-249	2.9	2
88	Speed of Sound and Ultrasound Absorption in Ionic Liquids. <i>Chemical Reviews</i> , 2017 , 117, 3883-3929	68.1	49
87	Partial Molar Volumes and Partial Molar Isentropic Compressions of Four 2-Alkoxyethanols at Infinite Dilution in Water at Temperatures T = 278-343 K and Atmospheric Pressure. <i>Journal of Chemical & Engineering Data</i> , 2017 , 62, 2649-2658	2.8	6
86	Partial molar volumes of organic solutes in water. XXVIII. Three aliphatic poly(ethylene glycols) at temperatures T = 298 K to 573 K and pressures up to 30 MPa. <i>Journal of Chemical Thermodynamics</i> , 2017 , 109, 2-10	2.9	5
85	Partial molar volumes of organic solutes in water. XXVII. Two aliphatic polyethers (triglyme, tetraglyme) at temperatures T = 298-373 K and pressures up to 30 MPa. <i>Journal of Chemical Thermodynamics</i> , 2016 , 101, 78-83	2.9	5
84	Partial Molar Volumes and Partial Molar Isentropic Compressions of Four Poly(ethylene glycols) at Infinite Dilution in Water at Temperatures T = (278 to 343) K and Atmospheric Pressure. <i>Journal of Chemical & Engineering Data</i> , 2016 , 61, 748-759	2.8	14
83	Partial molar volumes of organic solutes in water. XXVI. 15-Crown-5 and 18-crown-6 ethers at temperatures (298 to 573)K and pressures up to 30MPa. <i>Journal of Chemical Thermodynamics</i> , 2015 , 80, 41-48	2.9	2
82	Partial Molar Volumes of L-Serine and L-Threonine in Aqueous Ammonium Sulfate Solutions at (278.15, 288.15, 298.15, and 308.15) K. <i>Journal of Solution Chemistry</i> , 2014 , 43, 283-297	1.8	20
81	Partial molar volumes of organic solutes in water. XXV. Branched aliphatic diols at temperatures (298 to 573)K and pressures up to 30MPa. <i>Journal of Chemical Thermodynamics</i> , 2014 , 71, 19-26	2.9	1
80	Partial Molar Volumes of Glycine and dl-Alanine in Aqueous Ammonium Sulfate Solutions at 278.15, 288.15, 298.15 and 308.15 K. <i>Journal of Solution Chemistry</i> , 2014 , 43, 972-988	1.8	14
79	Partial Molar Volumes and Partial Molar Isentropic Compressions of 15-Crown-5 and 18-Crown-6 Ethers at Infinite Dilution in Water at Temperatures T = (278 to 343) K and Atmospheric Pressure. <i>Journal of Chemical & Engineering Data</i> , 2014 , 59, 2075-2086	2.8	10
78	Partial Molar Volumes and Partial Molar Isentropic Compressions of Four Aliphatic Linear Polyethers at Infinite Dilution in Water at Temperatures T = (278 to 343) K and Atmospheric Pressure. <i>Journal of Chemical & Engineering Data</i> , 2014 , 59, 4205-4216	2.8	9
77	Partial Molar Volumes and Partial Molar Isentropic Compressions of Selected Branched Diols at Infinite Dilution in Water at Temperatures T = (278 to 318) K and Atmospheric Pressure. <i>Journal of Chemical & Engineering Data</i> , 2013 , 58, 2487-2495	2.8	1
76	Partial Molar Isentropic Compressions and Partial Molar Volumes of Isomeric Butanediols at Infinite Dilution in Water at Temperatures T = (278 to 318) K and Atmospheric Pressure. <i>Journal of Chemical & Engineering Data</i> , 2013 , 58, 388-397	2.8	8

75	Partial molar volumes of organic solutes in water. XXIV. Selected alkane-1,2-diols at temperatures T=298K to 573K and pressures up to 30MPa. <i>Journal of Chemical Thermodynamics</i> , 2013 , 64, 231-238	2.9	5
74	Partial Molar Volumes and Partial Molar Isentropic Compressions of Selected Alkane-1,2-diols at Infinite Dilution in Water at Temperatures T = (278 to 318) K and Atmospheric Pressure. <i>Journal of Chemical & Engineering Data</i> , 2013 , 58, 1724-1734	2.8	18
73	Partial Molar Isentropic Compressions of Selected Cyclic Ethers at Infinite Dilution in Water at Temperatures T = (278 to 318) K and Atmospheric Pressure. <i>Journal of Chemical & Engineering Data</i> , 2013 , 58, 1249-1254	2.8	5
72	Partial Molar Isentropic Compressions and Partial Molar Volumes of Selected Branched Aliphatic Alcohols at Infinite Dilution in Water at Temperatures From T = (278 to 318) K and Atmospheric Pressure. <i>Journal of Chemical & Engineering Data</i> , 2012 , 57, 1570-1580	2.8	23
71	Partial Molar Volumes and Partial Molar Isentropic Compressions of Three Polyhydric Alcohols Derived from Propane at Infinite Dilution in Water at Temperatures T = (278 to 318) K and Atmospheric Pressure. <i>Journal of Chemical & Engineering Data</i> , 2012 , 57, 1152-1159	2.8	21
70	Partial Molar Volumes of Selected Aliphatic Alcohols at Infinite Dilution in Water at Temperatures T = (278 to 573) K and Pressures up to 30 MPa. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 4564-4576	2.8	13
69	Partial Molar Volumes and Partial Molar Isentropic Compressions of ϵ -Butyrolactone and ϵ -Caprolactone at Infinite Dilution in Water at Temperatures (278.15 to 318.15) K and at Atmospheric Pressure. <i>Journal of Solution Chemistry</i> , 2011 , 40, 751-763	1.8	3
68	Group contribution method for standard molar volumes of aqueous aliphatic alcohols, ethers and ketones over extended ranges of temperature and pressure. <i>Journal of Chemical Thermodynamics</i> , 2011 , 43, 1215-1223	2.9	15
67	Partial molar volumes of organic solutes in water. XXIII. Cyclic ketones at T = (298 to 573) K and pressures up to 30 MPa. <i>Journal of Chemical Thermodynamics</i> , 2011 , 43, 1028-1035	2.9	7
66	Densities of Concentrated Alkaline Aluminate Solutions at Temperatures from (323 to 573) K and 10 MPa Pressure. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 1173-1178	2.8	8
65	Partial Molar Volumes of Cyclic Ketones at Infinite Dilution in Water at Temperatures T = (278 to 373) K and Low Pressure. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 5429-5434	2.8	5
64	Partial molar volumes of organic solutes in water. XX. Glycine(aq) and l-alanine(aq) at temperatures (298 to 443)K and at pressures up to 30MPa. <i>Journal of Chemical Thermodynamics</i> , 2010 , 42, 198-207	2.9	30
63	Partial molar volumes of organic solutes in water. XXI: Cyclic ethers at temperatures T = (278 to 373) K and at low pressure. <i>Journal of Chemical Thermodynamics</i> , 2010 , 42, 274-285	2.9	22
62	Partial molar volumes of organic solutes in water. XXII. Cyclic ethers at temperatures (298 to 573)K and pressures up to 30MPa. <i>Journal of Chemical Thermodynamics</i> , 2010 , 42, 502-512	2.9	20
61	Partial molar volumes of organic solutes in water. XIX. Cyclic alcohols(aq) at T = (298 to 573) K and at pressures up to 30 MPa. <i>Journal of Chemical Thermodynamics</i> , 2009 , 41, 489-498	2.9	10
60	Partial Molar Volumes of Cyclic Alcohols at Infinite Dilution in Water at Temperatures T = (298 to 373) K and Pressure of 0.5 MPa. <i>Journal of Chemical & Engineering Data</i> , 2009 , 54, 459-463	2.8	7
59	High-Pressure Volumetric Properties of Imidazolium-Based Ionic Liquids: Effect of the Anion. <i>Journal of Chemical & Engineering Data</i> , 2007 , 52, 2204-2211	2.8	211
58	Standard partial molar volumes in water of mono- and polyhydric aliphatic alcohols in wide ranges of temperature and pressure. <i>Journal of Molecular Liquids</i> , 2007 , 131-132, 206-215	6	17

57	Partial molar volumes of organic solutes in water. XVI. Selected aliphatic hydroxyderivatives(aq) at T=(298 to 573) K and at pressures up to 30 MPa. <i>Journal of Chemical Thermodynamics</i> , 2007 , 39, 833-840	2.9	14
56	Partial molar volumes of organic solutes in water. XVIII: Selected polyethers(aq) and 3,6-dioxa-1-heptanol(aq) at T=(298 to 573)K and at pressures up to 30MPa. <i>Journal of Chemical Thermodynamics</i> , 2007 , 39, 1292-1299	2.9	14
55	Partial molar volumes of organic solutes in water. XVII: 3-Pentanone(aq) and 2,4-pentanedione(aq) at T=(298 to 573)K and at pressures up to 30MPa. <i>Journal of Chemical Thermodynamics</i> , 2007 , 39, 1286-1291	2.9	7
54	Densities of NaOH(aq) at Temperatures from (323 to 573) K and 10 MPa Pressure. <i>Journal of Chemical & Engineering Data</i> , 2007 , 52, 2237-2244	2.8	9
53	Partial molar volumes of organic solutes in water. XIII. Butanols (aq) at temperatures T=298K to 573K and at pressures up to 30MPa. <i>Journal of Chemical Thermodynamics</i> , 2006 , 38, 418-426	2.9	30
52	Partial molar volumes of organic solutes in water. XV. Butanediols(aq) at temperatures from (298 K to 573 K) and at pressures up to 30 MPa. <i>Journal of Chemical Thermodynamics</i> , 2006 , 38, 1085-1091	2.9	18
51	Partial molar volumes of organic solutes in water. XIV. Polyhydric alcohols derived from ethane and propane at temperatures T = 298 K to T = 573 K and at pressures up to 30 MPa. <i>Journal of Chemical Thermodynamics</i> , 2006 , 38, 801-809	2.9	41
50	Partial Molar Volumes of Phenylacetic Acid and Several Polysubstituted Benzenes at Infinite Dilution in Water at Temperatures T = 298 to 373 K and at Pressures up to 30 MPa. <i>Journal of Solution Chemistry</i> , 2006 , 35, 1029-1036	1.8	
49	State Behavior Database for Pure Liquids and Data Correlation. <i>International Journal of Thermophysics</i> , 2004 , 25, 361-369	2.1	1
48	Group Contributions for an Estimation of Partial Molar Volumes at Infinite Dilution for Aqueous Organic Solutes at Extended Ranges of Temperature and Pressure. <i>International Journal of Thermophysics</i> , 2004 , 25, 387-395	2.1	10
47	An Automated Vibrating-Tube Densimeter for Measurements of Small Density Differences in Dilute Aqueous Solutions. <i>International Journal of Thermophysics</i> , 2004 , 25, 1135-1142	2.1	32
46	Partial molar volumes of organic solutes in water. XI. Phenylmethanol and 2-phenylethanol at T=(298 to 573) K and at pressures up to 30 MPa. <i>Journal of Chemical Thermodynamics</i> , 2004 , 36, 401-407	2.9	10
45	Speed of sound in liquid tetrachloromethane and benzene at temperatures from 283.15 K to 333.15 K and pressures up to 30 MPa. <i>Journal of Chemical Thermodynamics</i> , 2004 , 36, 659-664	2.9	9
44	Partial molar volumes of organic solutes in water. XII. Methanol(aq), ethanol(aq), 1-propanol(aq), and 2-propanol(aq) at T=(298 to 573) K and at pressures up to 30 MPa. <i>Journal of Chemical Thermodynamics</i> , 2004 , 36, 1095-1103	2.9	50
43	Speeds of Sound in Dense Liquid and Vapor Pressures for 1,1-Difluoroethane. <i>Journal of Chemical & Engineering Data</i> , 2004 , 49, 1652-1656	2.8	6
42	Speed of Sound in Binary Mixtures of Pentafluoroethane and 1,1-Difluoroethane from 243.15 K to 333.15 K and Pressures up to 30 MPa. <i>Journal of Chemical & Engineering Data</i> , 2004 , 49, 1657-1660	2.8	4
41	Partial molar volumes of organic solutes in water. X. Benzene and toluene at temperatures from (298 to 573) K and at pressures up to 30 MPa. <i>Journal of Chemical Thermodynamics</i> , 2003 , 35, 1905-1915	2.9	20
40	Partial molar volumes of organic solutes in water. IX. m-Aminophenol and benzonitrile at temperatures from 298 K to 573 K and o-cyanophenol at temperatures from 298 K to 498 K and at pressures up to 30 MPa. <i>Journal of Chemical Thermodynamics</i> , 2003 , 35, 1199-1212	2.9	10

39	Partial molar volumes of organic solutes in water. VIII. Nitrobenzene and nitrophenols at T=298 K to T=573 K and pressures up to 30 MPa. <i>Journal of Chemical Thermodynamics</i> , 2003 , 35, 1185-1197	2.9	11
38	Evaluation of Liquid PVT Data. <i>Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu</i> , 2003 , 13, 173-175	0	
37	Partial molar volumes of organic solutes in water. VII. o- and p-Aminobenzoic acids at T= 298 K to 498 K and o-diaminobenzene at T= 298 K to 573 K and pressures up to 30 MPa. <i>Journal of Chemical Thermodynamics</i> , 2002 , 34, 861-873	2.9	13
36	. <i>Journal of Chemical & Engineering Data</i> , 2002 , 47, 1037-1070	2.8	42
35	A simple method for evaluation of parameters of the Bender equation of state from experimental data. <i>Fluid Phase Equilibria</i> , 2001 , 180, 27-40	2.5	3
34	Partial molar volumes of organic solutes in water. VI. o-Chlorophenol and p-chlorophenol at temperatures from 298 K to 573 K and pressures up to 30 MPa. <i>Journal of Chemical Thermodynamics</i> , 2001 , 33, 1049-1057	2.9	22
33	PVT Data of Liquids: Summarization and Evaluation. 7. Selected Halogenated Hydrocarbons. <i>Journal of Chemical & Engineering Data</i> , 2001 , 46, 2-28	2.8	28
32	Parameters of the Bender Equation of State for Chloro Derivatives of Methane and Chlorobenzene. <i>Collection of Czechoslovak Chemical Communications</i> , 2001 , 66, 833-854		1
31	Partial molar volumes of organic solutes in water. III. Aniline at temperatures T= 298 K to T= 573 K and pressures up to 30 MPa. <i>Journal of Chemical Thermodynamics</i> , 2000 , 32, 1221-1227	2.9	20
30	Partial molar volumes of organic solutes in water. IV. Benzoic and hydroxybenzoic acids at temperatures from T= 298 K to T= 498 K and pressures up to 30 MPa. <i>Journal of Chemical Thermodynamics</i> , 2000 , 32, 1299-1310	2.9	21
29	Partial molar volumes of organic solutes in water. V. o-, m-, and p-toluidine at temperatures from 298 K to 573 K and pressures up to 30 MPa. <i>Journal of Chemical Thermodynamics</i> , 2000 , 32, 1657-1668	2.9	15
28	Partial molar volumes of organic solutes in water. II. Dihydroxybenzenes at temperatures T=(298 to 473) K and pressures up to 30 MPa. <i>Journal of Chemical Thermodynamics</i> , 1999 , 31, 27-42	2.9	24
27	PVT Data of Liquids: Summarization and Evaluation. 6. Nonaromatic Hydrocarbons (C _n , n ≤ 16) except n-Alkanes C ₅ to C ₁₆ . <i>Journal of Chemical & Engineering Data</i> , 1999 , 44, 1105-1128	2.8	27
26	PVT Data of Liquids: Summarization and Evaluation. 5. Aromatic Hydrocarbons. <i>Journal of Chemical & Engineering Data</i> , 1999 , 44, 411-429	2.8	68
25	Calculation of Orthobaric Densities from Equations of State. <i>Collection of Czechoslovak Chemical Communications</i> , 1999 , 64, 1087-1092		2
24	Partial molar volumes of organic solutes in water. I. O-, m-, and p-cresol at temperatures 298 K to 573 K. <i>Journal of Chemical Thermodynamics</i> , 1998 , 30, 557-569	2.9	26
23	PVT Data of Liquids: Summarization and Evaluation. 3. Ethers, Ketones, Aldehydes, Carboxylic Acids, and Esters. <i>Journal of Chemical & Engineering Data</i> , 1997 , 42, 2-26	2.8	23
22	PVT Data of Liquids: Summarization and Evaluation. 4. Higher 1-Alkanols (C ₁₁ , C ₁₂ , C ₁₄ , C ₁₆), Secondary, Tertiary, and Branched Alkanols, Cycloalkanols, Alkanediols, Alkanetriols, Ether Alkanols, and Aromatic Hydroxy Derivatives. <i>Journal of Chemical & Engineering Data</i> , 1997 , 42, 415-433	2.8	40

21	A new design of a vibrating-tube densimeter and partial molar volumes of phenol(aq) at temperatures from 298 K to 573 K. <i>Journal of Chemical Thermodynamics</i> , 1997 , 29, 1237-1252	2.9	77
20	Liquid Densities at Elevated Pressures of n-Alkanes from C5 to C16: A Critical Evaluation of Experimental Data. <i>Journal of Chemical & Engineering Data</i> , 1996 , 41, 657-668	2.8	140
19	Partial molar volumes of air-component gases in binary liquid mixtures with n-alkanes and 1-alkanols at 298.15 K. <i>Fluid Phase Equilibria</i> , 1995 , 107, 235-255	2.5	23
18	Partial molar volumes of air-component gases in several liquid n-alkanes and 1-alkanols at 313.15 K. <i>Fluid Phase Equilibria</i> , 1995 , 109, 227-234	2.5	7
17	Excess Volumes of 1,4-Dioxane + Ethane-1,2-diol at 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 1995 , 40, 974-975	2.8	3
16	Liquid Densities at Elevated Pressures of 1-Alkanols from C1 to C10: A Critical Evaluation of Experimental Data. <i>Journal of Chemical & Engineering Data</i> , 1994 , 39, 876-886	2.8	104
15	Saturated liquid densities of 1-alkanols from C1 to C10 and n-alkanes from C5 to C16: A critical evaluation of experimental data. <i>Fluid Phase Equilibria</i> , 1993 , 89, 1-18	2.5	165
14	Excess molar volumes of binary mixtures of acetic acid and propionic acid with some members of homologous series of alkanes. <i>Collection of Czechoslovak Chemical Communications</i> , 1991 , 56, 736-744		11
13	On a temperature dependence of the van der Waals volume parameter in cubic equations of state. <i>Fluid Phase Equilibria</i> , 1990 , 60, 327-332	2.5	7
12	A relation between excess volume and the form of the dependence of density on composition for binary liquid mixtures. <i>Collection of Czechoslovak Chemical Communications</i> , 1990 , 55, 1653-1659		4
11	Thermodynamics of associating component + saturated hydrocarbon mixtures at low pressuresIV. Correlation of vapour pressures and volumetric properties of some aliphatic amines and their mixtures with n-alkanes in terms of association. <i>Fluid Phase Equilibria</i> , 1988 , 39, 39-51	2.5	17
10	(Vapour + liquid) equilibria, limiting activity coefficients, and excess molar volumes of {1-bromo-1-chloro-2,2,2-trifluoroethane (halothane) + tetrachloromethane or trichloromethane or 1,1,1-trichloroethane}. <i>Journal of Chemical Thermodynamics</i> , 1987 , 19, 1145-1154	2.9	13
9	Thermodynamics of associating component + saturated hydrocarbon mixtures at low pressures. I. Description of saturated vapour pressures and liquid molar volumes of pure n-alcohols in terms of association. <i>Fluid Phase Equilibria</i> , 1987 , 35, 19-42	2.5	12
8	Thermodynamics of associating component + saturated hydrocarbon mixtures at low pressures. II. Extension of the model to correlate isothermal vapourliquid equilibria and volumetric properties of n-alcohol + n-alkane mixtures. <i>Fluid Phase Equilibria</i> , 1987 , 35, 43-63	2.5	10
7	Thermodynamics of associating component + saturated hydrocarbon mixtures at low pressures. III. Vapourliquid equilibria and volumetric properties of n-alcohol + cyclohexane mixtures. <i>Fluid Phase Equilibria</i> , 1987 , 35, 65-75	2.5	2
6	PVT properties of liquids and liquid mixtures: a review of the experimental methods and the literature data. <i>Fluid Phase Equilibria</i> , 1985 , 19, 33-149	2.5	42
5	Evaluation of the dependence of excess volume of the benzene-cyclohexane mixture on composition at 298.15 K from literature data. <i>Collection of Czechoslovak Chemical Communications</i> , 1983 , 48, 199-202		4
4	Estimation of excess volume and density of ternary liquid mixtures of non-electrolytes from binary data. <i>Collection of Czechoslovak Chemical Communications</i> , 1982 , 47, 1414-1419		319

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| 3 | A dilution dilatometer for measuring excess volumes. <i>Collection of Czechoslovak Chemical Communications</i> , 1981 , 46, 2774-2781 | 8 |
| 2 | Excess volume of the benzene-methanol-acetonitrile ternary mixture at temperatures of 25 and 40 °C and correlation of its concentration dependence. <i>Collection of Czechoslovak Chemical Communications</i> , 1980 , 45, 3241-3248 | 11 |
| 1 | Measurements of the excess volume of benzene-methanol, benzene-acetonitrile and methanol-acetonitrile mixtures by a vibrating-tube densimeter. <i>Collection of Czechoslovak Chemical Communications</i> , 1979 , 44, 295-306 | 20 |