Kvetoslav Ruzicka

List of Publications by Citations

138 papers	2,266 citations	27 h-index	39 g-index
144 ext. papers	2,615 ext. citations	3.3 avg, IF	5.1 L-index

#	Paper	IF	Citations
138	Simultaneous Treatment of Vapor Pressures and Related Thermal Data Between the Triple and Normal Boiling Temperatures for n-Alkanes C5□C20. *Journal of Physical and Chemical Reference Data*, **1994**, 23, 1-39	4.3	176
137	New Static Apparatus and Vapor Pressure of Reference Materials: Naphthalene, Benzoic Acid, Benzophenone, and Ferrocene. *Journal of Chemical & Engineering Data*, **2006**, 51, 757-766	2.8	139
136	Recommended Vapor Pressure of Solid Naphthalene. *Journal of Chemical & Engineering Data*, **2005**, 50, 1956-1970	2.8	80
135	High temperature enthalpy and heat capacity of GaN. *Thermochimica Acta*, **2003**, 401, 169-173	2.9	52
134	Description of vapour□liquid and vapour□solid equilibria for a group of polycondensed compounds of petroleum interest. *Fluid Phase Equilibria*, **1998**, 148, 107-137	2.5	50
133	Heat Capacities and Derived Thermodynamic Functions of 1-Hexanol, 1-Heptanol, 1-Octanol, and 1-Decanol between 5 K and 390 K. *Journal of Chemical & Engineering Data*, **2003**, 48, 1323-1331	2.8	42
132	Thermodynamic study of selected monoterpenes III. *Journal of Chemical Thermodynamics*, **2014**, 79, 280-289	2.9	41
131	Recommended vapor pressure and thermophysical data for ferrocene. *Journal of Chemical Thermodynamics*, **2013**, 57, 530-540	2.9	40
130	Heat Capacities of Tetracene and Pentacene. *Journal of Chemical & Engineering Data*, **2008**, 53, 2175-2181	2.8	40
129	Recommended vapor pressures for thiophene, sulfolane, and dimethyl sulfoxide. *Fluid Phase Equilibria*, **2011**, 303, 205-216	2.5	38
128	Vapor pressure of selected aliphatic alcohols by ebulliometry. Part 1. *Fluid Phase Equilibria*, **2010**, 298, 192-198	2.5	37
127	Heat capacities of alkanols. *Thermochimica Acta*, **2002**, 382, 119-128	2.9	37
126	Recommended vapour and sublimation pressures and related thermal data for chlorobenzenes. *Fluid Phase Equilibria*, **1999**, 157, 121-142	2.5	35
125	Thermodynamic Properties of Selected Homologous Series of Ionic Liquids Calculated Using Molecular Dynamics. *Journal of Physical Chemistry B*, **2016**, 120, 2362-71	3.4	33
124	Thermodynamic Properties of Molecular Crystals Calculated within the Quasi-Harmonic Approximation. *Journal of Physical Chemistry A*, **2016**, 120, 2022-34	2.8	33
123	Thermodynamic study of selected monoterpenes II. *Journal of Chemical Thermodynamics*, **2014**, 79, 272-279	2.9	32
122	Evaluation of Accuracy of Ideal-Gas Heat Capacity and Entropy Calculations by Density Functional Theory (DFT) for Rigid Molecules. *Journal of Chemical & Engineering Data*, **2012**, 57, 227-232	2.8	32

121	Vapor pressures for a group of high-boiling alkylbenzenes under environmental conditions. *Thermochimica Acta*, **1994**, 245, 121-144	2.9	32
120	State-of-the-Art Calculations of Sublimation Enthalpies for Selected Molecular Crystals and Their Computational Uncertainty. *Journal of Chemical Theory and Computation*, **2017**, 13, 2840-2850	6.4	31
119	Heat Capacities of Chloroanilines and Chloronitrobenzenes. *Journal of Chemical & Engineering Data*, **2007**, 52, 1375-1380	2.8	30
118	Vapor pressure of metal organic precursors. *Journal of Crystal Growth*, **2003**, 248, 99-107	1.6	30
117	CCSD(T)/CBS fragment-based calculations of lattice energy of molecular crystals. *Journal of Chemical Physics*, **2016**, 144, 064505	3.9	30
116	Vapor Pressure of Selected Organic Iodides. *Journal of Chemical & Engineering Data*, **2010**, 55, 4780-4784	2.8	29
115	Thermodynamic study of selected monoterpenes. *Journal of Chemical Thermodynamics*, **2013**, 60, 117-125	2.9	28
114	P□ Data of Liquids: Summarization and Evaluation. 7. Selected Halogenated Hydrocarbons. *Journal of Chemical & Engineering Data*, **2001**, 46, 2-28	2.8	28
113	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, □Valerolactone, and □Butyrolactone. *Journal of Chemical & Engineering Data*, **2017**, 62, 4174-4186	2.8	27
112	Reassembling and testing of a high-precision heat capacity drop calorimeter. Heat capacity of some polyphenyls at T= 298.15 K. *Journal of Chemical Thermodynamics*, **2011**, 43, 1818-1823	2.9	27
111	Heat capacity, enthalpy and entropy of strontium niobates Sr2Nb10O27 and Sr5Nb4O15. *Journal of Alloys and Compounds*, **2009**, 481, 35-39	5.7	26
110	Vapor pressures and thermal data for three high-boiling compounds of petroleum interest: 1-phenyldodecane, (5□)-cholestane, adamantane. *Fluid Phase Equilibria*, **2000**, 169, 191-207	2.5	26
109	Heat capacity, enthalpy and entropy of calcium niobates. *Journal of Thermal Analysis and Calorimetry*, **2009**, 95, 397-402	4.1	25
108	Thermodynamic properties of dimethyl phthalate along the (vapour + liquid) saturation curve. *Journal of Chemical Thermodynamics*, **1999**, 31, 971-986	2.9	25
107	Indirect Determination of Vapor Pressures by Capillary Gas□liquid Chromatography: Analysis of the Reference Vapor-Pressure Data and Their Treatment. *Journal of Chemical & Engineering Data*, **2012**, 57, 1349-1368	2.8	24
106	A similarity variable for estimating the heat capacity of solid organic compounds: Part II. Application: Heat capacity calculation for ill-defined organic solids. *Fluid Phase Equilibria*, **2008**, 268, 134-141	2.5	24
105	Phase behavior and heat capacities of the 1-benzyl-3-methylimidazolium ionic liquids. *Journal of Chemical Thermodynamics*, **2016**, 100, 124-130	2.9	23
104	Evaluation of Uncertainty of Ideal-Gas Entropy and Heat Capacity Calculations by Density Functional Theory (DFT) for Molecules Containing Symmetrical Internal Rotors. *Journal of Chemical & Engineering Data*, **2013**, 58, 1382-1390	2.8	22

103	Structure, non-stoichiometry and thermodynamic properties of Bi1.85Sr2Co1.85O7.7□ceramics. *Thermochimica Acta*, **2014**, 582, 40-45	2.9	22
102	Vapour pressure and heat capacities of metal organic precursors, Y(thd)3 and Zr(thd)4. *Journal of Crystal Growth*, **2004**, 264, 192-200	1.6	22
101	Polymorphism and thermophysical properties of L- and DL-menthol. *Journal of Chemical Thermodynamics*, **2019**, 131,	2.9	21
100	New Static Apparatus for Vapor Pressure Measurements: Reconciled Thermophysical Data for Benzophenone. *Journal of Chemical & Engineering Data*, **2016**, 61, 3627-3639	2.8	20
99	Vapour pressure measurement of metal organic precursors used for MOVPE. *Journal of Chemical Thermodynamics*, **2006**, 38, 312-322	2.9	20
98	Partial molar volumes of organic solutes in water. III. Aniline at temperaturesT= 298 K toT= 573 K and pressures up to 30 MPa. *Journal of Chemical Thermodynamics*, **2000**, 32, 1221-1227	2.9	20
97	Heat capacity, enthalpy and entropy of strontium niobate Sr2Nb2O7 and calcium niobate Ca2Nb2O7. *Thermochimica Acta*, **2008**, 475, 33-38	2.9	19
96	Vapor Pressures and Thermophysical Properties of Dimethyl Carbonate, Diethyl Carbonate, and Dipropyl Carbonate. *Journal of Chemical & Engineering Data*, **2017**, 62, 3206-3215	2.8	18
95	Vapor pressures and thermophysical properties of selected hexenols and recommended vapor pressure for hexan-1-ol. *Fluid Phase Equilibria*, **2015**, 402, 18-29	2.5	17
94	Vapor pressures and thermophysical properties of selected monoterpenoids. *Fluid Phase Equilibria*, **2015**, 406, 124-133	2.5	17
93	Vapour pressure of diethyl phthalate. *Journal of Chemical Thermodynamics*, **2004**, 36, 929-937	2.9	17
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91	Recommended sublimation pressure and enthalpy of benzene. *Journal of Chemical Thermodynamics* , **2014**, 68, 40-47	2.9	16
90	Solid-liquid equilibrium and heat capacity trend in the alkylimidazolium PF6 series. *Journal of Molecular Liquids*, **2017**, 248, 678-687	6	15
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88	Thermodynamic study of alkane-□diamines □Evidence of odd□even pattern of sublimation properties. *Fluid Phase Equilibria*, **2014**, 371, 93-105	2.5	15
87	Intramolecularly Coordinated Stannanechalcogenones: X-ray Structure of [2,6-(Me2NCH2)2C6H3](Ph)Sn?Te. *Organometallics*, **2011**, 30, 5904-5910	3.8	15
86	High temperature enthalpy, heat capacity and other thermodynamic functions of solid InN. *Journal of Physics and Chemistry of Solids*, **2004**, 65, 1127-1131	3.9	15

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73	Physical stability of hydroxypropyl methylcellulose-based amorphous solid dispersions: Experimental and computational study. *International Journal of Pharmaceutics*, **2020**, 589, 119845	6.5	12
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70	Vapor Pressure of Di-tert-butylsilane. *Journal of Chemical & Engineering Data*, **2005**, 50, 1613-1615	2.8	11
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68	Thermodynamic properties of stoichiometric lithium cobaltite LiCoO2. *Thermochimica Acta*, **2016**, 634, 26-30	2.9	10

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65	Recommended vapor pressures for aniline, nitromethane, 2-aminoethanol, and 1-methyl-2-pyrrolidone. *Fluid Phase Equilibria*, **2015**, 406, 34-46	2.5	9
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63	Vapor pressure, heat capacities, and phase transitions of tetrakis(tert-butoxy)hafnium. *Fluid Phase Equilibria*, **2011**, 311, 25-29	2.5	9
62	Heat Capacities in the Solid and in the Liquid Phase of Isomeric Pentanols. *Journal of Chemical & Engineering Data*, **2007**, 52, 794-802	2.8	9
61	Heat capacities of alkanols: III. Some 1-alkanols from C10 to C20. *Thermochimica Acta*, **2004**, 421, 35-41	2.9	9
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52	Thermodynamic study of selected monoterpenes IV. *Journal of Chemical Thermodynamics*, **2020**, 144, 106013	2.9	8
51	Calorimetric and FTIR study of selected aliphatic heptanols. *Fluid Phase Equilibria*, **2016**, 423, 43-54	2.5	7
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39	Heat capacities of alkanols. *Thermochimica Acta*, **2003**, 408, 45-53	2.9	5
38	Probing the Accuracy of First-Principles Modeling of Molecular Crystals: Calculation of Sublimation Pressures. *Crystal Growth and Design*, **2019**, 19, 808-820	3.5	5
37	Calorimetric and FTIR study of selected aliphatic octanols. *Journal of Thermal Analysis and Calorimetry*, **2018**, 134, 2157-2170	4.1	4
36	Vapor pressures of dimethylcadmium, trimethylbismuth, and tris(dimethylamino)antimony. *Fluid Phase Equilibria*, **2013**, 360, 106-110	2.5	4
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28	Chemical bonding and thermodynamic properties of gallium and indium monochalcogenides. *Journal of Chemical Thermodynamics*, **2019**, 128, 97-102	2.9	3
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25	Measurement of low-temperature heat capacity by relaxation technique: Calorimeter performance testing and heat capacity of benzo[b]fluoranthene, benzo[k]fluoranthene, and indeno[1,2,3-cd]pyrene. *Journal of Chemical Thermodynamics*, **2020**, 142, 105964	2.9	3
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21	Glucose-modified carbosilane dendrimers: Interaction with model membranes and human serum albumin. *International Journal of Pharmaceutics*, **2020**, 579, 119138	6.5	2
20	Vapor pressure and thermal properties of heavy oil distillation cuts. *Fuel*, **2016**, 181, 503-521	7.1	2
19	Calorimetric Determination of Heat Capacity, Entropy and Enthalpy of Mixed Oxides in the System CaO□SrO□Bi2O3□Nb2O5□Ta2O5 **2013**,		2
18	Enthalpy of Formation of Dibutyl Phthalate. *International Journal of Thermophysics*, **2004**, 25, 379-385	2.1	2
17	Vapor Pressure and Liquid Heat Capacity of Perhydroacenaphthylene and Perhydrophenanthrene. *Journal of Chemical & Engineering Data*, **2000**, 45, 1205-1210	2.8	2
16	Ball milling and hot-melt extrusion of indomethacin-L-arginine-vinylpyrrolidone-vinyl acetate copolymer: Solid-state properties and dissolution performance.. *International Journal of Pharmaceutics*, **2021**, 613, 121424	6.5	2
15	Vapor Pressures and Thermophysical Properties of Dimethoxymethane, 1,2-Dimethoxyethane, 2-Methoxyethanol, and 2-Ethoxyethanol: Data Reconciliation and Perturbed-Chain Statistical Associating Fluid Theory Modeling. *Journal of Chemical & Engineering Data*, **2021**, 66, 2640-2654	2.8	2
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7	Regression against Temperature of Gas−Liquid Chromatography Retention Factors. Van't Hoff Analysis. *Journal of Chemical & Engineering Data*, **2020**, 65, 3109-3120	2.8	0
6	Decay of hydrogen bonding in mixtures of aliphatic heptanols and bistriflimide ionic liquids. *Physical Chemistry Chemical Physics*, **2021**, 23, 26874-26886	3.6	0
5	Heat Capacities of l-Arginine, l-Aspartic Acid, l-Glutamic Acid, l-Glutamine, and l-Asparagine. *International Journal of Thermophysics*, **2021**, 42, 1	2.1	0
4	Vapor Pressures of (3-(Dimethylamino)propyl)dimethylindium, (tert-Butylimino)bis(diethylamino)cyclopentadienyltantalum, and (tert-Butylimino)tris(ethylmethylamino)tantalum. *Journal of Chemical & Engineering Data*, **2014**, 59, 4179-4183	2.8	
3	CHAPTER 17. Calculation of Thermodynamic Functions from Volumetric Properties **2014**, 476-492		
2	Establishing Consistent Thermodynamic Data on Vaporization Equilibria for Organic Compounds **1988**, 511-521		
1	Polymorphism of anhydrous oxalic acid unravelled. *Journal of Chemical Thermodynamics*, **2021**, 160, 106488	2.8	