

# Lubomir Hnedkovsky

## List of Publications by Year in descending order

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60  
papers

970  
citations

430874

18  
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477307

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61  
docs citations

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times ranked

485  
citing authors

#	ARTICLE	IF	CITATIONS
1	Liquid Densities at Elevated Pressures of n-Alkanes from C5 to C16: A Critical Evaluation of Experimental Data. <i>Journal of Chemical &amp; Engineering Data</i> , 1996, 41, 657-668.	1.9	155
2	Electrical Conductances of Aqueous Na <sub>2</sub> SO <sub>4</sub> , H <sub>2</sub> SO <sub>4</sub> , and Their Mixtures: Limiting Equivalent Ion Conductances, Dissociation Constants, and Speciation to 673 K and 28 MPa. <i>Journal of Physical Chemistry B</i> , 2005, 109, 9034-9046.	2.6	54
3	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.	2.0	52
4	P <sup>o</sup> Data of Liquids: Summarization and Evaluation. 4. Higher 1-Alkanols (C11, C12, C14, C16), Secondary, Tertiary, and Branched Alkanols, Cycloalkanols, Alkanediols, Alkanetriols, Ether Alkanols, and Aromatic Hydroxy Derivatives. <i>Journal of Chemical &amp; Engineering Data</i> , 1997, 42, 415-433.	1.9	47
5	Amino Acids under Hydrothermal Conditions: Apparent Molar Heat Capacities of Aqueous L-Alanine, D-Alanine, Glycine, and Proline at Temperatures from 298 to 500 K and Pressures up to 30.0 MPa. <i>Journal of Physical Chemistry B</i> , 2000, 104, 11781-11793.	2.6	43
6	Partial molar volumes of organic solutes in water. XIV. Polyhydric alcohols derived from ethane and propane at temperatures T=298K to T=573K and at pressures up to 30MPa. <i>Journal of Chemical Thermodynamics</i> , 2006, 38, 801-809.	2.0	42
7	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.	2.0	31
8	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 30 MPa. <i>Journal of Chemical Thermodynamics</i> , 2010, 42, 198-207.	2.0	31
9	Thermodynamics of aqueous acetic and propionic acids and their anions over a wide range of temperatures and pressures. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 2907-2917.	2.8	24
10	Partial Molar Volumes of l-Serine and l-Threonine in Aqueous Ammonium Sulfate Solutions at (278.15, ) Tj ETQq0 0 0 rgBT / Overlock 10 T	1.25	24
11	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.	2.0	23
12	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 &amp; Engineering Data</i> , 2012, 57, 1570-1580.	1.9	23
13	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.	2.0	22
14	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 &amp; Engineering Data</i> , 2012, 57, 1152-1159.	1.9	22
15	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.	2.0	21
16	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.	4.9	20
17	Predicting Cyanide Consumption in Gold Leaching: A Kinetic and Thermodynamic Modeling Approach. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 110.	2.0	20
18	Partial molar volumes of organic solutes in water. XV. Butanediols(aq) at temperatures from (298K to ) Tj ETQq0 0 0 rgBT / Overlock 10 T	2.0	18

#	ARTICLE	IF	CITATIONS
19	Partial Molar Volumes and Partial Molar Isentropic Compressions of Selected Alkane-1,2-diols at Infinite Dilution in Water at Temperatures $T = (278 \text{ to } 318) \text{ K}$ and Atmospheric Pressure. Journal of Chemical & Engineering Data, 2013, 58, 1724-1734.	1.9	18
20	Densities and Molar Volumes of Aqueous Solutions of $\text{LiClO}_4$ at Temperatures from 293 K to 343 K. Journal of Chemical & Engineering Data, 2016, 61, 1388-1394.	1.9	18
21	Group contribution method for standard molar volumes of aqueous aliphatic alcohols, ethers and ketones over extended ranges of temperature and pressure. Journal of Chemical Thermodynamics, 2011, 43, 1215-1223.	2.0	17
22	Partial molar volumes of organic solutes in water. <i>N</i> -, <i>m</i> -, and <i>p</i> -toluidine at temperatures from 298 K to 573 K and pressures up to 30 MPa. Journal of Chemical Thermodynamics, 2000, 32, 1657-1668.	2.0	16
23	(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}. Journal of Chemical Thermodynamics, 1987, 19, 1145-1154.	2.0	14
24	Partial molar volumes of organic solutes in water. XVIII: Selected polyethers(aq) and 3,6-dioxo-1-heptanol(aq) at $T = (298 \text{ to } 573) \text{ K}$ and at pressures up to 30 MPa. Journal of Chemical Thermodynamics, 2007, 39, 1292-1299.	2.0	14
25	Partial Molar Volumes of Selected Aliphatic Alcohols at Infinite Dilution in Water at Temperatures $T = (278 \text{ to } 573) \text{ K}$ and Pressures up to 30 MPa. Journal of Chemical & Engineering Data, 2011, 56, 4564-4576.	1.9	14
26	Partial Molar Volumes of Glycine and dl-Alanine in Aqueous Ammonium Sulfate Solutions at 278.15, 288.15, 298.15 and 308.15 K. Journal of Solution Chemistry, 2014, 43, 972-988.	1.2	14
27	Densities and Apparent Molar Volumes of Aqueous Solutions of $\text{Li}_2\text{SO}_4$ and $\text{Li}_3\text{SO}_3$ at Temperatures from 293 to 343 K. Journal of Chemical & Engineering Data, 2016, 61, 3618-3626.	1.9	13
28	Partial molar volumes of organic solutes in water. XIX. Cyclic alcohols(aq) at $T = (298 \text{ to } 573) \text{ K}$ and at pressures up to 30 MPa. Journal of Chemical Thermodynamics, 2009, 41, 489-498.	2.0	10
29	Densities of NaOH(aq) at Temperatures from (323 to 573) K and 10 MPa Pressure. Journal of Chemical & Engineering Data, 2007, 52, 2237-2244.	1.9	9
30	Isobaric heat capacity measurements of natural gas model mixtures (methane + heptane) and (propane + heptane) by differential scanning calorimetry at temperatures from 313 K to 422 K and pressures up to 31 MPa. Fuel, 2021, 296, 120668.	6.4	9
31	Densities of Concentrated Alkaline Aluminate Solutions at Temperatures from (323 to 573) K and 10 MPa Pressure. Journal of Chemical & Engineering Data, 2010, 55, 1173-1178.	1.9	8
32	Partial Molar Isentropic Compressions and Partial Molar Volumes of Isomeric Butanediols at Infinite Dilution in Water at Temperatures $T = (278 \text{ to } 318) \text{ K}$ and Atmospheric Pressure. Journal of Chemical & Engineering Data, 2013, 58, 388-397.	1.9	8
33	Molar Volumes and Heat Capacities of Aqueous Solutions of Potassium Hydroxide and for Water Ionization up to 573 K at 10 MPa. Journal of Chemical & Engineering Data, 2017, 62, 2959-2972.	1.9	8
34	Electrical conductances of aqueous electrolytes at high temperatures: Limiting mobilities of several ions including the proton and HCl dissociation constant. Journal of Molecular Liquids, 2017, 239, 31-44.	4.9	8
35	Densities and Apparent Molar Volumes of Aqueous Solutions of Zinc Sulfate at Temperatures from 293 to 373 K and 0.1 MPa Pressure. Journal of Chemical & Engineering Data, 2021, 66, 38-44.	1.9	8
36	On a temperature dependence of the van der Waals volume parameter in cubic equations of state. Fluid Phase Equilibria, 1990, 60, 327-332.	2.5	7

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37	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. Journal of Chemical Thermodynamics, 2007, 39, 1286-1291.	2.0	7
38	Partial Molar Volumes of Cyclic Alcohols at Infinite Dilution in Water at Temperatures T = (298 to 373) K and Pressure of 0.5 MPa. Journal of Chemical & Engineering Data, 2009, 54, 459-463.	1.9	7
39	Partial molar volumes of organic solutes in water. XXIII. Cyclic ketones at T= (298 to 573) K and pressures up to 30 MPa. Journal of Chemical Thermodynamics, 2011, 43, 1028-1035.	2.0	7
40	Heat Capacities of Aqueous Solutions of Lithium Sulfate, Lithium Perchlorate, and Lithium Trifluoromethanesulfonate at 298.15 K. Journal of Chemical & Engineering Data, 2016, 61, 2149-2154.	1.9	7
41	Isobaric heat capacities of a methane (1) + propane (2) mixture by differential scanning calorimetry at near-critical and supercritical conditions. Fuel, 2021, 289, 119840.	6.4	7
42	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. Journal of Chemical Thermodynamics, 2013, 64, 231-238.	2.0	5
43	Heat Capacities of Aqueous Solutions of K <sub>4</sub> Fe(CN) <sub>6</sub> , K <sub>3</sub> Fe(CN) <sub>6</sub> , K <sub>3</sub> Co(CN) <sub>6</sub> , K <sub>2</sub> Ni(CN) <sub>4</sub> , and KAg(CN) <sub>2</sub> at 298.15 K. Journal of Chemical & Engineering Data, 2018, 63, 1773-1779.	1.9	5
44	Molar Volumes and Heat Capacities of Aqueous Solutions of Mg(ClO <sub>4</sub> ) <sub>2</sub> . Journal of Chemical & Engineering Data, 2020, 65, 3735-3743.	1.9	5
45	A Volumetric Pitzer Model for Aqueous Solutions of Zinc Sulfate up to Near-Saturation Concentrations at Temperatures from 293.15 to 393.15 K and Pressures up to 10 MPa. Journal of Chemical & Engineering Data, 2021, 66, 58-64.	1.9	5
46	Densities and Apparent Molar Volumes of Aqueous Solutions of Sodium and Potassium Triflates up to High Concentrations at Temperatures 293.15–343.15 K. Journal of Chemical & Engineering Data, 2021, 66, 1802-1812.	1.9	4
47	Chemical speciation effects on the volumetric properties of aqueous sulfuric acid solutions. Journal of Chemical Thermodynamics, 2021, 158, 106408.	2.0	4
48	Excess Volumes of 1,4-Dioxane + Ethane-1,2-diol at 298.15 K. Journal of Chemical & Engineering Data, 1995, 40, 974-975.	1.9	3
49	Partial Molar Volumes and Partial Molar Isentropic Compressions of $\gamma$ -Butyrolactone and $\epsilon$ -Caprolactone at Infinite Dilution in Water at Temperatures (278.15 to 318.15) K and at Atmospheric Pressure. Journal of Solution Chemistry, 2011, 40, 751-763.	1.2	3
50	Densities and Apparent Molar Volumes of Aqueous Solutions of NaClO <sub>4</sub> , KClO <sub>4</sub> , and KCl at Temperatures from 293 to 343 K. Journal of Chemical & Engineering Data, 2021, 66, 3645-3658.	1.9	2
51	Isobaric heat capacity measurements on ternary mixtures of natural gas components methane, propane and n-heptane by differential scanning calorimetry at temperatures from 197 ÅK to 422 ÅK and pressures up to 32 ÅMPa. Fuel, 2022, 308, 121904.	6.4	2
52	Parameters of the Bender Equation of State for Chloro Derivatives of Methane and Chlorobenzene. Collection of Czechoslovak Chemical Communications, 2001, 66, 833-854.	1.0	1
53	Partial Molar Volumes and Partial Molar Isentropic Compressions of Selected Branched Diols at Infinite Dilution in Water at Temperatures $T = (278 \text{ to } 318) \text{ K}$ and Atmospheric Pressure. Journal of Chemical & Engineering Data, 2013, 58, 2487-2495.	1.9	1
54	Apparent molar volumes of aqueous solutions of sodium acetate and sodium benzoate at temperatures from 323 K to 573 K and pressure 10 MPa. Journal of Chemical Thermodynamics, 2017, 109, 100-108.	2.0	1

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55	Densities and Molar Volumes of Aqueous Solutions of $\text{Li}_2\text{SO}_4$ at Temperatures from 343 to 573 K. <i>Journal of Chemical &amp; Engineering Data</i> , 2017, 62, 3593-3602.	1.9	1
56	Densities and Apparent Molar Volumes of Aqueous Solutions of $\text{K}_4\text{Fe}(\text{CN})_6$ , $\text{K}_3\text{Fe}(\text{CN})_6$ , $\text{K}_3\text{Co}(\text{CN})_6$ , $\text{K}_2\text{Ni}(\text{CN})_4$ , and $\text{KAg}(\text{CN})_2$ at 293 to 343 K. <i>Journal of Chemical &amp; Engineering Data</i> , 2018, 63, 3860-3873.	1.9	1
57	Electrical Conductances of Aqueous $\text{Na}_2\text{SO}_4$ , $\text{H}_2\text{SO}_4$ , and Their Mixtures: Limiting Equivalent Ion Conductances, Dissociation Constants, and Speciation to 673 K and 28 MPa.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
58	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.	1.2	0
59	A Simple 1-1 Electrolyte: Volumetric Properties of Aqueous Solutions of Sulfuric Acid at Elevated Temperatures. <i>Journal of Chemical &amp; Engineering Data</i> , 2021, 66, 3219-3225.	1.9	0
60	Densities and Apparent Molar Volumes of Rubidium and Cesium Triflates to High Concentrations in Aqueous Solution at Temperatures from 293.15 to 343.15 K. <i>Journal of Chemical &amp; Engineering Data</i> , 2022, 67, 123-131.	1.9	0