

Sergey P Verevkin

List of Publications by Year in descending order

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425
papers

13,913
citations

30047

54
h-index

39638

94
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440
all docs

440
docs citations

440
times ranked

7057
citing authors

#	ARTICLE	IF	CITATIONS
1	Organic Carbonates as Solvents in Synthesis and Catalysis. <i>Chemical Reviews</i> , 2010, 110, 4554-4581.	23.0	1,041
2	Experimental Vapor Pressures of 1-Alkyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imides and a Correlation Scheme for Estimation of Vaporization Enthalpies of Ionic Liquids. <i>Journal of Physical Chemistry A</i> , 2006, 110, 7303-7306.	1.1	545
3	The Gaseous Enthalpy of Formation of the Ionic Liquid 1-Butyl-3-methylimidazolium Dicyanamide from Combustion Calorimetry, Vapor Pressure Measurements, and Ab Initio Calculations. <i>Journal of the American Chemical Society</i> , 2007, 129, 3930-3937.	6.6	350
4	The influence of hydrogen bonding on the physical properties of ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 14064.	1.3	270
5	Thermodynamic Properties of Mixtures Containing Ionic Liquids. 1. Activity Coefficients at Infinite Dilution of Alkanes, Alkenes, and Alkylbenzenes in 4-Methyl-n-butylpyridinium Tetrafluoroborate Using Gas-Liquid Chromatography. <i>Journal of Chemical & Engineering Data</i> , 2001, 46, 1526-1529.	1.0	242
6	Thermodynamic Properties of Mixtures Containing Ionic Liquids. 2. Activity Coefficients at Infinite Dilution of Hydrocarbons and Polar Solutes in 1-Methyl-3-ethyl-imidazolium Bis(trifluoromethyl-sulfonyl) Amide and in 1,2-Dimethyl-3-ethyl-imidazolium Bis(trifluoromethyl-sulfonyl) Amide Using Gas-Liquid Chromatography. <i>Journal of Chemical & Engineering Data</i> , 2002, 47, 894-899.	1.0	214
7	Enthalpies of vaporization of a series of aliphatic alcohols. <i>Fluid Phase Equilibria</i> , 2001, 192, 187-207.	1.4	213
8	Liquid Organic Hydrogen Carriers: Thermophysical and Thermochemical Studies of Benzyl- and Dibenzyl-toluene Derivatives. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 7967-7976.	1.8	196
9	Thermochemistry of Halogen-Substituted Methylbenzenes. <i>Journal of Chemical & Engineering Data</i> , 2015, 60, 89-103.	1.0	170
10	Transpiration method: Vapor pressures and enthalpies of vaporization of some low-boiling esters. <i>Fluid Phase Equilibria</i> , 2008, 266, 64-75.	1.4	164
11	Making Sense of Enthalpy of Vaporization Trends for Ionic Liquids: New Experimental and Simulation Data Show a Simple Linear Relationship and Help Reconcile Previous Data. <i>Journal of Physical Chemistry B</i> , 2013, 117, 6473-6486.	1.2	158
12	Thermodynamic properties of mixtures containing ionic liquids. Activity coefficients at infinite dilution of polar solutes in 4-methyl- N-butyl-pyridinium tetrafluoroborate using gas-liquid chromatography. <i>Journal of Chemical Thermodynamics</i> , 2002, 34, 1341-1347.	1.0	139
13	A New Method for the Determination of Vaporization Enthalpies of Ionic Liquids at Low Temperatures. <i>Journal of Physical Chemistry B</i> , 2011, 115, 12889-12895.	1.2	113
14	Express thermo-gravimetric method for the vaporization enthalpies appraisal for very low volatile molecular and ionic compounds. <i>Thermochimica Acta</i> , 2012, 538, 55-62.	1.2	109
15	Benchmark thermodynamic properties of 1,3-propanediol: Comprehensive experimental and theoretical study. <i>Journal of Chemical Thermodynamics</i> , 2015, 85, 111-119.	1.0	108
16	Thermodynamic Properties of Mixtures Containing Ionic Liquids. 5. Activity Coefficients at Infinite Dilution of Hydrocarbons, Alcohols, Esters, and Aldehydes in 1-Methyl-3-butyl-imidazolium Bis(trifluoromethyl-sulfonyl) Imide Using Gas-Liquid Chromatography. <i>Journal of Chemical & Engineering Data</i> , 2005, 50, 1510-1514.	1.0	105
17	Determination of Vapor Pressures and Vaporization Enthalpies of the Aliphatic Branched C5 and C6 Alcohols. <i>Journal of Chemical & Engineering Data</i> , 2001, 46, 1593-1600.	1.0	104
18	Organic Carbonates as Alternative Solvents for Palladium-Catalyzed Substitution Reactions. <i>ChemSusChem</i> , 2008, 1, 249-253.	3.6	101

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19	Rediscovering the Wheel. Thermochemical Analysis of Energetics of the Aromatic Diazines. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 3454-3459.	2.1	98
20	Separation Performance of BioRenewable Deep Eutectic Solvents. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 3498-3504.	1.8	97
21	Substituent Effects on the Benzene Ring. Determination of the Intramolecular Interactions of Substituents in Intert-Alkyl-Substituted Catechols from Thermochemical Measurements. <i>Journal of Chemical & Engineering Data</i> , 2000, 45, 946-952.	1.0	95
22	Thermodynamic Properties of Mixtures Containing Ionic Liquids. 9. Activity Coefficients at Infinite Dilution of Hydrocarbons, Alcohols, Esters, and Aldehydes in Trimethyl-butylammonium Bis(trifluoromethylsulfonyl) Imide Using Gas-Liquid Chromatography and Static Method. <i>Journal of Chemical & Engineering Data</i> , 2006, 51, 648-655.	1.0	94
23	Biomass-Derived Platform Chemicals: Thermodynamic Studies on the Conversion of 5-Hydroxymethylfurfural into Bulk Intermediates. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 10087-10093.	1.8	94
24	Low-Viscosity Paramagnetic Ionic Liquids with Doubly Charged [Co(NCS) ₄] ²⁻ Ions. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7116-7119.	7.2	94
25	New Group-Contribution Approach to Thermochemical Properties of Organic Compounds: Hydrocarbons and Oxygen-Containing Compounds. <i>Journal of Physical and Chemical Reference Data</i> , 2013, 42, .	1.9	94
26	Thermodynamic Properties of Mixtures Containing Ionic Liquids. 8. Activity Coefficients at Infinite Dilution of Hydrocarbons, Alcohols, Esters, and Aldehydes in 1-Hexyl-3-methylimidazolium Bis(trifluoromethylsulfonyl) Imide Using Gas-Liquid Chromatography. <i>Journal of Chemical & Engineering Data</i> , 2006, 51, 434-437.	1.0	93
27	Vapor Pressures and Vaporization Enthalpies of a Series of Dialkyl Phthalates by Correlation Gas Chromatography. <i>Journal of Chemical & Engineering Data</i> , 2014, 59, 1353-1365.	1.0	93
28	Predicting Enthalpy of Vaporization of Ionic Liquids: A Simple Rule for a Complex Property. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5071-5074.	7.2	86
29	Vapor Pressures and Activity Coefficients of n-Alcohols and Benzene in Binary Mixtures with 1-Methyl-3-butylimidazolium Octyl Sulfate and 1-Methyl-3-octylimidazolium Tetrafluoroborate. <i>Journal of Chemical & Engineering Data</i> , 2006, 51, 518-525.	1.0	83
30	Volatile Times for the Very First Ionic Liquid: Understanding the Vapor Pressures and Enthalpies of Vaporization of Ethylammonium Nitrate. <i>Chemistry - A European Journal</i> , 2014, 20, 11640-11645.	1.7	83
31	Thermodynamic properties of mixtures containing ionic liquids. <i>Fluid Phase Equilibria</i> , 2005, 236, 222-228.	1.4	81
32	Vapour pressures and enthalpies of vaporization of a series of the linear n-alkyl-benzenes. <i>Journal of Chemical Thermodynamics</i> , 2006, 38, 1111-1123.	1.0	81
33	Thermodynamic Analysis of Strain in the Five-Membered Oxygen and Nitrogen Heterocyclic Compounds. <i>Journal of Physical Chemistry A</i> , 2011, 115, 1992-2004.	1.1	79
34	Thermodynamic Properties of Mixtures Containing Ionic Liquids. 6. Activity Coefficients at Infinite Dilution of Hydrocarbons, Alcohols, Esters, and Aldehydes in 1-Methyl-3-octyl-imidazolium Tetrafluoroborate Using Gas-Liquid Chromatography. <i>Journal of Chemical & Engineering Data</i> , 2005, 50, 1515-1519.	1.0	76
35	Solution calorimetry as a complementary tool for the determination of enthalpies of vaporization and sublimation of low volatile compounds at 298.15 K. <i>Thermochimica Acta</i> , 2014, 589, 164-173.	1.2	76
36	Thermodynamic Properties of Mixtures Containing Ionic Liquids. Activity Coefficients of Ethers and Alcohols in 1-Methyl-3-Ethyl-Imidazolium Bis(Trifluoromethyl-sulfonyl) Imide Using the Transpiration Method. <i>Journal of Chemical & Engineering Data</i> , 2005, 50, 142-148.	1.0	75

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37	Determining the vapour pressures of plant volatiles from gas chromatographic retention data. <i>Journal of Chromatography A</i> , 2005, 1083, 161-172.	1.8	73
38	Thermochemistry of imidazolium-based ionic liquids: experiment and first-principles calculations. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 14994.	1.3	73
39	Determination of volatility of ionic liquids at the nanoscale by means of ultra-fast scanning calorimetry. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 2971.	1.3	72
40	Encapsulated cobalt nanoparticles as a recoverable catalyst for the hydrolysis of sodium borohydride. <i>Energy Storage Materials</i> , 2020, 27, 187-197.	9.5	72
41	Pyrrolidinium-Based Ionic Liquids. 1-Butyl-1-methyl Pyrrolidinium Dicyanoamide: Thermochemical Measurement, Mass Spectrometry, and ab Initio Calculations. <i>Journal of Physical Chemistry B</i> , 2008, 112, 11734-11742.	1.2	69
42	Experimental Study of Thermodynamic Properties of Mixtures Containing Ionic Liquid 1-Ethyl-3-methylimidazolium Ethyl Sulfate Using Gas-Liquid Chromatography and Transpiration Method. <i>Journal of Chemical & Engineering Data</i> , 2006, 51, 2138-2144.	1.0	67
43	Determination of vapor pressures and enthalpies of vaporization of 1,2-alkanediols. <i>Fluid Phase Equilibria</i> , 2004, 224, 23-29.	1.4	66
44	Liquid Organic Hydrogen Carriers: Thermophysical and Thermochemical Studies of Carbazole Partly and Fully Hydrogenated Derivatives. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 7953-7966.	1.8	66
45	Ionic Liquids. Combination of Combustion Calorimetry with High-Level Quantum Chemical Calculations for Deriving Vaporization Enthalpies. <i>Journal of Physical Chemistry B</i> , 2008, 112, 8095-8098.	1.2	65
46	Measurement and Prediction of the Monocarboxylic Acids Thermochemical Properties. <i>Journal of Chemical & Engineering Data</i> , 2000, 45, 953-960.	1.0	64
47	Thermochemistry of amines: strain in six-membered rings from experimental standard molar enthalpies of formation of morpholines and piperazines. <i>Journal of Chemical Thermodynamics</i> , 1998, 30, 1069-1079.	1.0	62
48	An Experimental Thermochemical and Theoretical Study of Triquinacene: A Definitive Disproof of Its Neutral Homoaromaticity. <i>Journal of the American Chemical Society</i> , 1998, 120, 11130-11135.	6.6	62
49	Hydrogen Storage: Thermochemical Studies of <i>N</i> -Alkylcarbazoles and Their Derivatives as a Potential Liquid Organic Hydrogen Carriers. <i>Journal of Physical Chemistry C</i> , 2015, 119, 26381-26389.	1.5	62
50	Estimating Enthalpies of Vaporization of Imidazolium-Based Ionic Liquids from Far-Infrared Measurements. <i>ChemPhysChem</i> , 2010, 11, 1623-1626.	1.0	61
51	Pairwise Substitution Effects, Inter- and Intramolecular Hydrogen Bonds in Methoxyphenols and Dimethoxybenzenes. Thermochemistry, Calorimetry, and First-Principles Calculations. <i>Journal of Physical Chemistry B</i> , 2010, 114, 16503-16516.	1.2	59
52	Vapor pressure of ionic liquids at low temperatures from AC-chip-calorimetry. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 21381-21390.	1.3	59
53	Improved Benson Increments for the Estimation of Standard Enthalpies of Formation and Enthalpies of Vaporization of Alkyl Ethers, Acetals, Ketals, and Ortho Esters. <i>Journal of Chemical & Engineering Data</i> , 2002, 47, 1071-1097.	1.0	57
54	Thermodynamics of Ionic Liquids Precursors: 1-Methylimidazole. <i>Journal of Physical Chemistry B</i> , 2011, 115, 4404-4411.	1.2	56

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55	Structure-Property Relationships in Ionic Liquids: A Study of the Anion Dependence in Vaporization Enthalpies of Imidazolium-Based Ionic Liquids. <i>ChemPhysChem</i> , 2012, 13, 1868-1876.	1.0	56
56	Benchmark Thermochemistry for Biologically Relevant Adenine and Cytosine. A Combined Experimental and Theoretical Study. <i>Journal of Physical Chemistry A</i> , 2015, 119, 9680-9691.	1.1	56
57	Thermodynamic properties of mixtures containing ionic liquids. <i>Fluid Phase Equilibria</i> , 2004, 218, 165-175.	1.4	55
58	Thermochemistry of Chlorobenzenes and Chlorophenols: Ambient Temperature Vapor Pressures and Enthalpies of Phase Transitions. <i>Journal of Chemical & Engineering Data</i> , 2007, 52, 499-510.	1.0	55
59	Does alkyl chain length really matter? Structure-property relationships in thermochemistry of ionic liquids. <i>Thermochimica Acta</i> , 2013, 562, 84-95.	1.2	55
60	The Heat of Hydrogenation of (a) Cyclohexatriene. <i>Journal of the American Chemical Society</i> , 2000, 122, 7819-7820.	6.6	54
61	Vapour pressures and enthalpies of vaporization of a series of the linear n-alkyl acetates. <i>Journal of Chemical Thermodynamics</i> , 2006, 38, 717-723.	1.0	54
62	Imidazolium-Based Ionic Liquids. 1-Methyl Imidazolium Nitrate: Thermochemical Measurements and Ab Initio Calculations. <i>Journal of Physical Chemistry B</i> , 2009, 113, 9871-9876.	1.2	54
63	Benchmark thermodynamic properties of methylanisoles: Experimental and theoretical study. <i>Journal of Chemical Thermodynamics</i> , 2015, 85, 155-162.	1.0	54
64	Thermodynamics of Imidazolium-Based Ionic Liquids Containing PF ₆ Anions. <i>Journal of Physical Chemistry B</i> , 2016, 120, 7949-7957.	1.2	54
65	Vapour pressures and enthalpies of vapourization of a series of the linear aliphatic nitriles. <i>Journal of Chemical Thermodynamics</i> , 2005, 37, 73-81.	1.0	53
66	Measurement and Prediction of Thermochemical Properties: Improved Increments for the Estimation of Enthalpies of Sublimation and Standard Enthalpies of Formation of Alkyl Derivatives of Urea. <i>Journal of Chemical & Engineering Data</i> , 2006, 51, 79-87.	1.0	53
67	Measurement and Prediction of Thermochemical Properties. Improved Benson-Type Increments for the Estimation of Enthalpies of Vaporization and Standard Enthalpies of Formation of Aliphatic Alcohols. <i>Journal of Chemical & Engineering Data</i> , 2005, 50, 1114-1124.	1.0	52
68	Liquid Organic Hydrogen Carriers: An Upcoming Alternative to Conventional Technologies. Thermochemical Studies. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 12150-12153.	1.8	52
69	Structure-property relationships in ILs: A study of the alkyl chain length dependence in vaporisation enthalpies of pyridinium based ionic liquids. <i>Science China Chemistry</i> , 2012, 55, 1525-1531.	4.2	52
70	Determination of Vaporization Enthalpies of the Branched Esters from Correlation Gas Chromatography and Transpiration Methods. <i>Journal of Chemical & Engineering Data</i> , 1999, 44, 1240-1244.	1.0	50
71	Title is missing!. <i>Journal of Solution Chemistry</i> , 2003, 32, 519-526.	0.6	50
72	Dispersion and Hydrogen Bonding Rule: Why the Vaporization Enthalpies of Aprotic Ionic Liquids Are Significantly Larger than those of Protic Ionic liquids. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11682-11686.	7.2	50

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73	Strain Energies in [n]Triangulanes and Spirocyclopropanated Cyclobutanes: An Experimental Study. <i>Journal of the American Chemical Society</i> , 1995, 117, 11854-11860.	6.6	49
74	Vapor Pressures and Vaporization Enthalpies of a Series of Ethanolamines. <i>Journal of Chemical & Engineering Data</i> , 2005, 50, 398-402.	1.0	49
75	Paramagnetic Ionic Liquid 1-Butyl-3-methylimidazolium Tetrabromidocobaltate(II): Activity Coefficients at Infinite Dilution of Organic Solutes and Crystal Structure. <i>Journal of Chemical & Engineering Data</i> , 2009, 54, 1524-1528.	1.0	48
76	Vapor pressures and enthalpies of vaporization of a series of the linear aliphatic aldehydes. <i>Fluid Phase Equilibria</i> , 2003, 206, 331-339.	1.4	47
77	Thermodynamic Properties of Mixtures Containing Ionic Liquids. 7. Activity Coefficients of Aliphatic and Aromatic Esters and Benzylamine in 1-Methyl-3-ethylimidazolium Bis(trifluoromethylsulfonyl) Imide Using the Transpiration Method. <i>Journal of Chemical & Engineering Data</i> , 2006, 51, 213-218.	1.0	46
78	Melting temperature and heat of fusion of cytosine revealed from fast scanning calorimetry. <i>Thermochimica Acta</i> , 2017, 657, 47-55.	1.2	46
79	Comprehensive Study of Vapor Pressures and Enthalpies of Vaporization of Cyclohexyl Esters. <i>Journal of Chemical & Engineering Data</i> , 2003, 48, 1393-1400.	1.0	45
80	Vaporization and Formation Enthalpies of 1-Alkyl-3-methylimidazolium Tricyanomethanides. <i>Journal of Physical Chemistry B</i> , 2011, 115, 11712-11717.	1.2	45
81	Enthalpies of Vaporization and Sublimation of the Halogen-Substituted Aromatic Hydrocarbons at 298.15 K: Application of Solution Calorimetry Approach. <i>Journal of Chemical & Engineering Data</i> , 2015, 60, 748-761.	1.0	45
82	Rhodium-catalyzed asymmetric hydrogenation with self-assembling catalysts in propylene carbonate. <i>Tetrahedron Letters</i> , 2008, 49, 768-771.	0.7	44
83	Structure-Energy Relationship in Barbituric Acid: A Calorimetric, Computational, and Crystallographic Study. <i>Journal of Physical Chemistry A</i> , 2008, 112, 7455-7465.	1.1	44
84	Thermodynamic Properties of Adamantane Revisited. <i>Journal of Physical Chemistry B</i> , 2011, 115, 10064-10072.	1.2	44
85	Going Full Circle: Phase Transition Thermodynamics of Ionic Liquids. <i>Chemistry - A European Journal</i> , 2011, 17, 6508-6517.	1.7	44
86	Building blocks for ionic liquids: Vapor pressures and vaporization enthalpies of 1-(n-alkyl)-imidazoles. <i>Journal of Chemical Thermodynamics</i> , 2011, 43, 1500-1505.	1.0	44
87	Thermochemistry of substituted benzenes. Experimental standard molar enthalpies of formation of o-, m-, and p-terphenyls and 1,3,5-triphenylbenzene. <i>Journal of Chemical Thermodynamics</i> , 1997, 29, 1495-1501.	1.0	43
88	Vaporization Enthalpies of Imidazolium Based Ionic Liquids: Dependence on Alkyl Chain Length. <i>ChemPhysChem</i> , 2011, 12, 3609-3613.	1.0	41
89	Molecular Interactions in 1-Butanol + IL Solutions by Measuring and Modeling Activity Coefficients. <i>Journal of Physical Chemistry B</i> , 2013, 117, 3173-3185.	1.2	41
90	Molecular Origin of Enhanced Proton Conductivity in Anhydrous Ionic Systems. <i>Journal of the American Chemical Society</i> , 2015, 137, 1157-1164.	6.6	41

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91	Thermochemical properties of branched alkylsubstituted benzenes. <i>Journal of Chemical Thermodynamics</i> , 1998, 30, 1029-1040.	1.0	40
92	Thermochemistry of aromatic ketones. Experimental enthalpies of formation and structural effects Presented at the Twelfth Ulm-Freiberg Conference, Freiberg, Germany, 19 th –21 March 1997. <i>Thermochimica Acta</i> , 1998, 310, 229-235.	1.2	40
93	Thermochemistry of nitro compounds. Experimental standard enthalpies of formation and improved group-additivity values. <i>Thermochimica Acta</i> , 1997, 307, 17-25.	1.2	39
94	Vapour pressure and enthalpy of vaporization of cyclic alkylene carbonates. <i>Fluid Phase Equilibria</i> , 2008, 268, 1-6.	1.4	38
95	Vapour pressure and enthalpy of vaporization of aliphatic dialkyl carbonates. <i>Journal of Chemical Thermodynamics</i> , 2008, 40, 1136-1140.	1.0	38
96	Vapour pressures and enthalpies of vapourization of a series of the β -lactones. <i>Journal of Chemical Thermodynamics</i> , 2008, 40, 911-916.	1.0	37
97	Co-solvent effects on reaction rate and reaction equilibrium of an enzymatic peptide hydrolysis. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 11317-11326.	1.3	37
98	Vapor Pressures, Enthalpies of Vaporization, and Critical Parameters of a Series of Linear Aliphatic Dimethyl Esters of Dicarboxylic Acids. <i>Journal of Chemical & Engineering Data</i> , 2006, 51, 1896-1905.	1.0	36
99	Organische Carbonate. Gr ^{und} ne L ^o sungsmittel f ^{ur} Synthese und Katalyse. <i>Chemie in Unserer Zeit</i> , 2009, 43, 12-21.	0.1	36
100	Enthalpies of formation of nitromethane and nitrobenzene: New experiments vs. quantum chemical calculations. <i>Journal of Chemical Thermodynamics</i> , 2014, 73, 163-170.	1.0	36
101	Thermochemistry of Dihalogen-Substituted Benzenes: Data Evaluation Using Experimental and Quantum Chemical Methods. <i>Journal of Physical Chemistry B</i> , 2014, 118, 14479-14492.	1.2	36
102	Benchmark properties of biphenyl as a liquid organic hydrogen carrier: Evaluation of thermochemical data with complementary experimental and computational methods. <i>Journal of Chemical Thermodynamics</i> , 2018, 122, 1-12.	1.0	36
103	Enthalpies of Formation and Strain of Chlorobenzoic Acids from Thermochemical Measurements and from ab Initio Calculations. <i>Journal of Physical Chemistry A</i> , 2005, 109, 4375-4380.	1.1	35
104	Thermodynamic properties of 1-aminoadamantane. <i>Journal of Chemical Thermodynamics</i> , 2008, 40, 509-522.	1.0	35
105	Cyclic alkylene carbonates. Experiment and first principle calculations for prediction of thermochemical properties. <i>Journal of Chemical Thermodynamics</i> , 2008, 40, 1428-1432.	1.0	35
106	Re-investigation and Data Assessment of the Isomerization and 2,2 ⁻ Cyclization of Stilbenes and Azobenzenes. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 10120-10128.	1.8	35
107	Thermodynamic Analysis of Strain in Heteroatom Derivatives of Indene. <i>Journal of Physical Chemistry A</i> , 2011, 115, 12271-12279.	1.1	35
108	Ionic Liquids: Differential Scanning Calorimetry as a New Indirect Method for Determination of Vaporization Enthalpies. <i>Journal of Physical Chemistry B</i> , 2012, 116, 4276-4285.	1.2	35

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109	Empirical description and prediction of ionic liquids' properties with augmented volume-based thermodynamics. <i>Journal of Molecular Liquids</i> , 2014, 192, 3-8.	2.3	35
110	Benzoic Acid and Chlorobenzoic Acids: Thermodynamic Study of the Pure Compounds and Binary Mixtures With Water. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 1050-1058.	1.6	35
111	Experimental and Theoretical Thermodynamic Study of Distillable Ionic Liquid 1,5-Diazabicyclo[4.3.0]non-5-enium Acetate. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 10445-10454.	1.8	35
112	Ferrocene: Temperature adjustments of sublimation and vaporization enthalpies. <i>Fluid Phase Equilibria</i> , 2018, 472, 196-203.	1.4	35
113	Fatty acids methyl esters: Complementary measurements and comprehensive analysis of vaporization thermodynamics. <i>Journal of Chemical Thermodynamics</i> , 2019, 132, 322-340.	1.0	35
114	Enthalpies of Formation and Substituent Effects of ortho-, meta-, and para-Aminotoluenes from Thermochemical Measurements and from Ab Initio Calculations. <i>Journal of Physical Chemistry A</i> , 2005, 109, 3960-3966.	1.1	34
115	Structure-property relationships in ILs: Vaporization enthalpies of pyrrolidinium based ionic liquids. <i>Journal of Molecular Liquids</i> , 2014, 192, 171-176.	2.3	34
116	Vapor pressures and vaporization enthalpies of 5-nonanone, linalool and 6-methyl-5-hepten-2-one. Data evaluation. <i>Fluid Phase Equilibria</i> , 2015, 386, 140-148.	1.4	34
117	Geminal Substituent Effects, 15. Enthalpies of Formation of a Series of Fluorinated Hydrocarbons and Strain-Free Group Increments to Assess Polar and Anomeric Stabilization and Strain. <i>Liebigs Annalen</i> , 1997, 1997, 1333-1344.	0.8	33
118	Heats of Formation of [2.2]Paracyclophane-1-ene and [2.2]Paracyclophane-1,9-diene - An Experimental Study. <i>Journal of the American Chemical Society</i> , 2003, 125, 15110-15113.	6.6	33
119	Bifunctional catalysts with noble metals on composite Al ₂ O ₃ -SAPO-11 carrier and their comparison with CoMoS one in n-hexadecane hydroisomerization. <i>Catalysis Today</i> , 2019, 329, 71-81.	2.2	33
120	Thermochemistry of amines: experimental standard molar enthalpies of formation of some aliphatic and aromatic amines. <i>Journal of Chemical Thermodynamics</i> , 1997, 29, 891-899.	1.0	32
121	Pairwise-Substitution Effects and Intramolecular Hydrogen Bonds in Nitrophenols and Methylnitrophenols. Thermochemical Measurements and ab Initio Calculations. <i>Journal of Physical Chemistry A</i> , 2007, 111, 6552-6562.	1.1	32
122	Carbonate based ionic liquid synthesis (CBILS [®]): thermodynamic analysis. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 31904-31913.	1.3	32
123	Enthalpy of Formation and Strain of Norbornane from Thermochemical Measurements and from ab Initio Calculations. <i>Journal of Physical Chemistry A</i> , 2004, 108, 6575-6580.	1.1	31
124	Activity coefficients at infinite dilution and enthalpies of solution of methanol, 1-butanol, and 1-hexanol in 1-hexyl-3-methyl-imidazolium bis(trifluoromethyl-sulfonyl) imide. <i>Journal of Chemical Thermodynamics</i> , 2007, 39, 268-274.	1.0	31
125	Vaporization enthalpies of imidazolium based ionic liquids. A thermogravimetric study of the alkyl chain length dependence. <i>Journal of Chemical Thermodynamics</i> , 2012, 54, 433-437.	1.0	31
126	Benchmark thermochemistry of methylbenzonitriles: Experimental and theoretical study. <i>Journal of Chemical Thermodynamics</i> , 2015, 91, 186-193.	1.0	31

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127	Di-hydroxybenzenes: Catechol, resorcinol, and hydroquinone. <i>Thermochimica Acta</i> , 2008, 471, 33-42.	1.2	30
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