

Sergey P Verevkin

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.

421
papers

11,635
citations

51
h-index

86
g-index

440
ext. papers

12,944
ext. citations

3.6
avg, IF

6.68
L-index

#	Paper	IF	Citations
4 ²¹	Molecular versus ionic liquids: Development of a thermodynamic framework for predicting vaporization thermodynamics. <i>Journal of Molecular Liquids</i> , 2022 , 350, 118576	6	2
4 ²⁰	Thermodynamic framework for the predicting the properties of amino-benzoic acids. <i>Journal of Chemical Thermodynamics</i> , 2022 , 166, 106689	2.9	0
4 ¹⁹	Vaporization Thermodynamics of Pyrrolidinium, Pyridinium, and Imidazolium-Based Ionic Liquids Bearing the Bis(fluorosulfonyl)imide [FSI] and the Bis(trifluoromethylsulfonyl)imide [NTf ₂] Anions. <i>International Journal of Thermophysics</i> , 2022 , 43, 1	2.1	0
4 ¹⁸	Non-covalent interactions in aminoalcohols: Quantification of the intra-molecular hydrogen bond strength from the enthalpy of vaporization and quantum chemistry. <i>Journal of Molecular Liquids</i> , 2022 , 347, 118322	6	0
4 ¹⁷	Hydrogen storage technologies: Methyl-substituted biphenyls as an auspicious alternative to conventional liquid organic hydrogen carriers (LOHC). <i>Journal of Chemical Thermodynamics</i> , 2022 , 165, 106648	2.9	6
4 ¹⁶	Glycerol valorisation towards biofuel additives: Thermodynamic studies of glycerol ethers. <i>Chemical Engineering Science</i> , 2022 , 247, 117032	4.4	2
4 ¹⁵	Investigation of dibenzothiophene, dimethyldisulfide, quinoline and naphthalene reactions under hydrotreating conditions in the presence of Ni ₆ PMonW(12B)/Al ₂ O ₃ catalysts. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2022 , 135, 927	1.6	
4 ¹⁴	Reversible storage and release of hydrogen with LOHC: Evaluation of thermochemical data for methyl-quinolines with complementary experimental and computational methods. <i>Fuel</i> , 2022 , 317, 123501	7.1	1
4 ¹³	Thermochemical properties of 6,7-benzindole and its perhydrogenated derivative: A model component for liquid organic hydrogen carriers. <i>Fuel</i> , 2022 , 324, 124410	7.1	1
4 ¹²	Non-covalent interactions in molecular systems: thermodynamic evaluation of the hydrogen bond strength in aminoalcohols. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 25226-25238	3.6	0
4 ¹¹	Vapor Pressure of Pure Methyl Oleate—the Main Component of Biodiesel. <i>Russian Journal of General Chemistry</i> , 2021 , 91, 2061-2068	0.7	0
4 ¹⁰	Strength of Intramolecular Hydrogen Bonding in 2-Biphenylmethanol and 4-Biphenylmethanol. <i>Russian Journal of General Chemistry</i> , 2021 , 91, 1946-1956	0.7	
4 ⁰⁹	Commodity Chemicals and Fuels from Biomass: Thermodynamic Properties of Levoglucosan Derivatives. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 17183-17194	3.9	1
4 ⁰⁸	Tetrahydrothiophene-Based Ionic Liquids: Synthesis and Thermodynamic Characterizations. <i>ChemistryOpen</i> , 2021 , 10, 153-163	2.3	3
4 ⁰⁷	Volatility of molten salts [Ph ₄ P][NTf ₂] and Cs[NTf ₂]. <i>ChemistryOpen</i> , 2021 , 10, 199-204	2.3	0
4 ⁰⁶	In the footsteps of August Michaelis: Syntheses and Thermodynamics of Extremely Low-Volatile Ionic Liquids. <i>ChemistryOpen</i> , 2021 , 10, 243-247	2.3	1
4 ⁰⁵	Morpholinium and piperidinium based ionic liquids: Vaporization thermodynamics. <i>Journal of Molecular Liquids</i> , 2021 , 329, 115590	6	0

404	Evaluation of vaporization thermodynamics of pure amino-alcohols. <i>Journal of Molecular Liquids</i> , 2021 , 335, 116568	6	4
403	Thermodynamic Properties of Biogenic Amines and Their Solutions. <i>Journal of Chemical & Engineering Data</i> , 2021 , 66, 2822-2831	2.8	3
402	Vapour pressures of methoxy substituted benzaldehydes. <i>Fluid Phase Equilibria</i> , 2021 , 531, 112912	2.5	3
401	Weaving a web of reliable thermochemistry around lignin building blocks: Vanillin and its isomers. <i>Journal of Chemical Thermodynamics</i> , 2021 , 157, 106362	2.9	10
400	From volatility to solubility: Thermodynamics of imidazolium-based ionic liquids containing chloride and bromide anions. <i>Journal of Molecular Liquids</i> , 2021 , 323, 114998	6	8
399	The Relative Thermodynamic Stability of Diamond and Graphite. <i>Angewandte Chemie</i> , 2021 , 133, 1570-1573	2.3	3
398	Ionic liquids alkyl-imidazolium thiocyanates: Comprehensive thermochemical study. <i>Journal of Molecular Liquids</i> , 2021 , 321, 114284	6	2
397	Determination of the dispersion forces in the gas phase structures of ionic liquids using exclusively thermodynamic methods. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 7398-7406	3.6	1
396	Webbing a network of reliable thermochemistry around lignin building blocks: tri-methoxy-benzenes.. <i>RSC Advances</i> , 2021 , 11, 10727-10737	3.7	11
395	PC-SAFT Modeling of Phase Equilibria Relevant for Lipid-Based Drug Delivery Systems. <i>Journal of Chemical & Engineering Data</i> , 2021 , 66, 1280-1289	2.8	2
394	Vaporization Thermodynamics of Morpholinium Based Ionic Liquids. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021 , 647, 547-551	1.3	0
393	Energetics of LOHC: Structure-Property Relationships from Network of Thermochemical Experiments and in Silico Methods. <i>Hydrogen</i> , 2021 , 2, 101-121	1.8	1
392	Thermochemical properties of pyrazine derivatives as seminal liquid organic hydrogen carriers for hydrogen storage. <i>Journal of Chemical Thermodynamics</i> , 2021 , 158, 106406	2.9	4
391	Thermodynamic analysis of hydrogen storage: Biphenyl as affordable liquid organic hydrogen carrier (LOHC). <i>Journal of Chemical Thermodynamics</i> , 2021 , 159, 106455	2.9	8
390	Imidazolium Based Ionic Liquids: Unbiased Recovering of Vaporization Enthalpies from Infinite-Dilution Activity Coefficients. <i>Molecules</i> , 2021 , 26,	4.8	2
389	Paving the way to the sustainable hydrogen storage: Thermochemistry of amino-alcohols as precursors for liquid organic hydrogen carriers. <i>Journal of Chemical Thermodynamics</i> , 2021 , 163, 106610	2.9	6
388	Sustainable hydrogen storage: Thermochemistry of amino-alcohols as seminal liquid organic hydrogen carriers. <i>Journal of Chemical Thermodynamics</i> , 2021 , 163, 106591	2.9	2
387	Quantification and understanding of non-covalent interactions in molecular and ionic systems: Dispersion interactions and hydrogen bonding analysed by thermodynamic methods. <i>Journal of Molecular Liquids</i> , 2021 , 343, 117547	6	1

386	Extremely Low Vapor-Pressure Data as Access to PC-SAFT Parameter Estimation for Ionic Liquids and Modeling of Precursor Solubility in Ionic Liquids. <i>ChemistryOpen</i> , 2021 , 10, 216-226	2.3	1
385	The Relative Thermodynamic Stability of Diamond and Graphite. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 1546-1549	16.4	5
384	Hydrogen Storage: Thermodynamic Analysis of Alkyl-Quinolines and Alkyl-Pyridines as Potential Liquid Organic Hydrogen Carriers (LOHC). <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 11758	2.6	0
383	Structure-property relationships in substituted diphenyl ethers: Non-nearest interactions of methyl-, methoxy-, hydroxyl-, amino-, and nitro-substituents. <i>Fluid Phase Equilibria</i> , 2020 , 512, 112534	2.5	3
382	High-Pressure-Mediated Thiourea-Organocatalyzed Asymmetric Michael Addition to (Hetero)aromatic Nitroolefins: Prediction of Reaction Parameters by PCP-SAFT Modelling. <i>ChemPlusChem</i> , 2020 , 85, 1292-1296	2.8	2
381	Liquid organic hydrogen carriers: Hydrogen storage by di-phenyl ether derivatives: An experimental and theoretical study. <i>Journal of Chemical Thermodynamics</i> , 2020 , 144, 106057	2.9	9
380	Hydrogen Release from Decalin by Catalytic Dehydrogenation over Supported Platinum Catalysts. <i>Topics in Catalysis</i> , 2020 , 63, 178-186	2.3	8
379	Heat capacities of ionic liquids based on tetrahydrothiophenium cation and NTF2 anion. <i>Thermochimica Acta</i> , 2020 , 686, 178547	2.9	5
378	Encapsulated cobalt nanoparticles as a recoverable catalyst for the hydrolysis of sodium borohydride. <i>Energy Storage Materials</i> , 2020 , 27, 187-197	19.4	34
377	Standard Gibbs energy of metabolic reactions: V. Enolase reaction. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2020 , 1868, 140365	4	7
376	Furfuryl alcohol as a potential liquid organic hydrogen carrier (LOHC): Thermochemical and computational study. <i>Fuel</i> , 2020 , 266, 117067	7.1	11
375	Thermodynamics of glycerol and diols valorisation via reactive systems of acetals synthesis. <i>Fluid Phase Equilibria</i> , 2020 , 510, 112503	2.5	4
374	Thermochemistry of phthalic acids: Evaluation of thermochemical data with complementary experimental and computational methods. <i>Fluid Phase Equilibria</i> , 2020 , 517, 112582	2.5	3
373	Thermochemistry of di-substituted benzenes: nitro- and dimethylamino benzaldehydes. <i>Journal of Chemical Thermodynamics</i> , 2020 , 143, 106060	2.9	3
372	Thermochemistry of organometallic compounds: Structure-property relationships in alkylferrocenes. <i>Chemical Physics Letters</i> , 2020 , 739, 136911	2.5	5
371	Dissecting intermolecular interactions in the condensed phase of ibuprofen and related compounds: the specific role and quantification of hydrogen bonding and dispersion forces. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 4896-4904	3.6	5
370	Sublimation thermodynamics of nucleobases derived from fast scanning calorimetry. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 838-853	3.6	9
369	Intermolecular interaction of organic solutes with protic [MIM][NO ₃] and aprotic [EMIM][NO ₃] ionic liquids. <i>Journal of Molecular Liquids</i> , 2020 , 299, 112243	6	3

368	NiMoW/P-Al ₂ O ₃ four-component catalysts with different Mo:W molar ratios and P ₂ O ₅ contents: the effect of the composition and active phase morphology on the catalytic activity. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2020 , 129, 253-264	1.6	3
367	Error or exemption to the rule? Development of a diagnostic check for thermochemistry of metal-organic compounds.. <i>RSC Advances</i> , 2020 , 10, 38158-38173	3.7	5
366	Thermochemical Properties and Dehydrogenation Thermodynamics of Indole Derivates. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 20539-20550	3.9	6
365	Paving the way to solubility through volatility: Thermodynamics of imidazolium-based ionic liquids of the type [C _n C ₁ Im][I]. <i>Fluid Phase Equilibria</i> , 2020 , 522, 112767	2.5	2
364	Vaporization Thermodynamics of 1-Ethyl-3-Methylimidazolium Diethyl Phosphate. <i>Russian Journal of Inorganic Chemistry</i> , 2020 , 65, 699-702	1.5	1
363	Thermochemistry of the lignin broken bits. <i>Fluid Phase Equilibria</i> , 2020 , 522, 112751	2.5	9
362	Synthesis and Properties of 1,2,3-Triethoxypropane: A Glycerol-Derived Green Solvent Candidate. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 20190-20200	3.9	6
361	Symmetry vs. asymmetry [Enthalpic differences in imidazolium-based ionic liquids. <i>Journal of Molecular Liquids</i> , 2020 , 317, 114150	6	2
360	Weaving a Network of Reliable Thermochemistry around Lignin Building Blocks: Methoxy-Phenols and Methoxy-Benzaldehydes. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 22626-22639	3.9	5
359	Diphenyl Ether Derivatives as Potential Liquid Organic Hydrogen Carriers: Thermochemical and Computational Study. <i>Journal of Chemical & Engineering Data</i> , 2020 , 65, 1108-1116	2.8	6
358	Thermochemistry of di-substituted benzenes: Ortho-, meta-, and para-hydroxyacetophenones. <i>Journal of Chemical Thermodynamics</i> , 2020 , 140, 105893	2.9	3
357	Long-chain linear alcohols: Reconciliation of phase transition enthalpies. <i>Journal of Chemical Thermodynamics</i> , 2020 , 146, 106103	2.9	9
356	Isolating the role of hydrogen bonding in hydroxyl-functionalized ionic liquids by means of vaporization enthalpies, infrared spectroscopy and molecular dynamics simulations. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 20308-20314	3.6	7
355	Biomass Valorization: Thermodynamics of the Guerbet Condensation Reaction. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 4904-4914	2.8	6
354	Phenyl substituted ureas: Evaluation of thermochemical data with complementary experimental and computational methods. <i>Journal of Chemical Thermodynamics</i> , 2019 , 132, 439-450	2.9	3
353	N-phenyl-carbazole as a potential liquid organic hydrogen carrier: Thermochemical and computational study. <i>Journal of Chemical Thermodynamics</i> , 2019 , 132, 122-128	2.9	11
352	Innenrücktitelbild: Zerlegung der Verdampfungsenthalpien ionischer Flüssigkeiten durch rein experimentelle Methoden: Coulomb-Wechselwirkung, Wasserstoffbrücken und Dispersionskräfte (Angew. Chem. 25/2019). <i>Angewandte Chemie</i> , 2019 , 131, 8685	3.6	
351	Energetic structure-property relationships in thermochemistry of halogenosubstituted benzoic acids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 138, 4045-4059	4.1	1

350	Dissecting the Vaporization Enthalpies of Ionic Liquids by Exclusively Experimental Methods: Coulomb Interaction, Hydrogen Bonding, and Dispersion Forces. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 8589-8592	16.4	11
349	Zerlegung der Verdampfungsenthalpien ionischer Flüssigkeiten durch rein experimentelle Methoden: Coulomb-Wechselwirkung, Wasserstoffbrücken und Dispersionskräfte. <i>Angewandte Chemie</i> , 2019 , 131, 8679	3.6	
348	Imidazolium-based ionic liquids containing FAP anion: Thermodynamic study. <i>Journal of Molecular Liquids</i> , 2019 , 287, 110959	6	7
347	Fast scanning calorimetry: Sublimation thermodynamics of low volatile and thermally unstable compounds. <i>Thermochimica Acta</i> , 2019 , 676, 249-262	2.9	18
346	Vapour pressures and enthalpies of vaporisation of alkyl formamides. <i>Fluid Phase Equilibria</i> , 2019 , 494, 228-238	2.5	13
345	Hydrodeoxygenation of Oleic Acid on Supported and Unsupported MoS ₂ and NiMoS ₂ Catalysts for the Production of Green Diesel Fuel. <i>Chemistry and Technology of Fuels and Oils</i> , 2019 , 54, 686-697	0.4	3
344	Vaporization thermodynamics of compounds modeling lignin structural units. <i>Fluid Phase Equilibria</i> , 2019 , 491, 45-55	2.5	16
343	Melting of nucleobases. Getting the cutting edge of "Walden's Rule". <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 12787-12797	3.6	15
342	Thermodynamic Modeling of Triglycerides using PC-SAFT. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 1446-1453	2.8	10
341	Thermodynamic Properties of Systems Comprising Esters: Experimental Data and Modeling with PC-SAFT and SAFT- λ Mie. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 6841-6849	3.9	5
340	Benchmark properties of pyrazole derivatives as a potential liquid organic hydrogen carrier: Evaluation of thermochemical data with complementary experimental and computational methods. <i>Journal of Chemical Thermodynamics</i> , 2019 , 128, 173-186	2.9	7
339	Renewable platform chemicals: Evaluation of thermochemical data of alkyl lactates with complementary experimental and computational methods. <i>Journal of Chemical Thermodynamics</i> , 2019 , 128, 55-67	2.9	7
338	Vapour pressures and enthalpies of vaporisation of N-alkyl acetamides. <i>Journal of Molecular Liquids</i> , 2019 , 293, 111453	6	4
337	Vapour pressures and enthalpies of vaporisation of N,N-di-alkyl-acetamides. <i>Fluid Phase Equilibria</i> , 2019 , 499, 112241	2.5	6
336	Isomerization of Linear Paraffin Hydrocarbons in the Presence of Sulfide CoMo and NiW Catalysts on Al ₂ O ₃ /SAPO-11 Support. <i>Russian Journal of Applied Chemistry</i> , 2019 , 92, 1772-1779	0.8	5
335	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	5.3	20
334	Vaporization thermodynamics of ionic liquids with tetraalkylphosphonium cations. <i>Journal of Chemical Thermodynamics</i> , 2019 , 130, 204-212	2.9	13
333	Fatty acids methyl esters: Complementary measurements and comprehensive analysis of vaporization thermodynamics. <i>Journal of Chemical Thermodynamics</i> , 2019 , 132, 322-340	2.9	19

332	Thermochemistry of drugs: experimental and theoretical study of analgesics. <i>Structural Chemistry</i> , 2019 , 30, 247-261	1.8	4
331	Co-solvent effects on reaction rate and reaction equilibrium of an enzymatic peptide hydrolysis. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 11317-11326	3.6	31
330	Thermodynamics and proton activities of protic ionic liquids with quantum cluster equilibrium theory. <i>Journal of Chemical Physics</i> , 2018 , 148, 193822	3.9	19
329	Renewable platform chemicals: Thermochemical study of levulinic acid esters. <i>Thermochimica Acta</i> , 2018 , 659, 213-221	2.9	19
328	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	2.9	25
327	Thermodynamic properties of selenoether-functionalized ionic liquids and their use for the synthesis of zinc selenide nanoparticles. <i>Dalton Transactions</i> , 2018 , 47, 5083-5097	4.3	12
326	Solubility predictions of acetanilide derivatives in water: Combining thermochemistry and thermodynamic modeling. <i>Fluid Phase Equilibria</i> , 2018 , 455, 43-53	2.5	18
325	How much different are thermochemical properties of enantiomers and their racemates? Thermochemical properties of enantiopure and racemate of methyl- and butyl lactates. <i>Journal of Chemical Physics</i> , 2018 , 149, 054506	3.9	3
324	Imidazolium based ionic liquids containing methanesulfonate anion: comprehensive thermodynamic study. <i>Chemical Engineering Research and Design</i> , 2018 , 137, 164-173	5.5	11
323	Development of Direct and Indirect Methods for the Determination of Vaporization Enthalpies of Extremely Low-Volatile Compounds. <i>Handbook of Thermal Analysis and Calorimetry</i> , 2018 , 6, 1-46		7
322	Ferrocene: Temperature adjustments of sublimation and vaporization enthalpies. <i>Fluid Phase Equilibria</i> , 2018 , 472, 196-203	2.5	22
321	Benchmark properties of diphenyl oxide as a potential liquid organic hydrogen carrier: Evaluation of thermochemical data with complementary experimental and computational methods. <i>Journal of Chemical Thermodynamics</i> , 2018 , 125, 149-158	2.9	7
320	Thermochemistry of Substituted Benzamides and Substituted Benzoic Acids: Like Tree, Like Fruit?. <i>ChemPhysChem</i> , 2018 , 19, 619-630	3.2	13
319	An Effect of a Support Nature and Active Phase Morphology on Catalytic Properties of Ni-Containing Catalysts in Hydrogenation of Biphenyl. <i>Russian Journal of Applied Chemistry</i> , 2018 , 91, 1701-1710	0.8	3
318	NiMoW/P-Al ₂ O ₃ Hydrotreating Catalysts: Influence of the Mo/W Ratio on the Hydrodesulfurization and Hydrogenation Activity. <i>Russian Journal of Applied Chemistry</i> , 2018 , 91, 1363-1369	0.8	2
317	Effect of the Composition and Morphology of the Active Phase of NiMoW/P-Al ₂ O ₃ Catalysts with Different Mo/W Ratios on Their Activity in the Reactions of Dibenzothiophene Hydrogenolysis and Naphthalene Hydrogenation. <i>Kinetics and Catalysis</i> , 2018 , 59, 644-652	1.5	2
316	Thermodynamic Properties of Trimethylene Urethane (1,3-Oxazinan-2-one). <i>Journal of Chemical & Engineering Data</i> , 2018 ,	2.8	2
315	Hydrogen bonding of molecular solutes in protic and aprotic ionic liquids. <i>Journal of Molecular Liquids</i> , 2018 , 271, 815-819	6	6

314	Thermodynamics of Imidazolium-Based Ionic Liquids Containing the Trifluoromethanesulfonate Anion. <i>Chemical Engineering and Technology</i> , 2018 , 41, 1604-1612	2	13
313	Imidazolium-Based Ionic Liquids Containing the Trifluoroacetate Anion: Thermodynamic Study. <i>Journal of Solution Chemistry</i> , 2018 , 47, 892-905	1.8	10
312	Comprehensive thermodynamic study of methylprednisolone. <i>Journal of Chemical Thermodynamics</i> , 2017 , 107, 37-41	2.9	7
311	Thermochemical Properties of Tunable Aryl Alkyl Ionic Liquids (TAAILs) based on Phenyl-1H-imidazoles. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017 , 643, 114-119	1.3	12
310	The Relation between Vaporization Enthalpies and Viscosities: Eyring [®] Theory Applied to Selected Ionic Liquids. <i>ChemPhysChem</i> , 2017 , 18, 1242-1246	3.2	9
309	Benchmarking thermochemical experiments and calculations of nitrogen-containing substituted adamantanes. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017 , 128, 1535-1546	4.1	7
308	Carbonate Based Ionic Liquid Synthesis (CBILS [®]): development of the continuous flow method for preparation of ultra-pure ionic liquids. <i>Reaction Chemistry and Engineering</i> , 2017 , 2, 432-436	4.9	11
307	Benchmark properties of 2-, 3- and 4-nitrotoluene: Evaluation of thermochemical data with complementary experimental and computational methods. <i>Journal of Chemical Thermodynamics</i> , 2017 , 111, 271-278	2.9	14
306	Thermochemical properties of different 1-(R-phenyl)-1H-imidazoles. <i>Fluid Phase Equilibria</i> , 2017 , 433, 40-49	2.5	8
305	Melting temperature and heat of fusion of cytosine revealed from fast scanning calorimetry. <i>Thermochimica Acta</i> , 2017 , 657, 47-55	2.9	35
304	Thermodynamics of imidazolium based ionic liquids with cyano containing anions. <i>Journal of Molecular Liquids</i> , 2017 , 248, 86-90	6	9
303	Thermodynamics of enzyme-catalyzed esterifications: II. Levulinic acid esterification with short-chain alcohols. <i>Applied Microbiology and Biotechnology</i> , 2017 , 101, 7509-7521	5.7	20
302	Alkyl-imidazolium tetrafluoroborates: Vapor pressure, thermodynamics of vaporization, and enthalpies of formation. <i>Journal of Molecular Liquids</i> , 2017 , 242, 951-957	6	18
301	Critical Evaluation of Thermodynamic Properties for Halobenzoic Acids Through Consistency Analyses for Results from Experiment and Computational Chemistry. <i>Journal of Physical and Chemical Reference Data</i> , 2017 , 46, 023105	4.3	10
300	Thermochemical Properties of Xanthine and Hypoxanthine Revisited. <i>Journal of Chemical & Engineering Data</i> , 2017 , 62, 2606-2609	2.8	7
299	Aliphatic nitroalkanes: Evaluation of thermochemical data with complementary experimental and computational methods. <i>Thermochimica Acta</i> , 2017 , 656, 151-160	2.9	10
298	Thermochemistry of Pyridinium Based Ionic Liquids with Tetrafluoroborate Anion. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017 , 643, 87-92	1.3	7
297	1,2,3-Trimethoxypropane: A Glycerol-Derived Physical Solvent for CO ₂ Absorption. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 911-921	8.3	19

296	Imidazolium Based Ionic Liquids: Impact of the Cation Symmetry and Alkyl Chain Length on the Enthalpy of Vaporization. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017 , 643, 81-86	1.3	8
295	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	3.9	24
294	Nicotinamides: Evaluation of thermochemical experimental properties. <i>Journal of Chemical Thermodynamics</i> , 2016 , 103, 69-75	2.9	10
293	Nearest-Neighbor and Non-Nearest-Neighbor Interactions between Substituents in the Benzene Ring. Experimental and Theoretical Study of Functionally Substituted Benzamides. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 9867-9877	2.8	17
292	Vapor pressure of ionic liquids at low temperatures from AC-chip-calorimetry. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 21381-90	3.6	38
291	Carbonate based ionic liquid synthesis (CBILS [□]): thermodynamic analysis. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 31904-31913	3.6	28
290	Benchmark Thermodynamic Properties of Methyl- and Methoxybenzamides: Comprehensive Experimental and Theoretical Study. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 8419-8429	2.8	25
289	Dispersion und Wasserstoffbrücken bestimmend □ Warum die Verdampfungsenthalpien von aprotischen größer als die von protischen ionischen Flüssigkeiten sind. <i>Angewandte Chemie</i> , 2016 , 128, 11856-11860	3.6	10
288	Six-membered ring aliphatic compounds: A search for regularities in phase transitions. <i>Thermochimica Acta</i> , 2016 , 638, 80-88	2.9	11
287	Thermodynamics of a model biological reaction: A comprehensive combined experimental and theoretical study. <i>Fluid Phase Equilibria</i> , 2016 , 422, 99-110	2.5	21
286	Vaporization, Sublimation Enthalpy, and Crystal Structures of Imidazo[1,2-a]pyrazine and Phthalazine. <i>Journal of Chemical & Engineering Data</i> , 2016 , 61, 370-379	2.8	5
285	Thermochemistry of halogenobenzoic acids as an access to PC-SAFT solubility modeling. <i>Fluid Phase Equilibria</i> , 2016 , 409, 399-407	2.5	20
284	Structure-property relationships in ionic liquids: Influence of branched and cyclic groups on vaporization enthalpies of imidazolium-based ILs. <i>Journal of Chemical Thermodynamics</i> , 2016 , 93, 151-156	2.9	19
283	Reliable Absolute Vapor Pressures of Extremely Low Volatile Compounds from Fast Scanning Calorimetry 2016 , 259-296		3
282	Thermodynamic Analysis of Isomerization Equilibria of Chlorotoluenes and Dichlorobenzenes in a Biphasic Reaction Systems Containing Highly Acidic Chloroaluminate Melts. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 13152-13160	3.4	
281	An Examination of the Phase Transition Thermodynamics of (S)- and (RS)-Naproxen as a Basis for the Design of Enantioselective Crystallization Processes. <i>Journal of Pharmaceutical Sciences</i> , 2016 , 105, 1676-1683	3.9	7
280	Adamantanes: Benchmarking of thermochemical properties. <i>Journal of Chemical Thermodynamics</i> , 2016 , 101, 130-138	2.9	16
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