

Michal Fulem

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5127571/publications.pdf>

Version: 2024-02-01

105
papers

2,179
citations

201385

27
h-index

288905

40
g-index

106
all docs

106
docs citations

106
times ranked

1618
citing authors

#	ARTICLE	IF	CITATIONS
1	New Static Apparatus and Vapor Pressure of Reference Materials: Naphthalene, Benzoic Acid, Benzophenone, and Ferrocene. <i>Journal of Chemical & Engineering Data</i> , 2006, 51, 757-766.	1.0	158
2	Bitumen and Heavy Oil Rheological Properties: Reconciliation with Viscosity Measurements. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 1389-1397.	1.0	97
3	Recommended Vapor Pressure of Solid Naphthalene. <i>Journal of Chemical & Engineering Data</i> , 2005, 50, 1956-1970.	1.0	90
4	Thermodynamic study of selected monoterpenes III. <i>Journal of Chemical Thermodynamics</i> , 2014, 79, 280-289.	1.0	58
5	Phase behaviour of Maya crude oil based on calorimetry and rheometry. <i>Fluid Phase Equilibria</i> , 2008, 272, 32-41.	1.4	55
6	Recommended vapor pressure and thermophysical data for ferrocene. <i>Journal of Chemical Thermodynamics</i> , 2013, 57, 530-540.	1.0	53
7	Evaluation of Accuracy of Ideal-Gas Heat Capacity and Entropy Calculations by Density Functional Theory (DFT) for Rigid Molecules. <i>Journal of Chemical & Engineering Data</i> , 2012, 57, 227-232.	1.0	52
8	Heat Capacities of Tetracene and Pentacene. <i>Journal of Chemical & Engineering Data</i> , 2008, 53, 2175-2181.	1.0	50
9	Thermodynamic Properties of Molecular Crystals Calculated within the Quasi-Harmonic Approximation. <i>Journal of Physical Chemistry A</i> , 2016, 120, 2022-2034.	1.1	48
10	State-of-the-Art Calculations of Sublimation Enthalpies for Selected Molecular Crystals and Their Computational Uncertainty. <i>Journal of Chemical Theory and Computation</i> , 2017, 13, 2840-2850.	2.3	48
11	Vapor pressure of selected aliphatic alcohols by ebulliometry. Part 1. <i>Fluid Phase Equilibria</i> , 2010, 298, 192-198.	1.4	43
12	Vapor Pressures and Thermophysical Properties of Ethylene Carbonate, Propylene Carbonate, γ -Valerolactone, and γ -Butyrolactone. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 4174-4186.	1.0	42
13	Heat capacities of alkanols. <i>Thermochimica Acta</i> , 2002, 382, 119-128.	1.2	41
14	Recommended vapor pressures for thiophene, sulfolane, and dimethyl sulfoxide. <i>Fluid Phase Equilibria</i> , 2011, 303, 205-216.	1.4	41
15	Thermodynamic study of selected monoterpenes II. <i>Journal of Chemical Thermodynamics</i> , 2014, 79, 272-279.	1.0	41
16	CCSD(T)/CBS fragment-based calculations of lattice energy of molecular crystals. <i>Journal of Chemical Physics</i> , 2016, 144, 064505.	1.2	41
17	Phase Behavior of Athabasca Bitumen. <i>Journal of Chemical & Engineering Data</i> , 2011, 56, 3242-3253.	1.0	39
18	Thermodynamic study of selected monoterpenes. <i>Journal of Chemical Thermodynamics</i> , 2013, 60, 117-125.	1.0	38

#	ARTICLE	IF	CITATIONS
19	Thermodynamic Properties of Selected Homologous Series of Ionic Liquids Calculated Using Molecular Dynamics. <i>Journal of Physical Chemistry B</i> , 2016, 120, 2362-2371.	1.2	37
20	Vapor Pressure of Selected Organic Iodides. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 4780-4784.	1.0	36
21	Reassembling and testing of a high-precision heat capacity drop calorimeter. Heat capacity of some polyphenyls at T= 298.15 K. <i>Journal of Chemical Thermodynamics</i> , 2011, 43, 1818-1823.	1.0	35
22	New Static Apparatus for Vapor Pressure Measurements: Reconciled Thermophysical Data for Benzophenone. <i>Journal of Chemical & Engineering Data</i> , 2016, 61, 3627-3639.	1.0	35
23	Polymorphism and thermophysical properties of l- and dl-menthol. <i>Journal of Chemical Thermodynamics</i> , 2019, 131, 524-543.	1.0	35
24	Rheological Properties of Nanofiltered Athabasca Bitumen and Maya Crude Oil. <i>Energy & Fuels</i> , 2009, 23, 5012-5021.	2.5	33
25	Evaluation of Uncertainty of Ideal-Gas Entropy and Heat Capacity Calculations by Density Functional Theory (DFT) for Molecules Containing Symmetrical Internal Rotors. <i>Journal of Chemical & Engineering Data</i> , 2013, 58, 1382-1390.	1.0	31
26	Phase behavior and heat capacities of the 1-benzyl-3-methylimidazolium ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2016, 100, 124-130.	1.0	29
27	A similarity variable for estimating the heat capacity of solid organic compounds. <i>Fluid Phase Equilibria</i> , 2008, 268, 134-141.	1.4	27
28	Indirect Determination of Vapor Pressures by Capillary Gas-Liquid Chromatography: Analysis of the Reference Vapor-Pressure Data and Their Treatment. <i>Journal of Chemical & Engineering Data</i> , 2012, 57, 1349-1368.	1.0	27
29	Vapor Pressures and Thermophysical Properties of Dimethyl Carbonate, Diethyl Carbonate, and Dipropyl Carbonate. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 3206-3215.	1.0	27
30	Solid-liquid equilibrium and heat capacity trend in the alkylimidazolium PF6 series. <i>Journal of Molecular Liquids</i> , 2017, 248, 678-687.	2.3	26
31	Liquid-Phase Mutual Diffusion Coefficients for Athabasca Bitumen + Pentane Mixtures. <i>Journal of Chemical & Engineering Data</i> , 2007, 52, 691-694.	1.0	25
32	Recommended sublimation pressure and enthalpy of benzene. <i>Journal of Chemical Thermodynamics</i> , 2014, 68, 40-47.	1.0	25
33	Vapour pressure and heat capacities of metal organic precursors, Y(thd)3 and Zr(thd)4. <i>Journal of Crystal Growth</i> , 2004, 264, 192-200.	0.7	23
34	First-principles calculation of ideal-gas thermodynamic properties of long-chain molecules by RISM approach—Application to n-alkanes. <i>Journal of Chemical Physics</i> , 2019, 150, 224101.	1.2	23
35	Heat Capacities of l-Alanine, l-Valine, l-Isoleucine, and l-Leucine: Experimental and Computational Study. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 1833-1849.	1.0	23
36	Vapour pressure measurement of metal organic precursors used for MOVPE. <i>Journal of Chemical Thermodynamics</i> , 2006, 38, 312-322.	1.0	22

#	ARTICLE	IF	CITATIONS
37	Vapor pressures and thermophysical properties of selected monoterpenoids. <i>Fluid Phase Equilibria</i> , 2015, 406, 124-133.	1.4	22
38	Physical stability of hydroxypropyl methylcellulose-based amorphous solid dispersions: Experimental and computational study. <i>International Journal of Pharmaceutics</i> , 2020, 589, 119845.	2.6	21
39	Intramolecularly Coordinated Stannanechalcogenones: X-ray Structure of [2,6-(Me ₂ NCH ₂) ₂ C ₆ H ₃](Ph)Sn•Te. <i>Organometallics</i> , 2011, 30, 5904-5910.	1.1	20
40	Vapor pressures and thermophysical properties of selected hexenols and recommended vapor pressure for hexan-1-ol. <i>Fluid Phase Equilibria</i> , 2015, 402, 18-29.	1.4	20
41	Thermodynamic study of alkane- $\hat{\pm}$ %-diamines â€“ Evidence of oddâ€“even pattern of sublimation properties. <i>Fluid Phase Equilibria</i> , 2014, 371, 93-105.	1.4	18
42	Cohesive properties of the crystalline phases of twenty proteinogenic $\hat{\pm}$ -aminoacids from first-principles calculations. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 18501-18515.	1.3	18
43	Evidence of an oddâ€“even effect on the thermodynamic parameters of odd fluorotelomer alcohols. <i>Journal of Chemical Thermodynamics</i> , 2012, 54, 171-178.	1.0	17
44	Reconciled thermophysical data for anthracene. <i>Journal of Chemical Thermodynamics</i> , 2019, 129, 61-72.	1.0	17
45	Vapor pressure and thermophysical properties of eugenol and (+)-carvone. <i>Fluid Phase Equilibria</i> , 2019, 499, 112248.	1.4	16
46	Heat capacities of some phthalate esters. <i>Magyar AprÃ³szemlÃ©nyek</i> , 2002, 70, 455-466.	1.4	15
47	Vapor pressure predictions of multi-functional oxygen-containing organic compounds with COSMO-RS. <i>Atmospheric Environment</i> , 2016, 133, 135-144.	1.9	15
48	Comparative Study of DSC-Based Protocols for APIâ€“Polymer Solubility Determination. <i>Molecular Pharmaceutics</i> , 2021, 18, 1742-1757.	2.3	15
49	Measurement of vapour pressure of In-based metalorganics for MOVPE. <i>Journal of Crystal Growth</i> , 2004, 272, 42-46.	0.7	14
50	Vapor pressure of germanium precursors. <i>Journal of Crystal Growth</i> , 2008, 310, 4720-4723.	0.7	14
51	Heat capacities of selected cycloalcohols. <i>Thermochimica Acta</i> , 2014, 596, 98-108.	1.2	14
52	Multi-scale analysis of amorphous solid dispersions prepared by freeze drying of ibuprofen loaded acrylic polymer nanoparticles. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 53, 101182.	1.4	13
53	Impact of Hot-Melt Extrusion Processing Conditions on Physicochemical Properties of Amorphous Solid Dispersions Containing Thermally Labile Acrylic Copolymer. <i>Journal of Pharmaceutical Sciences</i> , 2020, 109, 1008-1019.	1.6	13
54	Vapor Pressures and Thermophysical Properties of 1-Heptanol, 1-Octanol, 1-Nonanol, and 1-Decanol: Data Reconciliation and PC-SAFT Modeling. <i>Journal of Chemical & Engineering Data</i> , 2021, 66, 805-821.	1.0	13

#	ARTICLE	IF	CITATIONS
55	Vapor Pressure of Di-tert-butylsilane. <i>Journal of Chemical & Engineering Data</i> , 2005, 50, 1613-1615.	1.0	12
56	Recommended vapor pressures for aniline, nitromethane, 2-aminoethanol, and 1-methyl-2-pyrrolidone. <i>Fluid Phase Equilibria</i> , 2015, 406, 34-46.	1.4	12
57	Analysis of Uncertainty in the Calculation of Ideal-Gas Thermodynamic Properties Using the One-Dimensional Hindered Rotor (1-DHR) Model. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 445-455.	1.0	12
58	Ideal-gas thermodynamic properties of proteinogenic aliphatic amino acids calculated by RISM approach. <i>Journal of Chemical Physics</i> , 2019, 151, 144504.	1.2	12
59	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. <i>Journal of Chemical Thermodynamics</i> , 2020, 142, 105964.	1.0	12
60	Thermodynamic Properties of Three Pyridine Carboxylic Acid Methyl Ester Isomers. <i>Journal of Chemical & Engineering Data</i> , 2007, 52, 580-585.	1.0	11
61	Deep-Vacuum Fractionation of Heavy Oil and Bitumen, Part II: Interconversion Method. <i>Energy & Fuels</i> , 2014, 28, 2866-2873.	2.5	11
62	Recommended vapor pressures for acenaphthylene, fluoranthene, and fluorene. <i>Fluid Phase Equilibria</i> , 2017, 434, 74-86.	1.4	11
63	Vapor pressures and thermophysical properties of selected ethanolamines. <i>Fluid Phase Equilibria</i> , 2018, 473, 245-254.	1.4	11
64	Heat Capacities of L-Histidine, L-Phenylalanine, L-Proline, L-Tryptophan and L-Tyrosine. <i>Molecules</i> , 2021, 26, 4298.	1.7	11
65	Vapor pressure, heat capacities, and phase transitions of tetrakis(tert-butoxy)hafnium. <i>Fluid Phase Equilibria</i> , 2011, 311, 25-29.	1.4	10
66	Infrared spectroscopy of the symmetric branched isomers of n-heptanol. <i>Journal of Molecular Liquids</i> , 2017, 244, 528-532.	2.3	10
67	Probing the Accuracy of First-Principles Modeling of Molecular Crystals: Calculation of Sublimation Pressures. <i>Crystal Growth and Design</i> , 2019, 19, 808-820.	1.4	10
68	Thermodynamic study of selected monoterpenes IV. <i>Journal of Chemical Thermodynamics</i> , 2020, 144, 106013.	1.0	10
69	Heat capacities of selected active pharmaceutical ingredients. <i>Journal of Chemical Thermodynamics</i> , 2021, 163, 106585.	1.0	10
70	Heat capacities of alkanols. <i>Thermochimica Acta</i> , 2004, 421, 35-41.	1.2	9
71	Thermodynamic study of acetamides. <i>Journal of Molecular Liquids</i> , 2020, 319, 114019.	2.3	9
72	Calorimetric and FTIR study of selected aliphatic heptanols. <i>Fluid Phase Equilibria</i> , 2016, 423, 43-54.	1.4	8

#	ARTICLE	IF	CITATIONS
73	Effect of Isomerism on the Liquid-Liquid Phase Behavior of Mixtures of 1-Alkyl-3-methylimidazolium Bis((trifluoromethyl)sulfonyl)amide Ionic Liquids with Heptanol. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 2395-2405.	1.0	8
74	Glucose-modified carbosilane dendrimers: Interaction with model membranes and human serum albumin. <i>International Journal of Pharmaceutics</i> , 2020, 579, 119138.	2.6	8
75	Structure and Glass Transition Temperature of Amorphous Dispersions of Model Pharmaceuticals with Nucleobases from Molecular Dynamics. <i>Pharmaceutics</i> , 2021, 13, 1253.	2.0	8
76	Vapor Pressures of Solid and Liquid Xanthene and Phenoxathiin from Effusion and Static Studies. <i>Journal of Chemical & Engineering Data</i> , 2008, 53, 1922-1926.	1.0	7
77	Vapor pressure of selected aliphatic alcohols by ebulliometry. Part 2. <i>Fluid Phase Equilibria</i> , 2010, 298, 199-205.	1.4	7
78	Single-Crystal-to-Single-Crystal Transition in an Enantiopure [7]Helquat Salt: The First Observation of a Reversible Phase Transition in a Helicene-Like Compound. <i>Chemistry - A European Journal</i> , 2015, 21, 13508-13512.	1.7	7
79	Extracting Vapor Pressure Data from GLC Retention Times. Part 1: Analysis of Single Reference Approach. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 3542-3550.	1.0	7
80	Calorimetric and FTIR study of selected aliphatic octanols. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 134, 2157-2170.	2.0	7
81	Ball milling and hot-melt extrusion of indomethacin-l-arginine-vinylpyrrolidone-vinyl acetate copolymer: Solid-state properties and dissolution performance. <i>International Journal of Pharmaceutics</i> , 2022, 613, 121424.	2.6	7
82	Heat capacities of 2-propenol and selected cyclohexylalcohols. <i>Thermochimica Acta</i> , 2014, 587, 67-71.	1.2	6
83	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. <i>Journal of Chemical & Engineering Data</i> , 2021, 66, 2640-2654.	1.0	6
84	Vapor pressures of dimethylcadmium, trimethylbismuth, and tris(dimethylamino)antimony. <i>Fluid Phase Equilibria</i> , 2013, 360, 106-110.	1.4	5
85	Vapor pressure and thermal properties of heavy oil distillation cuts. <i>Fuel</i> , 2016, 181, 503-521.	3.4	5
86	Phosphonium carbosilane dendrimers interaction with a simple biological membrane model. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 14753-14764.	1.3	5
87	Estimating Vapor Pressure Data from Gas-Liquid Chromatography Retention Times: Analysis of Multiple Reference Approaches, Review of Prior Applications, and Outlook. <i>Journal of Chemical & Engineering Data</i> , 2022, 67, 2017-2043.	1.0	5
88	Vapor Pressure of Trimethylantimony and <i>tert</i> -Butyldimethylantimony. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 362-365.	1.0	4
89	Vapor Pressure of Tetrakis(dimethylamino)germanium. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 4095-4097.	1.0	4
90	An environmentally benign methodology to elaborating polymer nanocomposites with tunable properties using core-shell nanoparticles and cellulose nanocrystals. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 553, 169-179.	2.3	4

#	ARTICLE	IF	CITATIONS
91	Heat Capacities of L-Arginine, L-Aspartic Acid, L-Glutamic Acid, L-Glutamine, and L-Asparagine. International Journal of Thermophysics, 2021, 42, 1.	1.0	4
92	Comparison between two multicomponent drug delivery systems based on PEGylated-poly (L-lactide-co-glycolide) and superparamagnetic nanoparticles: Nanoparticulate versus nanocluster systems. Journal of Drug Delivery Science and Technology, 2021, 64, 102643.	1.4	4
93	API solubility in semi-crystalline polymer: Kinetic and thermodynamic phase behavior of PVA-based solid dispersions. International Journal of Pharmaceutics, 2022, 623, 121855.	2.6	4
94	Organohydridosilanes containing Y,C,Y-chelating ligands: Reactivity and vapour pressure studies. Journal of Organometallic Chemistry, 2014, 772-773, 1-6.	0.8	3
95	Extracting Vapor Pressure Data from Gas-Liquid Chromatography Retention Times. Part 2: Analysis of Double Reference Approach. Journal of Chemical & Engineering Data, 2018, , .	1.0	3
96	Heat capacities of selected chlorohydrocarbons. Fluid Phase Equilibria, 2012, 336, 128-136.	1.4	2
97	Vapor Pressure of 4-Ethylmorpholine Revisited: Thermodynamically Consistent Vapor Pressure Equation. Journal of Chemical & Engineering Data, 2019, 64, 1605-1610.	1.0	2
98	A combined thermodynamic and crystallographic study of 1,3-diisopropyl-naphthalene. Journal of Chemical Thermodynamics, 2020, 150, 106193.	1.0	2
99	Vapor pressure and thermophysical properties of explosive taggants. Chemical Thermodynamics and Thermal Analysis, 2021, 3-4, 100020.	0.7	2
100	Heat Capacity and Phase Behavior of Selected Oligo(ethylene glycol)s. Journal of Chemical & Engineering Data, 2019, 64, 2742-2749.	1.0	1
101	Regression against Temperature of Gas-Liquid Chromatography Retention Factors. Van't Hoff Analysis. Journal of Chemical & Engineering Data, 2020, 65, 3109-3120.	1.0	1
102	CHAPTER 17. Calculation of Thermodynamic Functions from Volumetric Properties. , 2014, , 476-492.		0
103	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.	1.0	0
104	Corrigendum to "Vapor pressure and thermal properties of heavy oil distillation cuts" [Fuel 181 (2016) 503-521]. Fuel, 2018, 227, 345.	3.4	0
105	Polymorphism of anhydrous oxalic acid unravelled. Journal of Chemical Thermodynamics, 2021, 160, 106488.	1.0	0