

Michal Fulem

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.

102
papers

1,654
citations

24
h-index

35
g-index

106
ext. papers

1,946
ext. citations

3.3
avg, IF

4.95
L-index

#	Paper	IF	Citations
102	API solubility in semi-crystalline polymer: Kinetic and thermodynamic phase behavior of PVA-based solid dispersions. <i>International Journal of Pharmaceutics</i> , 2022 , 121855	6.5	1
101	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> , 2021 , 613, 121424	6.5	2
100	Vapor pressure and thermophysical properties of explosive taggants. <i>Chemical Thermodynamics and Thermal Analysis</i> , 2021 , 3-4, 100020		1
99	Comparative Study of DSC-Based Protocols for API-Polymer Solubility Determination. <i>Molecular Pharmaceutics</i> , 2021 , 18, 1742-1757	5.6	4
98	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	2.8	2
97	Heat Capacities of l-Histidine, l-Phenylalanine, l-Proline, l-Tryptophan and l-Tyrosine. <i>Molecules</i> , 2021 , 26,	4.8	3
96	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	2.8	4
95	Heat Capacities of l-Arginine, l-Aspartic Acid, l-Glutamic Acid, l-Glutamine, and l-Asparagine. <i>International Journal of Thermophysics</i> , 2021 , 42, 1	2.1	0
94	Comparison between two multicomponent drug delivery systems based on PEGylated-poly (l-lactide-co-glycolide) and superparamagnetic nanoparticles: Nanoparticulate versus nanocluster systems. <i>Journal of Drug Delivery Science and Technology</i> , 2021 , 64, 102643	4.5	1
93	Polymorphism of anhydrous oxalic acid unravelled. <i>Journal of Chemical Thermodynamics</i> , 2021 , 160, 106488	4.8	1
92	Heat capacities of selected active pharmaceutical ingredients. <i>Journal of Chemical Thermodynamics</i> , 2021 , 163, 106585	2.9	4
91	A combined thermodynamic and crystallographic study of 1,3-diisopropyl naphthalene. <i>Journal of Chemical Thermodynamics</i> , 2020 , 150, 106193	2.9	2
90	Regression against Temperature of Gas/Liquid Chromatography Retention Factors. Van Hoff Analysis. <i>Journal of Chemical & Engineering Data</i> , 2020 , 65, 3109-3120	2.8	0
89	Glucose-modified carbosilane dendrimers: Interaction with model membranes and human serum albumin. <i>International Journal of Pharmaceutics</i> , 2020 , 579, 119138	6.5	2
88	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	2.8	14
87	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	2.9	3
86	Thermodynamic study of selected monoterpenes IV. <i>Journal of Chemical Thermodynamics</i> , 2020 , 144, 106013	2.9	8

85	Thermodynamic study of acetamides. <i>Journal of Molecular Liquids</i> , 2020 , 319, 114019	6	4
84	Physical stability of hydroxypropyl methylcellulose-based amorphous solid dispersions: Experimental and computational study. <i>International Journal of Pharmaceutics</i> , 2020 , 589, 119845	6.5	12
83	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	3.9	9
82	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	4.5	8
81	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	2.8	6
80	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	3.9	16
79	Heat Capacity and Phase Behavior of Selected Oligo(ethylene glycol)s. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 2742-2749	2.8	1
78	Vapor Pressure of 4-Ethylmorpholine Revisited: Thermodynamically Consistent Vapor Pressure Equation. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 1605-1610	2.8	2
77	Cohesive properties of the crystalline phases of twenty proteinogenic amino acids from first-principles calculations. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 18501-18515	3.6	11
76	Vapor pressure and thermophysical properties of eugenol and (+)-carvone. <i>Fluid Phase Equilibria</i> , 2019 , 499, 112248	2.5	13
75	Ideal-gas thermodynamic properties of proteinogenic aliphatic amino acids calculated by RISM approach. <i>Journal of Chemical Physics</i> , 2019 , 151, 144504	3.9	10
74	Probing the Accuracy of First-Principles Modeling of Molecular Crystals: Calculation of Sublimation Pressures. <i>Crystal Growth and Design</i> , 2019 , 19, 808-820	3.5	5
73	Polymorphism and thermophysical properties of L- and DL-menthol. <i>Journal of Chemical Thermodynamics</i> , 2019 , 131,	2.9	21
72	Reconciled thermophysical data for anthracene. <i>Journal of Chemical Thermodynamics</i> , 2019 , 129, 61-72	2.9	9
71	Vapor pressures and thermophysical properties of selected ethanolamines. <i>Fluid Phase Equilibria</i> , 2018 , 473, 245-254	2.5	7
70	Calorimetric and FTIR study of selected aliphatic octanols. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018 , 134, 2157-2170	4.1	4
69	Extracting Vapor Pressure Data from Gas-Liquid Chromatography Retention Times. Part 2: Analysis of Double Reference Approach. <i>Journal of Chemical & Engineering Data</i> , 2018 ,	2.8	2
68	Phosphonium carbosilane dendrimers - interaction with a simple biological membrane model. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 14753-14764	3.6	4

67	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	5.1	3
66	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	6.4	31
65	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	2.8	9
64	Recommended vapor pressures for acenaphthylene, fluoranthene, and fluorene. <i>Fluid Phase Equilibria</i> , 2017 , 434, 74-86	2.5	8
63	Solid-liquid equilibrium and heat capacity trend in the alkyimidazolium PF6 series. <i>Journal of Molecular Liquids</i> , 2017 , 248, 678-687	6	15
62	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	2.8	5
61	Infrared spectroscopy of the symmetric branched isomers of n-heptanol. <i>Journal of Molecular Liquids</i> , 2017 , 244, 528-532	6	7
60	Vapor Pressures and Thermophysical Properties of Dimethyl Carbonate, Diethyl Carbonate, and Dipropyl Carbonate. <i>Journal of Chemical & Engineering Data</i> , 2017 , 62, 3206-3215	2.8	18
59	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	2.8	27
58	New Static Apparatus for Vapor Pressure Measurements: Reconciled Thermophysical Data for Benzophenone. <i>Journal of Chemical & Engineering Data</i> , 2016 , 61, 3627-3639	2.8	20
57	Vapor pressure and thermal properties of heavy oil distillation cuts. <i>Fuel</i> , 2016 , 181, 503-521	7.1	2
56	Calorimetric and FTIR study of selected aliphatic heptanols. <i>Fluid Phase Equilibria</i> , 2016 , 423, 43-54	2.5	7
55	Thermodynamic Properties of Selected Homologous Series of Ionic Liquids Calculated Using Molecular Dynamics. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 2362-71	3.4	33
54	Thermodynamic Properties of Molecular Crystals Calculated within the Quasi-Harmonic Approximation. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 2022-34	2.8	33
53	CCSD(T)/CBS fragment-based calculations of lattice energy of molecular crystals. <i>Journal of Chemical Physics</i> , 2016 , 144, 064505	3.9	30
52	Phase behavior and heat capacities of the 1-benzyl-3-methylimidazolium ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2016 , 100, 124-130	2.9	23
51	Vapor pressure predictions of multi-functional oxygen-containing organic compounds with COSMO-RS. <i>Atmospheric Environment</i> , 2016 , 133, 135-144	5.3	9
50	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	2.5	17

49	Recommended vapor pressures for aniline, nitromethane, 2-aminoethanol, and 1-methyl-2-pyrrolidone. <i>Fluid Phase Equilibria</i> , 2015 , 406, 34-46	2.5	9
48	Vapor pressures and thermophysical properties of selected monoterpenoids. <i>Fluid Phase Equilibria</i> , 2015 , 406, 124-133	2.5	17
47	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, 13508-12	4.8	5
46	Recommended sublimation pressure and enthalpy of benzene. <i>Journal of Chemical Thermodynamics</i> , 2014 , 68, 40-47	2.9	16
45	Deep-Vacuum Fractionation of Heavy Oil and Bitumen, Part II: Interconversion Method. <i>Energy & Fuels</i> , 2014 , 28, 2866-2873	4.1	11
44	Heat capacities of 2-propenol and selected cyclohexylalcohols. <i>Thermochimica Acta</i> , 2014 , 587, 67-71	2.9	5
43	Vapor Pressures of (3-(Dimethylamino)propyl)dimethylindium, (tert-Butylimino)bis(diethylamino)cyclopentadienyltantalum, and (tert-Butylimino)tris(ethylmethylamino)tantalum. <i>Journal of Chemical & Engineering Data</i> , 2014 , 59, 4179-4183	2.8	
42	Heat capacities of selected cycloalcohols. <i>Thermochimica Acta</i> , 2014 , 596, 98-108	2.9	13
41	Organohydridosilanes containing Y,C,Y-chelating ligands: Reactivity and vapour pressure studies. <i>Journal of Organometallic Chemistry</i> , 2014 , 772-773, 1-6	2.3	3
40	Thermodynamic study of selected monoterpenes III. <i>Journal of Chemical Thermodynamics</i> , 2014 , 79, 280-289	2.9	41
39	Thermodynamic study of selected monoterpenes II. <i>Journal of Chemical Thermodynamics</i> , 2014 , 79, 272-279	2.9	32
38	CHAPTER 17. Calculation of Thermodynamic Functions from Volumetric Properties 2014 , 476-492		
37	Thermodynamic study of alkane- μ -diamines I: Evidence of odd-even pattern of sublimation properties. <i>Fluid Phase Equilibria</i> , 2014 , 371, 93-105	2.5	15
36	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	2.8	22
35	Vapor pressures of dimethylcadmium, trimethylbismuth, and tris(dimethylamino)antimony. <i>Fluid Phase Equilibria</i> , 2013 , 360, 106-110	2.5	4
34	Thermodynamic study of selected monoterpenes. <i>Journal of Chemical Thermodynamics</i> , 2013 , 60, 117-125	2.9	28
33	Recommended vapor pressure and thermophysical data for ferrocene. <i>Journal of Chemical Thermodynamics</i> , 2013 , 57, 530-540	2.9	40
32	Heat capacities of selected chlorohydrocarbons. <i>Fluid Phase Equilibria</i> , 2012 , 336, 128-136	2.5	1

31	Evidence of an odd-even effect on the thermodynamic parameters of odd fluorotelomer alcohols. <i>Journal of Chemical Thermodynamics</i> , 2012 , 54, 171-178	2.9	14
30	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	2.8	32
29	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	2.8	24
28	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	2.9	27
27	Vapor pressure, heat capacities, and phase transitions of tetrakis(tert-butoxy)hafnium. <i>Fluid Phase Equilibria</i> , 2011 , 311, 25-29	2.5	9
26	Recommended vapor pressures for thiophene, sulfolane, and dimethyl sulfoxide. <i>Fluid Phase Equilibria</i> , 2011 , 303, 205-216	2.5	38
25	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	3.8	15
24	Phase Behavior of Athabasca Bitumen. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 3242-3253	2.8	37
23	Vapor Pressure of Trimethylantimony and tert-Butyldimethylantimony. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 362-365	2.8	4
22	Vapor Pressure of Selected Organic Iodides. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 4780-4884	2.8	29
21	Bitumen and Heavy Oil Rheological Properties: Reconciliation with Viscosity Measurements. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 1389-1397	2.8	82
20	Vapor Pressure of Tetrakis(dimethylamino)germanium. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 4095-4097	2.8	4
19	Vapor pressure of selected aliphatic alcohols by ebulliometry. Part 1. <i>Fluid Phase Equilibria</i> , 2010 , 298, 192-198	2.5	37
18	Vapor pressure of selected aliphatic alcohols by ebulliometry. Part 2. <i>Fluid Phase Equilibria</i> , 2010 , 298, 199-205	2.5	7
17	Rheological Properties of Nanofiltered Athabasca Bitumen and Maya Crude Oil. <i>Energy & Fuels</i> , 2009 , 23, 5012-5021	4.1	32
16	Heat Capacities of Tetracene and Pentacene. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 2175-2181	2.8	40
15	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	2.8	7
14	A similarity variable for estimating the heat capacity of solid organic compounds: Part II. Application: Heat capacity calculation for ill-defined organic solids. <i>Fluid Phase Equilibria</i> , 2008 , 268, 134-141	2.5	24

13	Vapor pressure of germanium precursors. <i>Journal of Crystal Growth</i> , 2008 , 310, 4720-4723	1.6	13
12	Phase behaviour of Maya crude oil based on calorimetry and rheometry. <i>Fluid Phase Equilibria</i> , 2008 , 272, 32-41	2.5	48
11	Thermodynamic Properties of Three Pyridine Carboxylic Acid Methyl Ester Isomers. <i>Journal of Chemical & Engineering Data</i> , 2007 , 52, 580-585	2.8	8
10	Liquid-Phase Mutual Diffusion Coefficients for Athabasca Bitumen + Pentane Mixtures. <i>Journal of Chemical & Engineering Data</i> , 2007 , 52, 691-694	2.8	22
9	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	2.8	139
8	Vapour pressure measurement of metal organic precursors used for MOVPE. <i>Journal of Chemical Thermodynamics</i> , 2006 , 38, 312-322	2.9	20
7	Vapor Pressure of Di-tert-butylsilane. <i>Journal of Chemical & Engineering Data</i> , 2005 , 50, 1613-1615	2.8	11
6	Recommended Vapor Pressure of Solid Naphthalene. <i>Journal of Chemical & Engineering Data</i> , 2005 , 50, 1956-1970	2.8	80
5	Heat capacities of alkanols: III. Some 1-alkanols from C10 to C20. <i>Thermochimica Acta</i> , 2004 , 421, 35-41	2.9	9
4	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	1.6	22
3	Measurement of vapour pressure of In-based metalorganics for MOVPE. <i>Journal of Crystal Growth</i> , 2004 , 272, 42-46	1.6	14
2	Heat capacities of alkanols. <i>Thermochimica Acta</i> , 2002 , 382, 119-128	2.9	37
1	Heat capacities of some phthalate esters. <i>Magyar Árvad Kémények</i> , 2002 , 70, 455-466	0	14