German L Perlovich

List of Publications by Citations

226 papers	3,702 citations	31 h-index	47 g-index
233 ext. papers	4,190 ext. citations	3.6 avg, IF	5.95 L-index

#	Paper	IF	Citations
226	Thermodynamics of solutions III: comparison of the solvation of (+)-naproxen with other NSAIDs. *European Journal of Pharmaceutics and Biopharmaceutics*, **2004**, 57, 411-20	5.7	200
225	The Polymorphism of Glycine. Thermochemical and structural aspects. *Magyar Apr□ad K□zlem□nyek*, **2001**, 66, 699-715	0	171
224	Thermodynamics of solutions. II. Flurbiprofen and diflunisal as models for studying solvation of drug substances. *European Journal of Pharmaceutical Sciences*, **2003**, 19, 423-32	5.1	128
223	The Vapour Pressure and the Enthalpy of Sublimation: Determination by inert gas flow method. *Magyar Apr□ad K□zlem□nyek*, **1999**, 57, 225-234	0	104
222	Thermodynamics of sublimation, crystal lattice energies, and crystal structures of racemates and enantiomers: (+)- and (+/-)-ibuprofen. *Journal of Pharmaceutical Sciences*, **2004**, 93, 654-66	3.9	74
221	Thermodynamic characteristics of cocrystal formation and melting points for rational design of pharmaceutical two-component systems. *CrystEngComm*, **2015**, 17, 7019-7028	3.3	68
220	Towards an understanding of the molecular mechanism of solvation of drug molecules: a thermodynamic approach by crystal lattice energy, sublimation, and solubility exemplified by paracetamol, acetanilide, and phenacetin. *Journal of Pharmaceutical Sciences*, **2006**, 95, 2158-69	3.9	67
219	N-(2-Chlorophenyl)benzenesulfonamide. *Acta Crystallographica Section E: Structure Reports Online*, **2006**, 62, o780-o782		66
218	Pharmaceutical cocrystals of diflunisal and diclofenac with theophylline. *Molecular Pharmaceutics*, **2014**, 11, 3707-15	5.6	62
217	Solvation of drugs as a key for understanding partitioning and passive transport exemplified by NSAIDs. *Current Drug Delivery*, **2004**, 1, 213-26	3.2	50
216	Salicylamide cocrystals: screening, crystal structure, sublimation thermodynamics, dissolution, and solid-state DFT calculations. *Journal of Physical Chemistry B*, **2014**, 118, 6803-14	3.4	49
215	Thermodynamics of solubility, sublimation and solvation processes of parabens. *European Journal of Pharmaceutical Sciences*, **2005**, 24, 25-33	5.1	49
214	Thermodynamic and Structural Aspects of Some Fenamate Molecular Crystals. *Crystal Growth and Design*, **2009**, 9, 3265-3272	3.5	46
213	Polymorphism of paracetamol. *Journal of Thermal Analysis and Calorimetry*, **2007**, 89, 767-774	4.1	46
212	Pharmaceutical salts of ciprofloxacin with dicarboxylic acids. *European Journal of Pharmaceutical Sciences*, **2015**, 77, 112-21	5.1	44
211	Crystallization and Polymorphism of Felodipine. *Crystal Growth and Design*, **2012**, 12, 4022-4030	3.5	44
210	Solubility, lipophilicity and membrane permeability of some fluoroquinolone antimicrobials. *European Journal of Pharmaceutical Sciences*, **2016**, 93, 29-37	5.1	43

209	Cocrystal screening of hydroxybenzamides with benzoic acid derivatives: a comparative study of thermal and solution-based methods. *European Journal of Pharmaceutical Sciences*, **2014**, 65, 56-64	5.1	41
208	Sulfonamide Molecular Crystals: Structure, Sublimation Thermodynamic Characteristics, Molecular Packing, Hydrogen Bonds Networks. *Crystal Growth and Design*, **2013**, 13, 4002-4016	3.5	41
207	Solvation and hydration characteristics of ibuprofen and acetylsalicylic acid. *AAPS PharmSci*, **2004**, 6, E3		41
206	Novel 1,2,4-thiadiazole derivatives as potent neuroprotectors: approach to creation of bioavailable drugs. *Molecular Pharmaceutics*, **2012**, 9, 2156-67	5.6	40
205	Sulfonamides as a subject to study molecular interactions in crystals and solutions: sublimation, solubility, solvation, distribution and crystal structure. *International Journal of Pharmaceutics*, **2008**, 349, 300-13	6.5	39
204	Sublimation of Molecular Crystals: Prediction of Sublimation Functions on the Basis of HYBOT Physicochemical Descriptors and Structural Clusterization. *Crystal Growth and Design*, **2010**, 10, 2707-2712	3.5	37
203	Partial molar volumes of some drug and pro-drug substances in 1-octanol at T=298.15K. *Journal of Chemical Thermodynamics*, **2010**, 42, 429-435	2.9	37
202	Novel drug–drug cocrystals of carbamazepine with para-aminosalicylic acid: screening, crystal structures and comparative study of carbamazepine cocrystal formation thermodynamics. *CrystEngComm*, **2017**, 19, 4273-4286	3.3	35
201	Two-component molecular crystals: evaluation of the formation thermodynamics based on melting points and sublimation data. *CrystEngComm*, **2017**, 19, 2870-2883	3.3	34
200	Drug-drug cocrystals of antituberculous 4-aminosalicylic acid: Screening, crystal structures, thermochemical and solubility studies. *European Journal of Pharmaceutical Sciences*, **2017**, 99, 228-239	5.1	34
199	Cocrystals of the antiandrogenic drug bicalutamide: screening, crystal structures, formation thermodynamics and lattice energies. *CrystEngComm*, **2016**, 18, 4818-4829	3.3	33
198	Sulfonamide Molecular Crystals: Thermodynamic and Structural Aspects. *Crystal Growth and Design*, **2011**, 11, 1067-1081	3.5	32
197	Thermodynamics of solutions I: benzoic acid and acetylsalicylic acid as models for drug substances and the prediction of solubility. *Pharmaceutical Research*, **2003**, 20, 471-8	4.5	32
196	Thermodynamics of solutions IV: Solvation of ketoprofen in comparison with other NSAIDs. *Journal of Pharmaceutical Sciences*, **2003**, 92, 2502-11	3.9	32
195	Influence of Secondary Interactions on the Structure, Sublimation Thermodynamics, and Solubility of Salicylate:4-Hydroxybenzamide Cocrystals. Combined Experimental and Theoretical Study. *Journal of Physical Chemistry B*, **2015**, 119, 10466-77	3.4	31
194	Thermodynamic properties of flufenamic and niflumic acids--specific and non-specific interactions in solution and in crystal lattices, mechanism of solvation, partitioning and distribution. *Journal of Pharmaceutical and Biomedical Analysis*, **2007**, 45, 679-87	3.5	31
193	Energetic aspects of diclofenac acid in crystal modifications and in solutions--mechanism of solvation, partitioning and distribution. *Journal of Pharmaceutical Sciences*, **2007**, 96, 1031-42	3.9	30
192	Fenamate Cocrystals with 4,4?-Bipyridine: Structural and Thermodynamic Aspects. *Crystal Growth and Design*, **2015**, 15, 228-238	3.5	27

191	Weak Interactions Cause Packing Polymorphism in Pharmaceutical Two-Component Crystals. The Case Study of the Salicylamide Cocrystal. *Crystal Growth and Design*, **2017**, 17, 1425-1437	3.5	26
190	Thermodynamic and structural study of tolfenamic acid polymorphs. *Journal of Pharmaceutical and Biomedical Analysis*, **2009**, 50, 831-40	3.5	26
189	Driving forces and the influence of the buffer composition on the complexation reaction between ibuprofen and HPCD. *European Journal of Pharmaceutical Sciences*, **2003**, 20, 197-200	5.1	26
188	Thermodynamics of porphyrin sublimation. *Journal of Porphyrins and Phthalocyanines*, **2000**, 04, 699-706	1.8	26
187	Cocrystal formation, crystal structure, solubility and permeability studies for novel 1,2,4-thiadiazole derivative as a potent neuroprotector. *European Journal of Pharmaceutical Sciences*, **2017**, 109, 31-39	5.1	25
186	Thermodynamic and structural aspects of sulfonamide crystals and solutions. *Journal of Pharmaceutical Sciences*, **2009**, 98, 4738-55	3.9	25
185	Towards an understanding of the molecular mechanism of solvation of drug molecules: a thermodynamic approach by crystal lattice energy, sublimation, and solubility exemplified by hydroxybenzoic acids. *Journal of Pharmaceutical Sciences*, **2006**, 95, 1448-58	3.9	24
184	New Solid Forms of the Antiviral Drug Arbidol: Crystal Structures, Thermodynamic Stability, and Solubility. *Molecular Pharmaceutics*, **2015**, 12, 4154-65	5.6	23
183	Saccharin salts of biologically active hydrazone derivatives. *New Journal of Chemistry*, **2015**, 39, 8614-8622	3.3	23
182	Polymorphism and solvatomorphism of bicalutamide. *Journal of Thermal Analysis and Calorimetry*, **2013**, 111, 655-662	4.1	23
181	Towards the rational design of novel drugs based on solubility, partitioning/distribution, biomimetic permeability and biological activity exemplified by 1,2,4-thiadiazole derivatives. *MedChemComm*, **2017**, 8, 162-175	5	23
180	Aqueous Solubilities, Infinite Dilution Activity Coefficients and Octanol–Water Partition Coefficients of Tricyclic Analogs of Acyclovir. *Journal of Solution Chemistry*, **1999**, 28, 731-745	1.8	23
179	Volumetric properties of tetraphenylporphine, their metallo-complexes and some substituted tetraphenylporphines in benzene solution. *Journal of Solution Chemistry*, **1996**, 25, 135-153	1.8	23
178	Polymorphism of felodipine co-crystals with 4,4?-bipyridine. *CrystEngComm*, **2014**, 16, 6603-6611	3.3	22
177	Sublimation thermodynamics of four fluoroquinolone antimicrobial compounds. *Journal of Chemical Thermodynamics*, **2017**, 105, 37-43	2.9	22
176	Extent and mechanism of solvation and partitioning of isomers of substituted benzoic acids: a thermodynamic study in the solid state and in solution. *Journal of Pharmaceutical Sciences*, **2008**, 97, 3883-96	3.9	22
175	Influence of position and size of substituents on the mechanism of partitioning: a thermodynamic study on acetaminophens, hydroxybenzoic acids, and parabens. *AAPS PharmSciTech*, **2008**, 9, 205-16	3.9	22
174	Inclusion complex formation of □and □cyclodextrins with riboflavin and alloxazine in aqueous solution: thermodynamic study. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, **2011**, 69, 167-172		21

173	Novel isothiourea derivatives as potent neuroprotectors and cognition enhancers: synthesis, biological and physicochemical properties. *Journal of Medicinal Chemistry*, **2009**, 52, 1845-52	8.3	21
172	The difference between partitioning and distribution from a thermodynamic point of view: NSAIDs as an example. *European Journal of Pharmaceutical Sciences*, **2006**, 27, 150-7	5.1	21
171	Specific features of supramolecular organisation and hydrogen bonding in proline cocrystals: a case study of fenamates and diclofenac. *CrystEngComm*, **2018**, 20, 6970-6981	3.3	21
170	Formation Thermodynamics of Two-Component Molecular Crystals: Polymorphism, Stoichiometry, and Impact of Enantiomers. *Crystal Growth and Design*, **2020**, 20, 5526-5537	3.5	20
169	Vapor pressure and sublimation thermodynamics of aminobenzoic acid, nicotinic acid, and related amido-derivatives. *Journal of Thermal Analysis and Calorimetry*, **2016**, 123, 841-849	4.1	20
168	Thermodynamic aspects of solubility and partitioning processes of some sulfonamides in the solvents modeling biological media. *Journal of Chemical Thermodynamics*, **2014**, 69, 56-65	2.9	20
167	Acetamidobenzoic acid isomers: Studying sublimation and fusion processes and their relation with crystal structures. *Thermochimica Acta*, **2014**, 583, 72-77	2.9	20
166	Thermodynamic study of sublimation, solubility, solvation, and distribution processes of atenolol and pindolol. *Molecular Pharmaceutics*, **2007**, 4, 929-35	5.6	20
165	Three Polymorphic Forms of Ciprofloxacin Maleate: Formation Pathways, Crystal Structures, Calculations, and Thermodynamic Stability Aspects. *Crystal Growth and Design*, **2016**, 16, 6556-6567	3.5	20
164	Synthesis, pharmacology, crystal properties, and quantitative solvation studies from a drug transport perspective for three new 1,2,4-thiadiazoles. *Journal of Pharmaceutical Sciences*, **2010**, 99, 3754-68	3.9	19
163	Studying thermodynamic aspects of sublimation, solubility and solvation processes and crystal structure analysis of some sulfonamides. *International Journal of Pharmaceutics*, **2007**, 334, 115-24	6.5	19
162	Interrelation between thermochemical and structural data of polymorphs exemplified by diflunisal. *Journal of Pharmaceutical Sciences*, **2002**, 91, 1036-45	3.9	19
161	Two-component molecular crystals: relationship between the entropy term and the molecular volume of co-crystal formation. *CrystEngComm*, **2018**, 20, 3634-3637	3.3	19
160	Synthesis, biological activity, distribution and membrane permeability of novel spiro-thiazines as potent neuroprotectors. *European Journal of Medicinal Chemistry*, **2014**, 77, 8-17	6.8	18
159	Design of pharmaceutical cocrystals for drug solubility improvement. *Russian Journal of General Chemistry*, **2014**, 84, 407-414	0.7	18
158	Thermodynamic and Structural Aspects of Hydrated and Unhydrated Phases of 4-Hydroxybenzamide. *Crystal Growth and Design*, **2007**, 7, 2643-2648	3.5	18
157	The Melting Process of Acetylsalicylic Acid Single Crystals **2001**, 63, 653-661		18
156	Cocrystals of Fluconazole with Aromatic Carboxylic Acids: Competition between Anhydrous and Hydrated Solid Forms. *Crystal Growth and Design*, **2020**, 20, 1218-1228	3.5	18

155	Pharmaceutical Salts of Biologically Active Hydrazone Compound Salinazid: Crystallographic, Solubility, and Thermodynamic Aspects. *Crystal Growth and Design*, **2016**, 16, 2605-2617	3.5	18
154	Effects of the crystal structure and thermodynamic stability on solubility of bioactive compounds: DFT study of isoniazid cocrystals. *Computational and Theoretical Chemistry*, **2016**, 1092, 1-11	2	18
153	New Pharmaceutical Cocrystal Forms of Flurbiprofen: Structural, Physicochemical, and Thermodynamic Characterization. *Crystal Growth and Design*, **2019**, 19, 5751-5761	3.5	17
152	Prediction of Sublimation Functions of Molecular Crystals Based on Melting Points: Cocrystal Formation Thermodynamics Application. *Crystal Growth and Design*, **2017**, 17, 4110-4117	3.5	17
151	Impact of Sulfonamide Structure on Solubility and Transfer Processes in Biologically Relevant Solvents. *Journal of Chemical & Engineering Data*, **2014**, 59, 4217-4226	2.8	17
150	Inclusion complex of antiasthmatic compound with 2-hydroxypropyl-Ecyclodextrin: Preparation and physicochemical properties. *Journal of Molecular Liquids*, **2017**, 237, 185-192	6	16
149	Solid Forms of Ciprofloxacin Salicylate: Polymorphism, Formation Pathways, and Thermodynamic Stability. *Crystal Growth and Design*, **2019**, 19, 2979-2990	3.5	16
148	The impact of structural modification of 1,2,4-thiadiazole derivatives on thermodynamics of solubility and hydration processes. *Physical Chemistry Chemical Physics*, **2015**, 17, 20889-96	3.6	16
147	Diversity of felodipine solvates: structure and physicochemical properties. *CrystEngComm*, **2015**, 17, 4089-4097	3.3	16
146	Diversity of crystal structures and physicochemical properties of ciprofloxacin and norfloxacin salts with fumaric acid. *CrystEngComm*, **2018**, 20, 755-767	3.3	16
145	A thermodynamic study of sublimation, dissolution and distribution processes of anti-inflammatory drug Clonixin. *Journal of Chemical Thermodynamics*, **2019**, 132, 281-288	2.9	16
144	The Pore-Lipid Interface: Role of Amino-Acid Determinants of Lipophilic Access by Ivabradine to the hERG1 Pore Domain. *Molecular Pharmacology*, **2019**, 96, 259-271	4.3	15
143	Thermodynamic and structural aspects of novel 1,2,4-thiadiazoles in solid and biological mediums. *Molecular Pharmaceutics*, **2011**, 8, 1807-20	5.6	15
142	Thermodynamics of potassium diclofenac salt aqueous solutions at various temperatures. *Journal of Thermal Analysis and Calorimetry*, **2011**, 104, 279-289	4.1	15
141	Redetermination and H-atom refinement of (S)-(+)-ibuprofen. *Acta Crystallographica Section E: Structure Reports Online*, **2003**, 59, o1357-o1358		15
140	Structural and energetic aspects of adamantane and memantine derivatives of sulfonamide molecular crystals: experimental and theoretical characterisation. *CrystEngComm*, **2018**, 20, 3476-3489	3.3	14
139	Crystal architecture and physicochemical properties of felodipine solvates. *CrystEngComm*, **2013**, 15, 6054	3.3	14
138	Physicochemical properties/descriptors governing the solubility and partitioning of chemicals in water-solvent-gas systems. Part 2. Solubility in 1-octanol. *SAR and QSAR in Environmental Research*, **2007**, 18, 543-78	3.5	14

137	Intermolecular interactions and permeability of 5-fluorouracil cocrystals with a series of isomeric hydroxybenzoic acids: a combined theoretical and experimental study. *CrystEngComm*, **2019**, 21, 5095-5105	3.3	13
136	Inclusion complexes of hydroxypropyl-β-cyclodextrin with novel cytotoxic compounds: Solubility and thermodynamic properties. *Fluid Phase Equilibria*, **2014**, 384, 68-72	2.5	13
135	Novel 1,2,4-thiadiazole derivatives: crystal structure, conformational analysis, hydrogen bond networks, calculations, and thermodynamic characteristics of crystal lattices. *Journal of Physical Chemistry B*, **2013**, 117, 10414-29	3.4	13
134	A study of the inclusion complex of bioactive thiadiazole derivative with 2-hydroxypropyl-β-cyclodextrin: Preparation, characterization and physicochemical properties. *Journal of Molecular Liquids*, **2019**, 273, 653-662	6	13
133	Thermodynamic approaches to the challenges of solubility in drug discovery and development. *Molecular Pharmaceutics*, **2014**, 11, 1-11	5.6	12
132	Vapor pressures and thermodynamic sublimation of antitubercular drugs. *Journal of Thermal Analysis and Calorimetry*, **2015**, 120, 1053-1060	4.1	12
131	Thermochemistry of Drugs. Experimental and First-Principles Study of Fenamates. *Journal of Chemical & Engineering Data*, **2011**, 56, 4325-4332	2.8	12
130	Melting points of one- and two-component molecular crystals as effective characteristics for rational design of pharmaceutical systems. *Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials*, **2020**, 76, 696-706	1.8	12
129	Novel cocrystals of itraconazole: Insights from phase diagrams, formation thermodynamics and solubility. *International Journal of Pharmaceutics*, **2021**, 599, 120441	6.5	12
128	Adamantane derivatives of sulfonamide molecular crystals: structure, sublimation thermodynamic characteristics, molecular packing, and hydrogen bond networks. *CrystEngComm*, **2015**, 17, 753-763	3.3	11
127	Adamantane derivatives of sulfonamides: sublimation, solubility, solvation and transfer processes in biologically relevant solvents. *Physical Chemistry Chemical Physics*, **2016**, 18, 9281-94	3.6	11
126	Hydrogen Bond Donor/Acceptor Ratios of the Coformers: Do They Really Matter for the Prediction of Molecular Packing in Cocrystals? The Case of Benzamide Derivatives with Dicarboxylic Acids. *Crystal Growth and Design*, **2018**, 18, 5254-5269	3.5	11
125	Cocrystals of a 1,2,4-thiadiazole-based potent neuroprotector with gallic acid: solubility, thermodynamic stability relationships and formation pathways. *Physical Chemistry Chemical Physics*, **2018**, 20, 14469-14481	3.6	11
124	Thermodynamic studies of Fenbufen, Diflunisal, and Flurbiprofen: sublimation, solution and solvation of biphenyl substituted drugs. *International Journal of Pharmaceutics*, **2008**, 357, 100-7	6.5	11
123	Solution thermodynamics of pyrazinamide, isoniazid, and p-aminobenzoic acid in buffers and octanol. *Journal of Chemical Thermodynamics*, **2015**, 91, 396-403	2.9	10
122	Thermodynamic and structural aspects of hydroxybenzamide molecular crystals study. *Thermochimica Acta*, **2013**, 551, 57-61	2.9	10
121	Enhancement of dissolution behavior of antiarthritic drug leflunomide using solid dispersion methods. *Thermochimica Acta*, **2017**, 656, 123-128	2.9	10
120	Crystal Structures, Thermal Analysis, and Dissolution Behavior of New Solid Forms of the Antiviral Drug Arbidol with Dicarboxylic Acids. *Crystals*, **2015**, 5, 650-669	2.3	10

119	Polymorphs and solvates of felodipine: analysis of crystal structures and thermodynamic aspects of sublimation and solubility processes. *CrystEngComm*, **2012**, 14, 8577	3.3	10
118	Thermodynamic aspects of solubility, solvation and partitioning processes of some sulfonamides. *Journal of Chemical Thermodynamics*, **2011**, 43, 683-689	2.9	10
117	5-Fluorouracil Cocrystals with Lipophilic Hydroxy-2-Naphthoic Acids: Crystal Structures, Theoretical Computations, and Permeation Studies. *Crystal Growth and Design*, **2020**, 20, 923-933	3.5	10
116	A combined experimental and theoretical study of miconazole salts and cocrystals: crystal structures, DFT computations, formation thermodynamics and solubility improvement. *Physical Chemistry Chemical Physics*, **2021**, 23, 12456-12470	3.6	10
115	Pharmaceutical Salts of Fenbendazole with Organic Counterions: Structural Analysis and Solubility Performance. *Crystal Growth and Design*, **2021**, 21, 4516-4530	3.5	10
114	Thermodynamic properties of Nalidixic and Oxolinic acids: Experimental and computational study. *Thermochimica Acta*, **2019**, 682, 178411	2.9	9
113	Design of 4-aminobenzoic acid two-component molecular crystals: prediction and experiments. *CrystEngComm*, **2019**, 21, 2119-2129	3.3	9
112	Poorly soluble drugs: disbalance of thermodynamic characteristics of crystal lattice and solvation. *RSC Advances*, **2016**, 6, 77870-77886	3.7	9
111	Solubility and Solution Thermodynamics of Novel Bicyclic Derivatives of 1,3-Selenazine in Biological Relevant Solvents. *Journal of Chemical & Engineering Data*, **2014**, 59, 2298-2304	2.8	9
110	Partition coefficients and thermodynamics of transfer of novel drug-like spiro-derivatives in model biological solutions. *Journal of Chemical Thermodynamics*, **2013**, 61, 11-17	2.9	9
109	Thermodynamics of Solubility Processes of Novel Drug-like Spiro-Derivatives in Model Biological Solutions. *Journal of Chemical & Engineering Data*, **2012**, 57, 1996-2003	2.8	9
108	Monte Carlo studies of drug nucleation 1: formation of crystalline clusters of bicalutamide in water. *Journal of Physical Chemistry B*, **2011**, 115, 3062-72	3.4	9
107	Octanol/Water Partition Coefficients of Sulfonamides: Experimental Determination and Calculation Using Physicochemical Descriptors. *Journal of Chemical & Engineering Data*, **2009**, 54, 3121-3124	2.8	9
106	Thermodynamic investigations of sublimation, solubility and solvation of [4-(benzyloxy)-phenyl]acetic acid. *Journal of Thermal Analysis and Calorimetry*, **2006**, 83, 549-556	4.1	9
105	Polymorphic Forms of a Molecular Salt of Phenazopyridine with 3,5-Dihydroxybenzoic Acid: Crystal Structures, Theoretical Calculations, Thermodynamic Stability, and Solubility Aspects. *Crystal Growth and Design*, **2019**, 19, 5636-5647	3.5	8
104	Experimental investigation of fluconazole: Equilibrium solubility and sublimation. *Journal of Chemical Thermodynamics*, **2020**, 151, 106243	2.9	8
103	Sublimation thermodynamics aspects of adamantane and memantine derivatives of sulfonamide molecular crystals. *Physical Chemistry Chemical Physics*, **2018**, 20, 19784-19791	3.6	8
102	Thermodynamics of sublimation, thermophysical and structural aspects of the molecular crystals of fenamates. *Journal of Structural Chemistry*, **2010**, 51, 308-315	0.9	8

101	The 1:1 hydrate of diflunisal. *Acta Crystallographica Section E: Structure Reports Online*, **2001**, 57, o477-o479		8
100	Physicochemical characteristics of the inclusion complexes of biologically active compounds with 2-hydroxypropyl-□cyclodextrin. *Thermochimica Acta*, **2016**, 639, 1-9	2.9	7
99	Pharmaceutical salts of emoxypine with dicarboxylic acids. *Acta Crystallographica Section C, Structural Chemistry*, **2018**, 74, 797-806	0.8	7
98	Vapor pressures and sublimation enthalpies of novel bicyclic heterocycle derivatives. *Journal of Chemical Thermodynamics*, **2014**, 69, 107-111	2.9	7
97	Effect of the structure, solid state and lipophilicity on the solubility of novel bicyclic derivatives. *Journal of Chemical Thermodynamics*, **2014**, 78, 152-158	2.9	7
96	Understanding of Relationship between Phospholipid Membrane Permeability and Self-Diffusion Coefficients of Some Drugs and Biologically Active Compounds in Model Solvents. *Molecular Pharmaceutics*, **2017**, 14, 3381-3390	5.6	7
95	4-Hydroxybenzamide. *Acta Crystallographica Section E: Structure Reports Online*, **2007**, 63, o2362-o2362		7
94	Thermodynamics of sodium diclofenac salt aqueous solutions at various temperatures. *Journal of Thermal Analysis and Calorimetry*, **2007**, 90, 147-152	4.1	7
93	Thermophysical and structural investigations of crystalline solvates based on tetraphenylporphyrin and its copper complex. *Thermochimica Acta*, **1996**, 279, 121-136	2.9	7
92	Influence of crystal packing on the thermal properties of cocrystals and cocrystal solvates of olanzapine: insights from computations. *CrystEngComm*, **2020**, 22, 6536-6558	3.3	7
91	Two-Component Molecular Crystals: What Is the Difference between Drug□Drug, Drug□GRAS, and CF□F Databases? Evaluation of Melting Points and Ideal Solubility of Unknown Co-crystals. *Crystal Growth and Design*, **2021**, 21, 5058-5071	3.5	7
90	Thermodynamic study of aceclofenac solubility, distribution and sublimation. *Journal of Chemical Thermodynamics*, **2019**, 137, 13-21	2.9	6
89	Ciprofloxacin salts with benzoic acid derivatives: structural aspects, solid-state properties and solubility performance. *CrystEngComm*, **2020**, 22, 4238-4249	3.3	6
88	Complex formation of cyclodextrins with some pharmacologically active 1,2,4-thiadiazole derivatives. *Journal of Thermal Analysis and Calorimetry*, **2017**, 127, 1797-1805	4.1	6
87	Vapor Pressures and Sublimation Thermodynamic Parameters for Novel Drug-Like Spiro-Derivatives. *Journal of Chemical & Engineering Data*, **2012**, 57, 3452-3457	2.8	6
86	Solubility and Transfer Processes of Some Hydrazones in Biologically Relevant Solvents. *Journal of Chemical & Engineering Data*, **2013**, 58, 2659-2667	2.8	6
85	Thermodynamic aspects of solubility process of some sulfonamides. *Journal of Pharmaceutical and Biomedical Analysis*, **2011**, 54, 222-4	3.5	6
84	Interactions of theophylline with cyclodextrins in water. *Mendeleev Communications*, **2007**, 17, 244-246	1.9	6

83	Substituent effect on the packing architecture of adamantane and memantine derivatives of sulfonamide molecular crystals. *CrystEngComm*, **2020**, 22, 349-360	3.3	6
82	Synthesis and antifungal activity of new hybrids thiazolo[4,5-d]pyrimidines with (1H-1,2,4)triazole. *Bioorganic and Medicinal Chemistry Letters*, **2021**, 40, 127944	2.9	6
81	The solubility of ethionamide and structural analogues in buffer solutions, octanol and hexane at several temperatures. *Thermochimica Acta*, **2016**, 640, 1-7	2.9	6
80	Physico-chemical characterization antituberculosis thioacetazone: Vapor pressure, solubility and lipophilicity. *Journal of Chemical Thermodynamics*, **2017**, 108, 18-25	2.9	5
79	Solubility and vapor pressure data of bioactive 6-(acetylamino)-N-(5-ethyl-1,3,4-thiadiazol-2-yl) hexanamide. *Journal of Chemical Thermodynamics*, **2019**, 135, 35-44	2.9	5
78	New antifungal compound: Solubility thermodynamics and partitioning processes in biologically relevant solvents. *Journal of Molecular Liquids*, **2020**, 310, 113148	6	5
77	Experimental solubility of clotrimazole and some thermodynamic aspects of dissolution in different solvents. *Thermochimica Acta*, **2019**, 682, 178431	2.9	5
76	Crystal structure analysis and sublimation thermodynamics of bicyclo derivatives of a neuroprotector family. *Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials*, **2014**, 70, 47-53	1.8	5
75	Solubility, Solvation and Distribution of Novel Spiro-Derivatives of 1,3-Thiazine in Aqueous and Organic Solutions. *Journal of Solution Chemistry*, **2013**, 42, 2057-2069	1.8	5
74	Solubility and distribution of bicycle derivatives of 1,3-selenazine in pharmaceutically relevant media by saturation shake-flask method. *Journal of Chemical Thermodynamics*, **2017**, 115, 285-292	2.9	5
73	Novel Spiro-Derivatives of 1,3-Thiazine Molecular Crystals: Structural and Thermodynamic Aspects. *Crystal Growth and Design*, **2013**, 13, 804-815	3.5	5
72	Thermophysical and structural properties of crystalline solvates of tetraphenylporphyrin and their zinc, copper and cadmium metallo-complexes. *Thermochimica Acta*, **1998**, 311, 163-171	2.9	5
71	N-(3-Hydroxyphenyl)acetamide. *Acta Crystallographica Section E: Structure Reports Online*, **2006**, 62, o3627-o3628		5
70	Diflunisal–hexane (4/1). *Acta Crystallographica Section E: Structure Reports Online*, **2001**, 57, o604-o606		5
69	Comparative analysis of solubilization and complexation characteristics for new antifungal compound with cyclodextrins. Impact of cyclodextrins on distribution process. *European Journal of Pharmaceutical Sciences*, **2020**, 154, 105531	5.1	5
68	Identification of a previously unreported co-crystal form of acetazolamide: a combination of multiple experimental and virtual screening methods. *Physical Chemistry Chemical Physics*, **2020**, 22, 20867-20879	3.6	5
67	Thiazolidine-2,4-dione derivative in 2-hydroxypropyl-β-cyclodextrin solutions: Complexation/solubilization, distribution and permeability. *Journal of Molecular Liquids*, **2021**, 333, 115931	6	5
66	Sulfasalazine: Dissolution and Distribution in Pharmaceutically Relevant Mediums. *Journal of Chemical & Engineering Data*, **2017**, 62, 123-128	2.8	4

65	Polymorphism of monotropic forms: relationships between thermochemical and structural characteristics. *Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials* , **2020**, 76, 65-75	1.8	4
64	New derivatives of hydrogenated pyrido[4,3-b]indoles as potential neuroprotectors: Synthesis, biological testing and solubility in pharmaceutically relevant solvents. *Saudi Pharmaceutical Journal*, **2018**, 26, 801-809	4.4	4
63	Studying the sublimation thermodynamics of ethionamide and pyridinecarbothioamide isomers by transpiration method. *Thermochimica Acta*, **2015**, 622, 97-102	2.9	4
62	A thermochemical study of aqueous solutions of sodium diclophenac at 293.15□318.15 K. *Russian Journal of Physical Chemistry A*, **2007**, 81, 1062-1070	0.7	4
61	Redetermination and H-atom refinement of (S)-(+)-ibuprofen. Corrigendum.. *Acta Crystallographica Section E: Structure Reports Online*, **2006**, 62, e17-e18		4
60	Experimental Analysis of Complex Formation of Niflumic Acid with □Cyclodextrins. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, **2006**, 55, 335-340		4
59	Crystal structure of a 1:1 salt of 4-amino-benzoic acid (vitamin B) with pyrazinoic acid. *Acta Crystallographica Section E: Crystallographic Communications*, **2018**, 74, 1923-1927	0.7	4
58	Novel cocrystals of the potent 1,2,4-thiadiazole-based neuroprotector with carboxylic acids: virtual screening, crystal structures and solubility performance. *New Journal of Chemistry*, **2021**, 45, 3034-3047	3.6	4
57	Polymorphic forms of antiandrogenic drug nilutamide: structural and thermodynamic aspects. *Physical Chemistry Chemical Physics*, **2021**, 23, 9695-9708	3.6	4
56	New Bicyclic 1,3-Selenazine Derivatives: Distribution in Model Biological Media and Membrane Permeability. *Journal of Chemical & Engineering Data*, **2015**, 60, 1146-1152	2.8	3
55	New diclofenac choline hydrate salt: Synthesis, characterization and solubility. *Journal of Molecular Structure*, **2019**, 1198, 126922	3.4	3
54	Comparative analysis of experimental methods for determining thermodynamic parameters of formation of multi-component molecular crystals: Benefits and limitations. *Journal of Molecular Liquids*, **2019**, 295, 111644	6	3
53	Thermodynamic approach to improving solubility prediction of co-crystals in comparison with individual poorly soluble components. *Journal of Chemical Thermodynamics*, **2014**, 73, 85-89	2.9	3
52	Thermochemical study of aqueous solutions of lithium diclofenac at 293.15□318.15 K. *Russian Journal of Physical Chemistry A*, **2013**, 87, 580-588	0.7	3
51	Thermodynamics of sublimation and solvation for bicyclo-derivatives of 1,3-thiazine. *Thermochimica Acta*, **2013**, 569, 61-65	2.9	3
50	Felodipine-diazabicyclo[2.2.2]octane-water (1/1/1). *Acta Crystallographica Section C: Crystal Structure Communications*, **2012**, 68, o456-8		3
49	Volumetric properties of methyl,tert-butyl, and alkoxy derivatives of tetraphenylporphyrin in benzene solution. *Journal of Solution Chemistry*, **1997**, 26, 663-679	1.8	3
48	Thermodynamic Properties of Aqueous Solution of 1,N2-(Prop-1-Ene-1,2-Diyl)acyclovir. *Magyar Apr□ad K□lem□nyek*, **1998**, 54, 237-241	0	3

47	Redetermination of p-ethoxyacetanilide (phenacetin). *Acta Crystallographica Section E: Structure Reports Online*, **2006**, 62, o2712-o2713		3
46	The thermochemistry of polymorphs and crystalline solvates based on tetraphenylporphyrin and its zinc complex. *Journal of Molecular Liquids*, **2002**, 95, 243-259	6	3
45	Solvates with anomalous low melting points. *Journal of Thermal Analysis and Calorimetry*, **2003**, 73, 715-725	4.1	3
44	Exploring the solid form landscape of the antifungal drug isavuconazole: crystal structure analysis, phase transformation behavior and dissolution performance. *CrystEngComm*, **2021**, 23, 8513-8526	3.3	3
43	Pharmaceutical Multicomponent Crystals of Antifungal Drugs with Improved Dissolution Performance. *Crystal Growth and Design*, **2021**, 21, 7285-7297	3.5	3
42	Synthetic analogues of memantine as neuroprotective and influenza viral inhibitors: in vitro and physicochemical studies. *Amino Acids*, **2020**, 52, 1559-1580	3.5	3
41	Thermodynamic properties of aqueous solutions of sodium ibuprofen at 293.15–318.15 K. *Russian Journal of Physical Chemistry A*, **2015**, 89, 644-653	0.7	2
40	Interrelation of thermodynamic sublimation characteristics with crystal structure: adamantane and memantine derivatives of sulfonamide molecular crystals. *CrystEngComm*, **2020**, 22, 2573-2584	3.3	2
39	Impact of structural modification of 1,2,4-thiadiazole derivatives on thermodynamics of solubility and solvation processes in 1-octanol and n-hexane. *Journal of Chemical Thermodynamics*, **2016**, 96, 57-66	2.9	2
38	Sublimation enthalpy of 1,3-thiazine structural analogues: Experimental determination and estimation based on structural clusterization. *Thermochimica Acta*, **2017**, 656, 10-15	2.9	2
37	3-(Acetylamino)benzoic acid. *Acta Crystallographica Section E: Structure Reports Online*, **2007**, 63, o2361-o2361		2
36	N-(4-Chlorophenyl)benzenesulfonamide. *Acta Crystallographica Section E: Structure Reports Online*, **2006**, 62, o376-o378		2
35	Solid–liquid phase equilibrium and thermodynamic analysis of novel thiazolidine-2,4-dione derivative in different solvents. *Journal of Molecular Liquids*, **2021**, 326, 115273	6	2
34	A Combined Experimental and Theoretical Study of Nitrofuran Antibiotics: Crystal Structures, DFT Computations, Sublimation and Solution Thermodynamics. *Molecules*, **2021**, 26,	4.8	2
33	Thermodynamic insights to solubility and lipophilicity of new bioactive hybrids triazole with thiazolopyrimidines. *Journal of Molecular Liquids*, **2021**, 324, 114662	6	2
32	Physicochemical profile of new antifungal compound: pH-dependent solubility, distribution, permeability and ionization assay. *Journal of Molecular Liquids*, **2021**, 336, 116535	6	2
31	Study of dissolution and transfer processes of new bioactive thiazolo[4,5-d]pyrimidine derivatives in modeling biological systems. *Journal of Molecular Liquids*, **2021**, 337, 116395	6	2
30	Permeability of diverse drugs through a lipid barrier: Impact of pH and cyclodextrin. *Journal of Molecular Liquids*, **2022**, 357, 119135	6	2

29	Thermodynamic Aspects of Solubility and Solvation of Bioactive Bicyclic Derivatives in Organic Solvents. *Journal of Chemical & Engineering Data*, **2017**, 62, 4288-4295	2.8	1
28	Physico-chemical study of bioactive N-(5-ethyl-1,3,4-thiadiazole-2-yl)-4-nitrobenzamide: Sublimation, solubility and distribution. *Thermochimica Acta*, **2017**, 657, 72-78	2.9	1
27	Solubility and Distribution of Salinazid and Vanillin Isoniazid in the Solvents Modeling Biological Media. *Journal of Chemical & Engineering Data*, **2015**, 60, 3175-3180	2.8	1
26	Distribution behavior of potential bioactive 1-azabicyclo[3,3,1]nonane derivatives in some organic solvent/buffer pH 7.4 systems. *Journal of Chemical Thermodynamics*, **2018**, 121, 211-218	2.9	1
25	Enthalpies of the dissolution and dilution of aqueous solutions of rubidium and cesium diclofenac at 293.15–318.15 K. *Russian Journal of Physical Chemistry A*, **2014**, 88, 418-427	0.7	1
24	A thermochemical study of aqueous solutions of sodium naproxene. *Russian Journal of Physical Chemistry A*, **2009**, 83, 187-196	0.7	1
23	The thermodynamic characteristics of sublimation of fenamate molecular crystals. *Russian Journal of Physical Chemistry A*, **2009**, 83, 1823-1826	0.7	1
22	Redetermination of 3-hydroxybenzamide. *Acta Crystallographica Section E: Structure Reports Online*, **2007**, 63, o2359-o2360		1
21	New Antifungal Compound: Impact of Cosolvency, Micellization and Complexation on Solubility and Permeability Processes. *Pharmaceutics*, **2021**, 13,	6.4	1
20	Influence of ionization and position of substituents on the solubility, solvation and transfer processes: A thermodynamic study of hydroxybenzamide and acetamidobenzoic acid isomers. *Journal of Molecular Liquids*, **2022**, 347, 118320	6	1
19	Thermodynamic study of sublimation, solubility and solvation of bioactive derivatives of hydrogenated pyrido[4,3-b]indoles. *Journal of Chemical Thermodynamics*, **2020**, 144, 105973	2.9	1
18	Isavuconazole: Thermodynamic Evaluation of Processes Sublimation, Dissolution and Partition in Pharmaceutically Relevant Media. *Molecules*, **2021**, 26,	4.8	1
17	Sublimation thermodynamics of antifungal drugs: Tioconazole, miconazole and climbazole. *Fluid Phase Equilibria*, **2021**, 544-545, 113098	2.5	1
16	Solubility and lipophilicity of antiarrhythmic drug Dofetilide in modeling physiological media. *Journal of Chemical Thermodynamics*, **2021**, 161, 106512	2.9	1
15	Solubility and partition behavior of moxifloxacin: Experimental results and thermodynamics properties. *Journal of Molecular Liquids*, **2021**, 339, 116814	6	1
14	Extending the Range of Nitrofurantoin Solid Forms: Effect of Molecular and Crystal Structure on Formation Thermodynamics and Physicochemical Properties. *Crystal Growth and Design*, **2022**, 22, 2569-2586	3.5	1
13	Simultaneous Improvement of Dissolution Behavior and Oral Bioavailability of Antifungal Miconazole via Cocrystal and Salt Formation. *Pharmaceutics*, **2022**, 14, 1107	6.4	1
12	Prediction of solubility of two-component molecular crystals. *CrystEngComm*,	3.3	0

11	Thermodynamic analysis of solubility, distribution and solvation of antifungal miconazole in relevant pharmaceutical media. *Journal of Molecular Liquids*, **2022**, 347, 118248	6	0
10	Solvent and temperature effects on the solubility of some new adamantane/memantine sulfonamide derivatives. *Journal of Molecular Liquids*, **2021**, 342, 117489	6	0
9	Thermal method usage features for multicomponent crystal screening. *CrystEngComm*, **2022**, 24, 2280-2290	3.3	0
8	2. Pharmaceutical multi-component crystals: improving the efficacy of anti-tuberculous agents **2017**, 32-59		
7	4-Amino-N-(2,5-dichlorophenyl)benzenesulfonamide. *Acta Crystallographica Section E: Structure Reports Online*, **2007**, 63, o1526-o1528		
6	Pyridine-3-carbaldehyde 2-pyridylhydrazone. *Acta Crystallographica Section E: Structure Reports Online*, **2007**, 63, o3042-o3042		
5	4-Amino-N-(2,3-dichlorophenyl)benzenesulfonamide. *Acta Crystallographica Section E: Structure Reports Online*, **2006**, 62, o5634-o5636		
4	Excess partial molar values of ibuprophene enantiomer and racemate in n-octanol. *Russian Journal of Physical Chemistry A*, **2006**, 80, 1363-1369	0.7	
3	Volumetric properties of tetraphenylporphyrin and some of its alkoxy and tert-butyl derivatives in tetrachloromethane solutions. *Journal of Molecular Liquids*, **2005**, 121, 27-34	6	
2	Volumetric Properties of Tetraphenylporphyrin, Octaethylporphyrin, and Their Metallo Complexes in Organic Solvents. *Journal of Solution Chemistry*, **2001**, 30, 733-749	1.8	
1	Thermal behavior of griseofulvin: fusion, sublimation and vaporization. *Journal of Thermal Analysis and Calorimetry*,1	4.1	