German L Perlovich

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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 Apríład Kézlemények*, **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 Apríład Közlemények*, **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
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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	3.6	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
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162	Interrelation between thermochemical and structural data of polymorphs exemplified by diflunisal. *Journal of Pharmaceutical Sciences*, **2002**, 91, 1036-45	3.9	19
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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
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115	Pharmaceutical Salts of Fenbendazole with Organic Counterions: Structural Analysis and Solubility Performance. *Crystal Growth and Design*, **2021**, 21, 4516-4530	3.5	10
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