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List of Publications by Year in Descending Order

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	Thermodynamic analysis of solubility, distribution and solvation of antifungal miconazole in relevant pharmaceutical media. *Journal of Molecular Liquids*, **2022**, 347, 118248	6	0
225	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
224	Thermal method usage features for multicomponent crystal screening. *CrystEngComm*, **2022**, 24, 2280-2290	3.3	0
223	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
222	Permeability of diverse drugs through a lipid barrier: Impact of pH and cyclodextrin. *Journal of Molecular Liquids*, **2022**, 357, 119135	6	2
221	Simultaneous Improvement of Dissolution Behavior and Oral Bioavailability of Antifungal Miconazole via Cocrystal and Salt Formation. *Pharmaceutics*, **2022**, 14, 1107	6.4	1
220	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
219	New Antifungal Compound: Impact of Cosolvency, Micellization and Complexation on Solubility and Permeability Processes. *Pharmaceutics*, **2021**, 13,	6.4	1
218	Pharmaceutical Multicomponent Crystals of Antifungal Drugs with Improved Dissolution Performance. *Crystal Growth and Design*, **2021**, 21, 7285-7297	3.5	3
217	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
216	Novel cocrystals of itraconazole: Insights from phase diagrams, formation thermodynamics and solubility. *International Journal of Pharmaceutics*, **2021**, 599, 120441	6.5	12
215	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
214	A Combined Experimental and Theoretical Study of Nitrofuran Antibiotics: Crystal Structures, DFT Computations, Sublimation and Solution Thermodynamics. *Molecules*, **2021**, 26,	4.8	2
213	Two-Component Molecular Crystals: What Is the Difference between Drug–Drug, Drug–GRAS, and CF–CF Databases? Evaluation of Melting Points and Ideal Solubility of Unknown Co-crystals. *Crystal Growth and Design*, **2021**, 21, 5058-5071	3.5	7
212	Thermodynamic insights to solubility and lipophilicity of new bioactive hybrids triazole with thiazolopyrimidines. *Journal of Molecular Liquids*, **2021**, 324, 114662	6	2
211	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
210	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

209	Polymorphic forms of antiandrogenic drug nilutamide: structural and thermodynamic aspects. *Physical Chemistry Chemical Physics*, **2021**, 23, 9695-9708	3.6	4
208	Pharmaceutical Salts of Fenbendazole with Organic Counterions: Structural Analysis and Solubility Performance. *Crystal Growth and Design*, **2021**, 21, 4516-4530	3.5	10
207	Thiazolidine-2,4-dione derivative in 2-hydroxypropyl-Ecyclodextrin solutions: Complexation/solubilization, distribution and permeability. *Journal of Molecular Liquids*, **2021**, 333, 115931	6	5
206	Isavuconazole: Thermodynamic Evaluation of Processes Sublimation, Dissolution and Partition in Pharmaceutically Relevant Media. *Molecules*, **2021**, 26,	4.8	1
205	Physicochemical profile of new antifungal compound: pH-dependent solubility, distribution, permeability and ionization assay. *Journal of Molecular Liquids*, **2021**, 336, 116535	6	2
204	Sublimation thermodynamics of antifungal drugs: Tioconazole, miconazole and climbazole. *Fluid Phase Equilibria*, **2021**, 544-545, 113098	2.5	1
203	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
202	Solubility and lipophilicity of antiarrhythmic drug Dofetilide in modeling physiological media. *Journal of Chemical Thermodynamics*, **2021**, 161, 106512	2.9	1
201	Solubility and partition behavior of moxifloxacin: Experimental results and thermodynamics properties. *Journal of Molecular Liquids*, **2021**, 339, 116814	6	1
200	Solvent and temperature effects on the solubility of some new adamantane/memantine sulfonamide derivatives. *Journal of Molecular Liquids*, **2021**, 342, 117489	6	0
199	Ciprofloxacin salts with benzoic acid derivatives: structural aspects, solid-state properties and solubility performance. *CrystEngComm*, **2020**, 22, 4238-4249	3.3	6
198	New antifungal compound: Solubility thermodynamics and partitioning processes in biologically relevant solvents. *Journal of Molecular Liquids*, **2020**, 310, 113148	6	5
197	Formation Thermodynamics of Two-Component Molecular Crystals: Polymorphism, Stoichiometry, and Impact of Enantiomers. *Crystal Growth and Design*, **2020**, 20, 5526-5537	3.5	20
196	Experimental investigation of fluconazole: Equilibrium solubility and sublimation. *Journal of Chemical Thermodynamics*, **2020**, 151, 106243	2.9	8
195	Interrelation of thermodynamic sublimation characteristics with crystal structure: adamantane and memantine derivatives of sulfonamide molecular crystals. *CrystEngComm*, **2020**, 22, 2573-2584	3.3	2
194	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
193	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
192	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

191	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
190	Substituent effect on the packing architecture of adamantane and memantine derivatives of sulfonamide molecular crystals. *CrystEngComm*, **2020**, 22, 349-360	3.3	6
189	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
188	Synthetic analogues of memantine as neuroprotective and influenza viral inhibitors: in vitro and physicochemical studies. *Amino Acids*, **2020**, 52, 1559-1580	3.5	3
187	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
186	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
185	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
184	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
183	Thermodynamic properties of Nalidixic and Oxolinic acids: Experimental and computational study. *Thermochimica Acta*, **2019**, 682, 178411	2.9	9
182	Design of 4-aminobenzoic acid two-component molecular crystals: prediction and experiments. *CrystEngComm*, **2019**, 21, 2119-2129	3.3	9
181	Thermodynamic study of aceclofenac solubility, distribution and sublimation. *Journal of Chemical Thermodynamics*, **2019**, 137, 13-21	2.9	6
180	Solid Forms of Ciprofloxacin Salicylate: Polymorphism, Formation Pathways, and Thermodynamic Stability. *Crystal Growth and Design*, **2019**, 19, 2979-2990	3.5	16
179	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
178	New diclofenac choline hydrate salt: Synthesis, characterization and solubility. *Journal of Molecular Structure*, **2019**, 1198, 126922	3.4	3
177	New Pharmaceutical Cocrystal Forms of Flurbiprofen: Structural, Physicochemical, and Thermodynamic Characterization. *Crystal Growth and Design*, **2019**, 19, 5751-5761	3.5	17
176	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
175	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
174	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

173	Experimental solubility of clotrimazole and some thermodynamic aspects of dissolution in different solvents. *Thermochimica Acta*, **2019**, 682, 178431	2.9	5
172	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
171	A study of the inclusion complex of bioactive thiadiazole derivative with 2-hydroxypropyl-Ecyclodextrin: Preparation, characterization and physicochemical properties. *Journal of Molecular Liquids*, **2019**, 273, 653-662	6	13
170	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
169	Diversity of crystal structures and physicochemical properties of ciprofloxacin and norfloxacin salts with fumaric acid. *CrystEngComm*, **2018**, 20, 755-767	3.3	16
168	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
167	Sublimation thermodynamics aspects of adamantane and memantine derivatives of sulfonamide molecular crystals. *Physical Chemistry Chemical Physics*, **2018**, 20, 19784-19791	3.6	8
166	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
165	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
164	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
163	Pharmaceutical salts of emoxypine with dicarboxylic acids. *Acta Crystallographica Section C, Structural Chemistry*, **2018**, 74, 797-806	0.8	7
162	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
161	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
160	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
159	Physico-chemical characterization antituberculosis thioacetazone: Vapor pressure, solubility and lipophilicity. *Journal of Chemical Thermodynamics*, **2017**, 108, 18-25	2.9	5
158	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
157	Inclusion complex of antiasthmatic compound with 2-hydroxypropyl-Ecyclodextrin: Preparation and physicochemical properties. *Journal of Molecular Liquids*, **2017**, 237, 185-192	6	16
156	Two-component molecular crystals: evaluation of the formation thermodynamics based on melting points and sublimation data. *CrystEngComm*, **2017**, 19, 2870-2883	3.3	34

155	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
154	Sulfasalazine: Dissolution and Distribution in Pharmaceutically Relevant Mediums. *Journal of Chemical & Engineering Data*, **2017**, 62, 123-128	2.8	4
153	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
152	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
151	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
150	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
149	Enhancement of dissolution behavior of antiarthritic drug leflunomide using solid dispersion methods. *Thermochimica Acta*, **2017**, 656, 123-128	2.9	10
148	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
147	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
146	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
145	2. Pharmaceutical multi-component crystals: improving the efficacy of anti-tuberculous agents **2017**, 32-59		
144	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
143	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
142	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
141	Sublimation thermodynamics of four fluoroquinolone antimicrobial compounds. *Journal of Chemical Thermodynamics*, **2017**, 105, 37-43	2.9	22
140	Solubility, lipophilicity and membrane permeability of some fluoroquinolone antimicrobials. *European Journal of Pharmaceutical Sciences*, **2016**, 93, 29-37	5.1	43
139	Poorly soluble drugs: disbalance of thermodynamic characteristics of crystal lattice and solvation. *RSC Advances*, **2016**, 6, 77870-77886	3.7	9
138	Physicochemical characteristics of the inclusion complexes of biologically active compounds with 2-hydroxypropyl-β-cyclodextrin. *Thermochimica Acta*, **2016**, 639, 1-9	2.9	7

137	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
136	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
135	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
134	Pharmaceutical Salts of Biologically Active Hydrazone Compound Salinazid: Crystallographic, Solubility, and Thermodynamic Aspects. *Crystal Growth and Design*, **2016**, 16, 2605-2617	3.5	18
133	Cocrystals of the antiandrogenic drug bicalutamide: screening, crystal structures, formation thermodynamics and lattice energies. *CrystEngComm*, **2016**, 18, 4818-4829	3.3	33
132	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
131	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
130	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
129	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
128	Pharmaceutical salts of ciprofloxacin with dicarboxylic acids. *European Journal of Pharmaceutical Sciences*, **2015**, 77, 112-21	5.1	44
127	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
126	Thermodynamic characteristics of cocrystal formation and melting points for rational design of pharmaceutical two-component systems. *CrystEngComm*, **2015**, 17, 7019-7028	3.3	68
125	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
124	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
123	Diversity of felodipine solvates: structure and physicochemical properties. *CrystEngComm*, **2015**, 17, 4089-4097	3.3	16
122	New Solid Forms of the Antiviral Drug Arbidol: Crystal Structures, Thermodynamic Stability, and Solubility. *Molecular Pharmaceutics*, **2015**, 12, 4154-65	5.6	23
121	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
120	Saccharin salts of biologically active hydrazone derivatives. *New Journal of Chemistry*, **2015**, 39, 8614-8626	3.3	23

119	Solution thermodynamics of pyrazinamide, isoniazid, and p-aminobenzoic acid in buffers and octanol. *Journal of Chemical Thermodynamics*, **2015**, 91, 396-403	2.9	10
118	Adamantane derivatives of sulfonamide molecular crystals: structure, sublimation thermodynamic characteristics, molecular packing, and hydrogen bond networks. *CrystEngComm*, **2015**, 17, 753-763	3.3	11
117	Fenamate Cocrystals with 4,4?-Bipyridine: Structural and Thermodynamic Aspects. *Crystal Growth and Design*, **2015**, 15, 228-238	3.5	27
116	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
115	Studying the sublimation thermodynamics of ethionamide and pyridinecarbothioamide isomers by transpiration method. *Thermochimica Acta*, **2015**, 622, 97-102	2.9	4
114	Vapor pressures and thermodynamic sublimation of antitubercular drugs. *Journal of Thermal Analysis and Calorimetry*, **2015**, 120, 1053-1060	4.1	12
113	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
112	Vapor pressures and sublimation enthalpies of novel bicyclic heterocycle derivatives. *Journal of Chemical Thermodynamics*, **2014**, 69, 107-111	2.9	7
111	Polymorphism of felodipine co-crystals with 4,4?-bipyridine. *CrystEngComm*, **2014**, 16, 6603-6611	3.3	22
110	Thermodynamic approaches to the challenges of solubility in drug discovery and development. *Molecular Pharmaceutics*, **2014**, 11, 1-11	5.6	12
109	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
108	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
107	Inclusion complexes of hydroxypropyl-Ecyclodextrin with novel cytotoxic compounds: Solubility and thermodynamic properties. *Fluid Phase Equilibria*, **2014**, 384, 68-72	2.5	13
106	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
105	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
104	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
103	Pharmaceutical cocrystals of diflunisal and diclofenac with theophylline. *Molecular Pharmaceutics*, **2014**, 11, 3707-15	5.6	62
102	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

101	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
100	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
99	Design of pharmaceutical cocrystals for drug solubility improvement. *Russian Journal of General Chemistry*, **2014**, 84, 407-414	0.7	18
98	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
97	Acetamidobenzoic acid isomers: Studying sublimation and fusion processes and their relation with crystal structures. *Thermochimica Acta*, **2014**, 583, 72-77	2.9	20
96	Crystal architecture and physicochemical properties of felodipine solvates. *CrystEngComm*, **2013**, 15, 6054	3.3	14
95	Sulfonamide Molecular Crystals: Structure, Sublimation Thermodynamic Characteristics, Molecular Packing, Hydrogen Bonds Networks. *Crystal Growth and Design*, **2013**, 13, 4002-4016	3.5	41
94	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
93	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
92	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
91	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
90	Polymorphism and solvatomorphism of bicalutamide. *Journal of Thermal Analysis and Calorimetry*, **2013**, 111, 655-662	4.1	23
89	Thermodynamic and structural aspects of hydroxybenzamide molecular crystals study. *Thermochimica Acta*, **2013**, 551, 57-61	2.9	10
88	Thermodynamics of sublimation and solvation for bicyclo-derivatives of 1,3-thiazine. *Thermochimica Acta*, **2013**, 569, 61-65	2.9	3
87	Novel Spiro-Derivatives of 1,3-Thiazine Molecular Crystals: Structural and Thermodynamic Aspects. *Crystal Growth and Design*, **2013**, 13, 804-815	3.5	5
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	Vapor Pressures and Sublimation Thermodynamic Parameters for Novel Drug-Like Spiro-Derivatives. *Journal of Chemical & Engineering Data*, **2012**, 57, 3452-3457	2.8	6
84	Novel 1,2,4-thiadiazole derivatives as potent neuroprotectors: approach to creation of bioavailable drugs. *Molecular Pharmaceutics*, **2012**, 9, 2156-67	5.6	40

83	Polymorphs and solvates of felodipine: analysis of crystal structures and thermodynamic aspects of sublimation and solubility processes. *CrystEngComm*, **2012**, 14, 8577	3.3	10
82	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
81	Crystallization and Polymorphism of Felodipine. *Crystal Growth and Design*, **2012**, 12, 4022-4030	3.5	44
80	Felodipine-diazabicyclo[2.2.2]octane-water (1/1/1). *Acta Crystallographica Section C: Crystal Structure Communications*, **2012**, 68, o456-8		3
79	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
78	Thermochemistry of Drugs. Experimental and First-Principles Study of Fenamates. *Journal of Chemical & Engineering Data*, **2011**, 56, 4325-4332	2.8	12
77	Thermodynamic and structural aspects of novel 1,2,4-thiadiazoles in solid and biological mediums. *Molecular Pharmaceutics*, **2011**, 8, 1807-20	5.6	15
76	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
75	Thermodynamics of potassium diclofenac salt aqueous solutions at various temperatures. *Journal of Thermal Analysis and Calorimetry*, **2011**, 104, 279-289	4.1	15
74	Sulfonamide Molecular Crystals: Thermodynamic and Structural Aspects. *Crystal Growth and Design*, **2011**, 11, 1067-1081	3.5	32
73	Thermodynamic aspects of solubility process of some sulfonamides. *Journal of Pharmaceutical and Biomedical Analysis*, **2011**, 54, 222-4	3.5	6
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