Maciej PrzybyÅ‚ek

List of Publications by Year
in descending order

31 papers	598 citations	567144 15 h-index	610775 24 g-index
31 all docs	31 docs citations	31 times ranked	592 citing authors

#	Article	IF	Citations
1	Effect of Chitosan Deacetylation on Its Affinity to Type III Collagen: A Molecular Dynamics Study. Materials, 2022, 15, 463.	1.3	7
2	New Screening Protocol for Effective Green Solvents Selection of Benzamide, Salicylamide and Ethenzamide. Molecules, 2022, 27, 3323.	1.7	7
3	Studies on the solidâ€“liquid equilibria and intermolecular interactions Urea binary mixtures with Sulfanilamide and Sulfacetamide. Journal of Chemical Thermodynamics, 2021, 153, 106308.	1.0	8
4	Experimental and theoretical studies on the Sulfamethazine-Urea and Sulfamethizole-Urea solid-liquid equilibria. Journal of Drug Delivery Science and Technology, 2021, 61, 102186.	1.4	5
5	Solvent Screening for Solubility Enhancement of Theophylline in Neat, Binary and Ternary NADES Solvents: New Measurements and Ensemble Machine Learning. International Journal of Molecular Sciences, 2021, 22, 7347.	1.8	19
6	Thermodynamics and Intermolecular Interactions of Nicotinamide in Neat and Binary Solutions: Experimental Measurements and COSMO-RS Concentration Dependent Reactions Investigations. International Journal of Molecular Sciences, 2021, 22, 7365.	1.8	15
7	Thermodynamic Characteristics of Phenacetin in Solid State and Saturated Solutions in Several Neat and Binary Solvents. Molecules, 2021, 26, 4078.	1.7	11
8	Experimental and Theoretical Screening for Green Solvents Improving Sulfamethizole Solubility. Materials, 2021, 14, 5915.	1.3	13
9	Albuminâ€“Hyaluronan Interactions: Influence of Ionic Composition Probed by Molecular Dynamics. International Journal of Molecular Sciences, 2021, 22, 12360.	1.8	12
10	Solubility of sulfanilamide in binary solvents containing water: Measurements and prediction using Buchowski-Ksiazczak solubility model. Journal of Molecular Liquids, 2020, 319, 114342.	2.3	19
11	Application 2D Descriptors and Artificial Neural Networks for Beta-Glucosidase Inhibitors Screening. Molecules, 2020, 25, 5942.	1.7	7
12	Predicting Value of Binding Constants of Organic Ligands to Beta-Cyclodextrin: Application of MARSplines and Descriptors Encoded in SMILES String. Symmetry, 2019, 11, 922.	1.1	5
13	The use of fast molecular descriptors and artificial neural networks approach in organochlorine compounds electron ionization mass spectra classification. Environmental Science and Pollution Research, 2019, 26, 28188-28201.	2.7	3
14	Experimental and theoretical solubility advantage screening of bi-component solid curcumin formulations. Journal of Drug Delivery Science and Technology, 2019, 50, 125-135.	1.4	9
15	Application of Multivariate Adaptive Regression Splines (MARSplines) Methodology for Screening of Dicarboxylic Acid Cocrystal Using 1D and 2D Molecular Descriptors. Crystal Growth and Design, 2019, 19, 3876-3887.	1.4	26
16	Natural Deep Eutectic Solvents as Agents for Improving Solubility, Stability and Delivery of Curcumin. Pharmaceutical Research, 2019, 36, 116.	1.7	122
17	Solubility advantage of sulfanilamide and sulfacetamide in natural deep eutectic systems: experimental and theoretical investigations. Drug Development and Industrial Pharmacy, 2019, 45, 1120-1129.	0.9	24
18	Application of Multivariate Adaptive Regression Splines (MARSplines) for Predicting Hansen Solubility Parameters Based on 1D and 2D Molecular Descriptors Computed from SMILES String. Journal of Chemistry, 2019, 2019, 1-15.	0.9	10

#	Article	IF	Citations
19	Distinguishing Cocrystals from Simple Eutectic Mixtures: Phenolic Acids as Potential Pharmaceutical Coformers. Crystal Growth and Design, 2018, 18, 3524-3534.	1.4	34
20	Studies on the formation of formaldehyde during 2-ethylhexyl 4-(dimethylamino)benzoate demethylation in the presence of reactive oxygen and chlorine species. Environmental Science and Pollution Research, 2017, 24, 8049-8061.	2.7	10
21	Applicability of Phenolic Acids as Effective Enhancers of Cocrystal Solubility of Methylxanthines. Crystal Growth and Design, 2017, 17, 2186-2193.	1.4	29
22	Selection of effective cocrystals former for dissolution rate improvement of active pharmaceutical ingredients based on lipoaffinity index. European Journal of Pharmaceutical Sciences, 2017, 107, 87-96.	1.9	30
23	Exploring the cocrystallization potential of urea and benzamide. Journal of Molecular Modeling, 2016, 22, 103.	0.8	19
24	Propensity of salicylamide and ethenzamide cocrystallization with aromatic carboxylic acids. European Journal of Pharmaceutical Sciences, 2016, 85, 132-140.	1.9	20
25	Formation of chlorinated breakdown products during degradation of sunscreen agent, 2-ethylhexyl-4-methoxycinnamate in the presence of sodium hypochlorite. Environmental Science and Pollution Research, 2016, 23, 1886-1897.	2.7	30
26	Utilization of oriented crystal growth for screening of aromatic carboxylic acids cocrystallization with urea. Journal of Crystal Growth, 2016, 433, 128-138.	0.7	16
27	On the origin of surfaces-dependent growth of benzoic acid crystal inferred through the droplet evaporation method. Structural Chemistry, 2015, 26, 705-712.	1.0	14
28	On the origin of surface imposed anisotropic growth of salicylic and acetylsalicylic acids crystals during droplet evaporation. Journal of Molecular Modeling, 2015, 21, 49.	0.8	18
29	Experimental and theoretical studies on the photodegradation of 2-ethylhexyl 4-methoxycinnamate in the presence of reactive oxygen and chlorine species. Open Chemistry, 2014, 12, 612-623.	1.0	20
30	Color prediction from first principle quantum chemistry computations: a case of alizarin dissolved in methanol. New Journal of Chemistry, 2012, 36, 1836.	1.4	26
31	Reaction of aniline with ammonium persulphate and concentrated hydrochloric acid: Experimental and DFT studies. Chemical Papers, 2012, 66, .	1.0	10