

# Maciej Przybyłek

## 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.

29  
papers

359  
citations

13  
h-index

18  
g-index

31  
ext. papers

480  
ext. citations

3.8  
avg, IF

4.35  
L-index

#	Paper	IF	Citations
29	New Screening Protocol for Effective Green Solvents Selection of Benzamide, Salicylamide and Ethenzamide. <i>Molecules</i> , <b>2022</b> , 27, 3323	4.8	0
28	Experimental and Theoretical Screening for Green Solvents Improving Sulfamethizole Solubility. <i>Materials</i> , <b>2021</b> , 14,	3.5	3
27	Solvent Screening for Solubility Enhancement of Theophylline in Neat, Binary and Ternary NADES Solvents: New Measurements and Ensemble Machine Learning. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	5
26	Thermodynamics and Intermolecular Interactions of Nicotinamide in Neat and Binary Solutions: Experimental Measurements and COSMO-RS Concentration Dependent Reactions Investigations. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	2
25	Studies on the solid-liquid equilibria and intermolecular interactions Urea binary mixtures with Sulfanilamide and Sulfacetamide. <i>Journal of Chemical Thermodynamics</i> , <b>2021</b> , 153, 106308	2.9	5
24	Experimental and theoretical studies on the Sulfamethazine-Urea and Sulfamethizole-Urea solid-liquid equilibria. <i>Journal of Drug Delivery Science and Technology</i> , <b>2021</b> , 61, 102186	4.5	4
23	Thermodynamic Characteristics of Phenacetin in Solid State and Saturated Solutions in Several Neat and Binary Solvents. <i>Molecules</i> , <b>2021</b> , 26,	4.8	3
22	Application 2D Descriptors and Artificial Neural Networks for Beta-Glucosidase Inhibitors Screening. <i>Molecules</i> , <b>2020</b> , 25,	4.8	1
21	Solubility of sulfanilamide in binary solvents containing water: Measurements and prediction using Buchowski-Ksiazczak solubility model. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 319, 114342	6	11
20	The use of fast molecular descriptors and artificial neural networks approach in organochlorine compounds electron ionization mass spectra classification. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 28188-28201	5.1	1
19	Experimental and theoretical solubility advantage screening of bi-component solid curcumin formulations. <i>Journal of Drug Delivery Science and Technology</i> , <b>2019</b> , 50, 125-135	4.5	8
18	Application of Multivariate Adaptive Regression Splines (MARSplines) Methodology for Screening of Dicarboxylic Acid Cocrystal Using 1D and 2D Molecular Descriptors. <i>Crystal Growth and Design</i> , <b>2019</b> , 19, 3876-3887	3.5	13
17	Natural Deep Eutectic Solvents as Agents for Improving Solubility, Stability and Delivery of Curcumin. <i>Pharmaceutical Research</i> , <b>2019</b> , 36, 116	4.5	65
16	Solubility advantage of sulfanilamide and sulfacetamide in natural deep eutectic systems: experimental and theoretical investigations. <i>Drug Development and Industrial Pharmacy</i> , <b>2019</b> , 45, 1120-1129	3.6	15
15	Application of Multivariate Adaptive Regression Splines (MARSplines) for Predicting Hansen Solubility Parameters Based on 1D and 2D Molecular Descriptors Computed from SMILES String. <i>Journal of Chemistry</i> , <b>2019</b> , 2019, 1-15	2.3	5
14	Predicting Value of Binding Constants of Organic Ligands to Beta-Cyclodextrin: Application of MARSplines and Descriptors Encoded in SMILES String. <i>Symmetry</i> , <b>2019</b> , 11, 922	2.7	2
13	Distinguishing Cocrystals from Simple Eutectic Mixtures: Phenolic Acids as Potential Pharmaceutical Coformers. <i>Crystal Growth and Design</i> , <b>2018</b> , 18, 3524-3534	3.5	28

12	Studies on the formation of formaldehyde during 2-ethylhexyl 4-(dimethylamino)benzoate demethylation in the presence of reactive oxygen and chlorine species. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 8049-8061	5.1	5
11	Applicability of Phenolic Acids as Effective Enhancers of Cocrystal Solubility of Methylxanthines. <i>Crystal Growth and Design</i> , <b>2017</b> , 17, 2186-2193	3.5	19
10	Selection of effective cocrystals former for dissolution rate improvement of active pharmaceutical ingredients based on lipoaffinity index. <i>European Journal of Pharmaceutical Sciences</i> , <b>2017</b> , 107, 87-96	5.1	21
9	Propensity of salicylamide and ethenzamide cocrystallization with aromatic carboxylic acids. <i>European Journal of Pharmaceutical Sciences</i> , <b>2016</b> , 85, 132-40	5.1	19
8	Formation of chlorinated breakdown products during degradation of sunscreen agent, 2-ethylhexyl-4-methoxycinnamate in the presence of sodium hypochlorite. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 1886-97	5.1	19
7	Utilization of oriented crystal growth for screening of aromatic carboxylic acids cocrystallization with urea. <i>Journal of Crystal Growth</i> , <b>2016</b> , 433, 128-138	1.6	13
6	Exploring the cocrystallization potential of urea and benzamide. <i>Journal of Molecular Modeling</i> , <b>2016</b> , 22, 103	2	15
5	On the origin of surfaces-dependent growth of benzoic acid crystal inferred through the droplet evaporation method. <i>Structural Chemistry</i> , <b>2015</b> , 26, 705-712	1.8	12
4	On the origin of surface imposed anisotropic growth of salicylic and acetylsalicylic acids crystals during droplet evaporation. <i>Journal of Molecular Modeling</i> , <b>2015</b> , 21, 49	2	16
3	Experimental and theoretical studies on the photodegradation of 2-ethylhexyl 4-methoxycinnamate in the presence of reactive oxygen and chlorine species. <i>Open Chemistry</i> , <b>2014</b> , 12, 612-623	1.6	19
2	Reaction of aniline with ammonium persulphate and concentrated hydrochloric acid: Experimental and DFT studies. <i>Chemical Papers</i> , <b>2012</b> , 66,	1.9	9
1	Color prediction from first principle quantum chemistry computations: a case of alizarin dissolved in methanol. <i>New Journal of Chemistry</i> , <b>2012</b> , 36, 1836	3.6	20