# Maciej Przybylek

## List of Publications by Citations



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|---|---|---|---|
| 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 | Natural Deep Eutectic Solvents as Agents for Improving Solubility, Stability and Delivery of Curcumin. *Pharmaceutical Research*, **2019**, 36, 116 | 4.5 | 65 |
| 28 | Distinguishing Cocrystals from Simple Eutectic Mixtures: Phenolic Acids as Potential Pharmaceutical Coformers. *Crystal Growth and Design*, **2018**, 18, 3524-3534 | 3.5 | 28 |
| 27 | 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 | 5.1 | 21 |
| 26 | Color prediction from first principle quantum chemistry computations: a case of alizarin dissolved in methanol. *New Journal of Chemistry*, **2012**, 36, 1836 | 3.6 | 20 |
| 25 | Applicability of Phenolic Acids as Effective Enhancers of Cocrystal Solubility of Methylxanthines. *Crystal Growth and Design*, **2017**, 17, 2186-2193 | 3.5 | 19 |
| 24 | Propensity of salicylamide and ethenzamide cocrystallization with aromatic carboxylic acids. *European Journal of Pharmaceutical Sciences*, **2016**, 85, 132-40 | 5.1 | 19 |
| 23 | 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, 1886-97 | 5.1 | 19 |
| 22 | 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 | 1.6 | 19 |
| 21 | On the origin of surface imposed anisotropic growth of salicylic and acetylsalicylic acids crystals during droplet evaporation. *Journal of Molecular Modeling*, **2015**, 21, 49 | 2 | 16 |
| 20 | Solubility advantage of sulfanilamide and sulfacetamide in natural deep eutectic systems: experimental and theoretical investigations. *Drug Development and Industrial Pharmacy*, **2019**, 45, 1120-1129 | 3.6 | 15 |
| 19 | Exploring the cocrystallization potential of urea and benzamide. *Journal of Molecular Modeling*, **2016**, 22, 103 | 2 | 15 |
| 18 | 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 | 3.5 | 13 |
| 17 | Utilization of oriented crystal growth for screening of aromatic carboxylic acids cocrystallization with urea. *Journal of Crystal Growth*, **2016**, 433, 128-138 | 1.6 | 13 |
| 16 | On the origin of surfaces-dependent growth of benzoic acid crystal inferred through the droplet evaporation method. *Structural Chemistry*, **2015**, 26, 705-712 | 1.8 | 12 |
| 15 | Solubility of sulfanilamide in binary solvents containing water: Measurements and prediction using Buchowski-Ksiazczak solubility model. *Journal of Molecular Liquids*, **2020**, 319, 114342 | 6 | 11 |
| 14 | Reaction of aniline with ammonium persulphate and concentrated hydrochloric acid: Experimental and DFT studies. *Chemical Papers*, **2012**, 66, | 1.9 | 9 |
| 13 | Experimental and theoretical solubility advantage screening of bi-component solid curcumin formulations. *Journal of Drug Delivery Science and Technology*, **2019**, 50, 125-135 | 4.5 | 8 |

# List of Publications

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|---|---|---|---|
| 12 | 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 | 5.1 | 5 |
| 11 | 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 | 2.3 | 5 |
| 10 | 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, | 6.3 | 5 |
| 9 | Studies on the solid□quid equilibria and intermolecular interactions Urea binary mixtures with Sulfanilamide and Sulfacetamide. *Journal of Chemical Thermodynamics*, **2021**, 153, 106308 | 2.9 | 5 |
| 8 | Experimental and theoretical studies on the Sulfamethazine-Urea and Sulfamethizole-Urea solid-liquid equilibria. *Journal of Drug Delivery Science and Technology*, **2021**, 61, 102186 | 4.5 | 4 |
| 7 | Experimental and Theoretical Screening for Green Solvents Improving Sulfamethizole Solubility. *Materials*, **2021**, 14, | 3.5 | 3 |
| 6 | Thermodynamic Characteristics of Phenacetin in Solid State and Saturated Solutions in Several Neat and Binary Solvents. *Molecules*, **2021**, 26, | 4.8 | 3 |
| 5 | Predicting Value of Binding Constants of Organic Ligands to Beta-Cyclodextrin: Application of MARSplines and Descriptors Encoded in SMILES String. *Symmetry*, **2019**, 11, 922 | 2.7 | 2 |
| 4 | 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, | 6.3 | 2 |
| 3 | 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 | 5.1 | 1 |
| 2 | Application 2D Descriptors and Artificial Neural Networks for Beta-Glucosidase Inhibitors Screening. *Molecules*, **2020**, 25, | 4.8 | 1 |
| 1 | New Screening Protocol for Effective Green Solvents Selection of Benzamide, Salicylamide and Ethenzamide. *Molecules*, **2022**, 27, 3323 | 4.8 | 0 |