Jakub Szlek

List of Publications by Year in Descending Order

25 papers	273 citations	10 h-index	15 g-index
31 ext. papers	310 ext. citations	4 avg, IF	2.99 L-index

#	Paper	IF	Citations
25	Computational Intelligence Model of Orally Disintegrating Tablets: An Attempt to Explain Disintegration Process. *Engineering Proceedings*, **2021**, 11, 24	0.5	
24	Evolutionary Algorithms in Modeling Aerodynamic Properties of Spray-Dried Microparticulate Systems. *Applied Sciences (Switzerland)*, **2020**, 10, 7109	2.6	
23	CardiacPBPK: A tool for the prediction and visualization of time-concentration profiles of drugs in heart tissue. *Computers in Biology and Medicine*, **2019**, 115, 103484	7	2
22	Evaluation of carrier size and surface morphology in carrier-based dry powder inhalation by surrogate modeling. *Chemical Engineering Science*, **2019**, 193, 144-155	4.4	5
21	Carrier optimization of pulmonary powder systems with using computational intelligence tools. *Powder Technology*, **2018**, 329, 76-84	5.2	3
20	Quantitative Assessment of the Physiological Parameters Influencing QT Interval Response to Medication: Application of Computational Intelligence Tools. *Computational and Mathematical Methods in Medicine*, **2018**, 2018, 3719703	2.8	2
19	Molecular Disorder of Bicalutamide-Amorphous Solid Dispersions Obtained by Solvent Methods. *Pharmaceutics*, **2018**, 10,	6.4	11
18	Computational intelligence models to predict porosity of tablets using minimum features. *Drug Design, Development and Therapy*, **2017**, 11, 193-202	4.4	7
17	Effect of roll compaction on granule size distribution of microcrystalline cellulose-mannitol mixtures: computational intelligence modeling and parametric analysis. *Drug Design, Development and Therapy*, **2017**, 11, 241-251	4.4	9
16	Physicochemical Properties of Bosentan and Selected PDE-5 Inhibitors in the Design of Drugs for Rare Diseases. *AAPS PharmSciTech*, **2017**, 18, 1318-1331	3.9	23
15	Computational intelligence modeling of granule size distribution for oscillating milling. *Powder Technology*, **2016**, 301, 1252-1258	5.2	31
14	Transparent computational intelligence models for pharmaceutical tableting process. *Complex Adaptive Systems Modeling*, **2016**, 4,	1.8	7
13	Computational Intelligence Modeling of the Macromolecules Release from PLGA Microspheres-Focus on Feature Selection. *PLoS ONE*, **2016**, 11, e0157610	3.7	20
12	Empirical search for factors affecting mean particle size of PLGA microspheres containing macromolecular drugs. *Computer Methods and Programs in Biomedicine*, **2016**, 134, 137-47	6.9	12
11	Enhanced QSAR models for drug-triggered inhibition of the main cardiac ion currents. *Journal of Applied Toxicology*, **2015**, 35, 1030-9	4.1	11
10	Preformulation studies on solid self-emulsifying systems in powder form containing magnesium aluminometasilicate as porous carrier. *AAPS PharmSciTech*, **2015**, 16, 623-35	3.9	23
9	From Black-Box to Transparent Computational Intelligence Models: A Pharmaceutical Case Study **2015**,		5

8	Empirical modeling of the fine particle fraction for carrier-based pulmonary delivery formulations. *International Journal of Nanomedicine*, **2015**, 10, 801-10	7.3	9
7	From Heuristic to Mathematical Modeling of Drugs Dissolution Profiles: Application of Artificial Neural Networks and Genetic Programming. *Computational and Mathematical Methods in Medicine*, **2015**, 2015, 863874	2.8	14
6	Surface Modification of Pollen-Shape Carriers for Dry Powder Inhalation through Surface Etching. *Industrial & Engineering Chemistry Research*, **2014**, 53, 19943-19950	3.9	4
5	ME_expert 2.0: a heuristic decision support system for microemulsions formulation development **2013**, 39-71		4
4	Heuristic modeling of macromolecule release from PLGA microspheres. *International Journal of Nanomedicine*, **2013**, 8, 4601-11	7.3	25
3	PhEq_bootstrap: Open-Source Software for the Simulation of f2 Distribution in Cases of Large Variability in Dissolution Profiles. *Dissolution Technologies*, **2013**, 20, 13-17	1.7	10
2	Analysis of pellet properties with use of artificial neural networks. *European Journal of Pharmaceutical Sciences*, **2010**, 41, 421-9	5.1	25
1	Determination of lipophilicity of alpha-(4-phenylpiperazine) derivatives of N-benzylamides using chromatographic and computational methods. *Biomedical Chromatography*, **2008**, 22, 428-32	1.7	8