

# Renata Jachowicz

## List of Publications by Year in descending order

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49  
papers

1,439  
citations

393982

19  
h-index

329751

37  
g-index

50  
all docs

50  
docs citations

50  
times ranked

1721  
citing authors

#	ARTICLE	IF	CITATIONS
1	3D Printing in Pharmaceutical and Medical Applications – Recent Achievements and Challenges. <i>Pharmaceutical Research</i> , 2018, 35, 176.	1.7	428
2	3D printed orodispersible films with Aripiprazole. <i>International Journal of Pharmaceutics</i> , 2017, 533, 413-420.	2.6	182
3	KinetDS: An Open Source Software for Dissolution Test Data Analysis. <i>Dissolution Technologies</i> , 2012, 19, 6-11.	0.2	94
4	Orodispersible films and tablets with prednisolone microparticles. <i>European Journal of Pharmaceutical Sciences</i> , 2015, 75, 81-90.	1.9	76
5	3D printing of tablets containing amorphous aripiprazole by filaments co-extrusion. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 131, 44-47.	2.0	43
6	Speed it up, slow it down – An issue of bicalutamide release from 3D printed tablets. <i>European Journal of Pharmaceutical Sciences</i> , 2020, 143, 105169.	1.9	41
7	Computational intelligence modeling of granule size distribution for oscillating milling. <i>Powder Technology</i> , 2016, 301, 1252-1258.	2.1	38
8	Planetary ball milling and supercritical fluid technology as a way to enhance dissolution of bicalutamide. <i>International Journal of Pharmaceutics</i> , 2017, 533, 470-479.	2.6	36
9	Heuristic modeling of macromolecule release from PLGA microspheres. <i>International Journal of Nanomedicine</i> , 2013, 8, 4601.	3.3	35
10	Neural network as a decision support system in the development of pharmaceutical formulation – focus on solid dispersions. <i>Expert Systems With Applications</i> , 2005, 28, 285-294.	4.4	34
11	Analysis of pellet properties with use of artificial neural networks. <i>European Journal of Pharmaceutical Sciences</i> , 2010, 41, 421-429.	1.9	30
12	Orodispersible films containing ball milled aripiprazole-poloxamer 407 solid dispersions. <i>International Journal of Pharmaceutics</i> , 2020, 575, 118955.	2.6	30
13	High energy ball milling and supercritical carbon dioxide impregnation as co-processing methods to improve dissolution of tadalafil. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 95, 130-137.	1.9	25
14	The Self-Assembly Phenomenon of Poloxamers and Its Effect on the Dissolution of a Poorly Soluble Drug from Solid Dispersions Obtained by Solvent Methods. <i>Pharmaceutics</i> , 2019, 11, 130.	2.0	25
15	The Impact of the Preparation Method on the Properties of Orodispersible Films with Aripiprazole: Electrospinning vs. Casting and 3D Printing Methods. <i>Pharmaceutics</i> , 2021, 13, 1122.	2.0	24
16	The practical approach to the evaluation of methods used to determine the disintegration time of orally disintegrating tablets (ODTs). <i>Saudi Pharmaceutical Journal</i> , 2015, 23, 437-443.	1.2	23
17	Computational Intelligence Modeling of the Macromolecules Release from PLGA Microspheres – Focus on Feature Selection. <i>PLoS ONE</i> , 2016, 11, e0157610.	1.1	23
18	How can we improve the physical stability of co-amorphous system containing flutamide and bicalutamide? The case of ternary amorphous solid dispersions. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 136, 104947.	1.9	22

#	ARTICLE	IF	CITATIONS
19	Multivariate Design of 3D Printed Immediate-Release Tablets with Liquid Crystal-Forming Drug—Itraconazole. <i>Materials</i> , 2020, 13, 4961.	1.3	20
20	Empirical search for factors affecting mean particle size of PLGA microspheres containing macromolecular drugs. <i>Computer Methods and Programs in Biomedicine</i> , 2016, 134, 137-147.	2.6	18
21	From Heuristic to Mathematical Modeling of Drugs Dissolution Profiles: Application of Artificial Neural Networks and Genetic Programming. <i>Computational and Mathematical Methods in Medicine</i> , 2015, 2015, 1-9.	0.7	17
22	Enhanced dissolution of solid dispersions containing bicalutamide subjected to mechanical stress. <i>International Journal of Pharmaceutics</i> , 2018, 542, 18-26.	2.6	17
23	How Does the Addition of Kollidon®VA64 Inhibit the Recrystallization and Improve Ezetimibe Dissolution from Amorphous Solid Dispersions?. <i>Pharmaceutics</i> , 2021, 13, 147.	2.0	16
24	Molecular Disorder of Bicalutamide® Amorphous Solid Dispersions Obtained by Solvent Methods. <i>Pharmaceutics</i> , 2018, 10, 194.	2.0	15
25	Empirical modeling of the fine particle fraction for&nbsp;carrier-based pulmonary delivery formulations. <i>International Journal of Nanomedicine</i> , 2015, 10, 801.	3.3	13
26	Effect of roll compaction on granule size distribution of microcrystalline cellulose&ndash;mannitol mixtures: computational intelligence modeling and parametric analysis. <i>Drug Design, Development and Therapy</i> , 2017, Volume11, 241-251.	2.0	13
27	Compression-Induced Phase Transitions of Bicalutamide. <i>Pharmaceutics</i> , 2020, 12, 438.	2.0	13
28	Application of artificial neural networks (ANNs) and genetic programming (GP) for prediction of drug release from solid lipid matrices. <i>International Journal of Pharmaceutics</i> , 2012, 436, 877-879.	2.6	11
29	How to Obtain the Maximum Properties Flexibility of 3D Printed Ketoprofen Tablets Using Only One Drug-Loaded Filament?. <i>Molecules</i> , 2021, 26, 3106.	1.7	10
30	Computational intelligence models to predict porosity of tablets using minimum features. <i>Drug Design, Development and Therapy</i> , 2017, Volume11, 193-202.	2.0	9
31	Molecular Dynamics and Physical Stability of Ibuprofen in Binary Mixtures with an Acetylated Derivative of Maltose. <i>Molecular Pharmaceutics</i> , 2020, 17, 3087-3105.	2.3	9
32	Data-Driven Modeling of the Bicalutamide Dissolution from Powder Systems. <i>AAPS PharmSciTech</i> , 2020, 21, 111.	1.5	9
33	Fused Deposition Modeling as a Possible Approach for the Preparation of Orodispersible Tablets. <i>Pharmaceutics</i> , 2022, 15, 69.	1.7	9
34	Development of<i>In Vitro</i>-<i>In Vivo</i>Correlation/Relationship Modeling Approaches for Immediate Release Formulations Using Compartmental Dynamic Dissolution Data from “Golem” A Novel Apparatus. <i>BioMed Research International</i> , 2015, 2015, 1-13.	0.9	8
35	Transparent computational intelligence models for pharmaceutical tableting process. <i>Complex Adaptive Systems Modeling</i> , 2016, 4, .	1.6	8
36	Tableting solid dispersions of bicalutamide prepared using ball-milling or supercritical carbon dioxide: the interrelationship between phase transition and <i>in-vitro</i> dissolution. <i>Pharmaceutical Development and Technology</i> , 2020, 25, 1109-1117.	1.1	4

#	ARTICLE	IF	CITATIONS
37	Carrier optimization of pulmonary powder systems with using computational intelligence tools. Powder Technology, 2018, 329, 76-84.	2.1	3
38	How Does the CO <sub>2</sub> in Supercritical State Affect the Properties of Drug-Polymer Systems, Dissolution Performance and Characteristics of Tablets Containing Bicalutamide?. Materials, 2020, 13, 2848.	1.3	2
39	Application and Multi-Stage Optimization of Daylight Polymer 3D Printing of Personalized Medicine Products. Pharmaceutics, 2022, 14, 843.	2.0	2
40	Lipid peroxidation in parenteral nutrition admixtures - prooxidative and antioxidative factors, as well as their clinical significance. Farmacja Polska, 2019, 75, 638-647.	0.1	1
41	Evolutionary Algorithms in Modeling Aerodynamic Properties of Spray-Dried Microparticulate Systems. Applied Sciences (Switzerland), 2020, 10, 7109.	1.3	0
42	Minitablets as a dosage form convenient for pediatric and geriatric patients. Farmacja Polska, 2021, 76, 633-646.	0.1	0
43	Prescription drug forms with midazolam. Farmacja Polska, 2021, 76, 711-715.	0.1	0
44	NEW TECHNOLOGICAL SOLUTIONS IN THE ASPECT OF TOPICAL AND ORAL ADMINISTRATION OF RESVERATROL. Farmacja Polska, 2019, 75, 599-604.	0.1	0
45	Orodispersible films (ODF) in individualized therapy. Farmacja Polska, 2019, 75, 568-574.	0.1	0
46	Pharmaceutical industry before COVID-19. Farmacja Polska, 2020, 76, 269-274.	0.1	0
47	Nanofibers as a drug carrier in ophthalmic therapy. Farmacja Polska, 2021, 77, 690-696.	0.1	0
48	How Does Long-Term Storage Influence the Physical Stability and Dissolution of Bicalutamide from Solid Dispersions and Minitablets?. Processes, 2022, 10, 1002.	1.3	0
49	Modern solutions in the area of eye drops packaging. Farmacja Polska, 2022, 78, 201-208.	0.1	0