

# Tibor Casian

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

403  
citations

759055

12  
h-index

752573

20  
g-index

23  
all docs

23  
docs citations

23  
times ranked

490  
citing authors

#	ARTICLE	IF	CITATIONS
1	The applicability of pharmaceutical polymeric blends for the fused deposition modelling (FDM) 3D technique: Material considerationsâ€“printabilityâ€“process modulation, with consecutive effects on in vitro release, stability and degradation. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 129, 110-123.	1.9	106
2	Development, validation and comparison of near infrared and Raman spectroscopic methods for fast characterization of tablets with amlodipine and valsartan. <i>Talanta</i> , 2017, 167, 333-343.	2.9	39
3	Electrospun amorphous solid dispersions of meloxicam: Influence of polymer type and downstream processing to orodispersible dosage forms. <i>International Journal of Pharmaceutics</i> , 2019, 569, 118593.	2.6	27
4	3D floating tablets: Appropriate 3D design from the perspective of different in vitro dissolution testing methodologies. <i>International Journal of Pharmaceutics</i> , 2019, 567, 118433.	2.6	27
5	QbD for pediatric oral lyophilisates development: risk assessment followed by screening and optimization. <i>Drug Development and Industrial Pharmacy</i> , 2017, 43, 1932-1944.	0.9	25
6	Fluidised bed granulation of two APIs: QbD approach and development of a NIR in-line monitoring method. <i>Asian Journal of Pharmaceutical Sciences</i> , 2020, 15, 506-517.	4.3	23
7	Assessment of oral formulation-dependent characteristics of orodispersible tablets using texture profiles and multivariate data analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 152, 47-56.	1.4	20
8	Data fusion strategies for performance improvement of a Process Analytical Technology platform consisting of four instruments: An electrospinning case study. <i>International Journal of Pharmaceutics</i> , 2019, 567, 118473.	2.6	17
9	QbD guided development of immediate release FDM-3D printed tablets with customizable API doses. <i>International Journal of Pharmaceutics</i> , 2022, 613, 121411.	2.6	17
10	Videometric mass flow control: A new method for real-time measurement and feedback control of powder micro-feeding based on image analysis. <i>International Journal of Pharmaceutics</i> , 2020, 580, 119223.	2.6	16
11	Biologically Active Ajuga Species Extracts Modulate Supportive Processes for Cancer Cell Development. <i>Frontiers in Pharmacology</i> , 2019, 10, 334.	1.6	15
12	Combination of PAT and mechanistic modeling tools in a fully continuous powder to granule line: Rapid and deep process understanding. <i>Powder Technology</i> , 2021, 388, 70-81.	2.1	14
13	Liposomal simvastatin sensitizes C26 murine colon carcinoma to the antitumor effects of liposomal 5â€“fluorouracil in vivo. <i>Cancer Science</i> , 2020, 111, 1344-1356.	1.7	13
14	Near Infra-Red spectroscopy for content uniformity of powder blends â€“ Focus on calibration set development, orthogonality transfer and robustness testing. <i>Talanta</i> , 2018, 188, 404-416.	2.9	10
15	In-Depth Understanding of Granule Compression Behavior under Variable Raw Material and Processing Conditions. <i>Pharmaceutics</i> , 2022, 14, 177.	2.0	8
16	Multivariate feed forward process control and optimization of an industrial, granulation based tablet manufacturing line using historical data. <i>International Journal of Pharmaceutics</i> , 2020, 591, 119988.	2.6	7
17	Testing the Limits of a Portable NIR Spectrometer: Content Uniformity of Complex Powder Mixtures Followed by Calibration Transfer for In-Line Blend Monitoring. <i>Molecules</i> , 2021, 26, 1129.	1.7	5
18	APPLYING THE PRINCIPLES OF QUALITY BY DESIGN (QBD) COUPLED WITH MULTIVARIATE DATA ANALYSIS (MVDA) IN ESTABLISHING THE IMPACT OF RAW MATERIAL VARIABILITY FOR EXTENDED RELEASE TABLETS. <i>Farmacia</i> , 2021, 69, 481-497.	0.1	5

#	ARTICLE	IF	CITATIONS
19	NIR spectroscopy for monitoring of the critical manufacturing steps and quality attributes of paliperidone prolonged release tablets. Journal of Molecular Structure, 2022, 1247, 131326.	1.8	4
20	Quality by Design Considerations for the Development of Lyophilized Products. , 2019, , 193-207.		2
21	IN-LINE FLUID BED GRANULATION MONITORING BY NIR SPECTROSCOPY. METHOD DEVELOPMENT AND VALIDATION. Farmacia, 2019, 67, 248-257.	0.1	2
22	Multivariate Calibration for the Development of Vibrational Spectroscopic Methods. , 2018, , .		1
23	Multivariate modelling for investigating the impact of raw materials and process variability on high drug load immediate release tablets obtained through wet granulation. , 2020, , .		0