

Hajnalka Pataki

List of Publications by Year in descending order

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41
papers

1,422
citations

361388

20
h-index

315719

38
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42
all docs

42
docs citations

42
times ranked

1522
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of Recent Process Analytical Technology (PAT) Trends: A Multiauthor Review. <i>Organic Process Research and Development</i> , 2015, 19, 3-62.	2.7	329
2	High speed electrospinning for scaled-up production of amorphous solid dispersion of itraconazole. <i>International Journal of Pharmaceutics</i> , 2015, 480, 137-142.	5.2	155
3	Solvent-Free Melt Electrospinning for Preparation of Fast Dissolving Drug Delivery System and Comparison with Solvent-Based Electrospun and Melt Extruded Systems. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 508-517.	3.3	117
4	Plasticized Drug-Loaded Melt Electrospun Polymer Mats: Characterization, Thermal Degradation, and Release Kinetics. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 1278-1287.	3.3	60
5	Applications of machine vision in pharmaceutical technology: A review. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 159, 105717.	4.0	50
6	Characterization of melt extruded and conventional Isoptin formulations using Raman chemical imaging and chemometrics. <i>International Journal of Pharmaceutics</i> , 2011, 419, 107-113.	5.2	47
7	Implementation of Raman Signal Feedback to Perform Controlled Crystallization of Carvedilol. <i>Organic Process Research and Development</i> , 2013, 17, 493-499.	2.7	47
8	Comparison of spray drying, electroblowing and electrospinning for preparation of Eudragit E and itraconazole solid dispersions. <i>International Journal of Pharmaceutics</i> , 2015, 494, 23-30.	5.2	44
9	End-to-end continuous manufacturing of conventional compressed tablets: From flow synthesis to tableting through integrated crystallization and filtration. <i>International Journal of Pharmaceutics</i> , 2020, 581, 119297.	5.2	42
10	Real-time feedback control of twin-screw wet granulation based on image analysis. <i>International Journal of Pharmaceutics</i> , 2018, 547, 360-367.	5.2	36
11	Testing the performance of pure spectrum resolution from Raman hyperspectral images of differently manufactured pharmaceutical tablets. <i>Analytica Chimica Acta</i> , 2012, 712, 45-55.	5.4	34
12	Characterization of drug-cyclodextrin formulations using Raman mapping and multivariate curve resolution. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 56, 38-44.	2.8	33
13	Preparation and comparison of spray dried and electrospun bioresorbable drug delivery systems. <i>European Polymer Journal</i> , 2015, 68, 671-679.	5.4	32
14	Inline noninvasive Raman monitoring and feedback control of glucose concentration during ethanol fermentation. <i>Biotechnology Progress</i> , 2019, 35, e2848.	2.6	31
15	On-line prediction of the glucose concentration of CHO cell cultivations by NIR and Raman spectroscopy: Comparative scalability test with a shake flask model system. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 145, 346-355.	2.8	28
16	In-Line Monitoring of Carvedilol Crystallization Using Raman Spectroscopy. <i>Crystal Growth and Design</i> , 2012, 12, 5621-5628.	3.0	27
17	Prediction of Bioequivalence and Food Effect Using Flux- and Solubility-Based Methods. <i>Molecular Pharmaceutics</i> , 2019, 16, 4121-4130.	4.6	26
18	Predicting final product properties of melt extruded solid dispersions from process parameters using Raman spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 98, 166-177.	2.8	25

#	ARTICLE	IF	CITATIONS
19	Feedback Control of Oximation Reaction by Inline Raman Spectroscopy. <i>Organic Process Research and Development</i> , 2015, 19, 189-195.	2.7	22
20	Oral bioavailability enhancement of flubendazole by developing nanofibrous solid dosage forms. <i>Drug Development and Industrial Pharmacy</i> , 2017, 43, 1126-1133.	2.0	22
21	Modeling of pharmaceutical filtration and continuous integrated crystallization-filtration processes. <i>Chemical Engineering Journal</i> , 2021, 413, 127566.	12.7	21
22	Stable formulation of protein-type drug in electrospun polymeric fiber followed by tableting and scaling-up experiments. <i>Polymers for Advanced Technologies</i> , 2015, 26, 1461-1467.	3.2	20
23	Comparison of multivariate linear regression methods in micro-Raman spectrometric quantitative characterization. <i>Journal of Raman Spectroscopy</i> , 2015, 46, 566-576.	2.5	19
24	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.	5.2	16
25	Raman-based dynamic feeding strategies using real-time glucose concentration monitoring system during adalimumab producing CHO cell cultivation. <i>Biotechnology Progress</i> , 2020, 36, e3052.	2.6	13
26	Development of a triple impinging jet mixer for continuous antisolvent crystallization of acetylsalicylic acid reaction mixture. <i>Chemical Engineering and Processing: Process Intensification</i> , 2021, 165, 108446.	3.6	13
27	Dynamic flowsheet model development and digital design of continuous pharmaceutical manufacturing with dissolution modeling of the final product. <i>Chemical Engineering Journal</i> , 2021, 419, 129947.	12.7	13
28	Quantification and handling of nonlinearity in Raman micro-spectrometry of pharmaceuticals. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 128, 236-246.	2.8	12
29	Direct Processing of a Flow Reaction Mixture Using Continuous Mixed Suspension Mixed Product Removal Crystallizer. <i>Crystal Growth and Design</i> , 2020, 20, 4433-4442.	3.0	12
30	Solvent effect on the vibrational spectra of Carvedilol. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 95, 148-164.	3.9	11
31	Raman-Based Feedback Control of the Enzymatic Hydrolysis of Lactose. <i>Organic Process Research and Development</i> , 2016, 20, 1721-1727.	2.7	11
32	Polymorphic Concentration Control for Crystallization Using Raman and Attenuated Total Reflectance Ultraviolet Visible Spectroscopy. <i>Crystal Growth and Design</i> , 2020, 20, 73-86.	3.0	11
33	Effect of ultrasound-assisted crystallization in the diastereomeric salt resolution of tetramisole enantiomers in ternary system with O,O'-dibenzoyl-(2R,3R)-tartaric acid. <i>Ultrasonics Sonochemistry</i> , 2016, 32, 8-17.	8.2	9
34	Variable clustering and spectral angle mapper-orthogonal projection method for Raman mapping of compound detection in tablets. <i>Journal of Chemometrics</i> , 2017, 31, e2861.	1.3	9
35	Revisit of solubility of oxytetracycline polymorphs. An old story in the light of new results. <i>European Journal of Pharmaceutical Sciences</i> , 2020, 149, 105328.	4.0	8
36	Towards more accurate solubility measurements with real time monitoring: a carvedilol case study. <i>New Journal of Chemistry</i> , 2021, 45, 11618-11625.	2.8	7

#	ARTICLE	IF	CITATIONS
37	Implementation of sonicated continuous plug flow crystallization technology for processing of acetylsalicylic acid reaction mixture. Powder Technology, 2022, 400, 117255.	4.2	4
38	Real-Time Monitoring of Continuous Pharmaceutical Mixed Suspension Mixed Product Removal Crystallization Using Image Analysis. Organic Process Research and Development, 2022, 26, 149-158.	2.7	3
39	Controlled Formation of Free-Flowing Carvedilol Particles in the Presence of Polyvinylpyrrolidone. Chemical Engineering and Technology, 2014, 37, 249-256.	1.5	2
40	Development of a Continuous Crystallization Process of the Spironolactone Hydrate Form with a Turbidity-Based Level Control Method. Organic Process Research and Development, 2021, 25, 760-768.	2.7	1
41	Folyamatos kristályosítási technológiák fejlesztése egy flow szintézissel előállított reakcióelegy direct feldolgozásához. , 2020, , .		0