

Hajnalka Pataki

List of Publications by Year in descending order

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41
papers

1,422
citations

361413
20
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315739
38
g-index

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. Organic Process Research and Development, 2015, 19, 3-62.	2.7	329
2	High speed electrospinning for scaled-up production of amorphous solid dispersion of itraconazole. International Journal of Pharmaceutics, 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. Journal of Pharmaceutical Sciences, 2013, 102, 508-517.	3.3	117
4	Plasticized Drug-Loaded Melt Electrospun Polymer Mats: Characterization, Thermal Degradation, and Release Kinetics. Journal of Pharmaceutical Sciences, 2014, 103, 1278-1287.	3.3	60
5	Applications of machine vision in pharmaceutical technology: A review. European Journal of Pharmaceutical Sciences, 2021, 159, 105717.	4.0	50
6	Characterization of melt extruded and conventional Isoptin formulations using Raman chemical imaging and chemometrics. International Journal of Pharmaceutics, 2011, 419, 107-113.	5.2	47
7	Implementation of Raman Signal Feedback to Perform Controlled Crystallization of Carvedilol. Organic Process Research and Development, 2013, 17, 493-499.	2.7	47
8	Comparison of spray drying, electroblowing and electrospinning for preparation of Eudragit E and itraconazole solid dispersions. International Journal of Pharmaceutics, 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. International Journal of Pharmaceutics, 2020, 581, 119297.	5.2	42
10	Real-time feedback control of twin-screw wet granulation based on image analysis. International Journal of Pharmaceutics, 2018, 547, 360-367.	5.2	36
11	Testing the performance of pure spectrum resolution from Raman hyperspectral images of differently manufactured pharmaceutical tablets. Analytica Chimica Acta, 2012, 712, 45-55.	5.4	34
12	Characterization of drug-cyclodextrin formulations using Raman mapping and multivariate curve resolution. Journal of Pharmaceutical and Biomedical Analysis, 2011, 56, 38-44.	2.8	33
13	Preparation and comparison of spray dried and electrospun bioresorbable drug delivery systems. European Polymer Journal, 2015, 68, 671-679.	5.4	32
14	Inline noninvasive Raman monitoring and feedback control of glucose concentration during ethanol fermentation. Biotechnology Progress, 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. Journal of Pharmaceutical and Biomedical Analysis, 2017, 145, 346-355.	2.8	28
16	In-Line Monitoring of Carvedilol Crystallization Using Raman Spectroscopy. Crystal Growth and Design, 2012, 12, 5621-5628.	3.0	27
17	Prediction of Bioequivalence and Food Effect Using Flux- and Solubility-Based Methods. Molecular Pharmaceutics, 2019, 16, 4121-4130.	4.6	26
18	Predicting final product properties of melt extruded solid dispersions from process parameters using Raman spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2014, 98, 166-177.	2.8	25

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19	Feedback Control of Oximation Reaction by Inline Raman Spectroscopy. Organic Process Research and Development, 2015, 19, 189-195.	2.7	22
20	Oral bioavailability enhancement of flubendazole by developing nanofibrous solid dosage forms. Drug Development and Industrial Pharmacy, 2017, 43, 1126-1133.	2.0	22
21	Modeling of pharmaceutical filtration and continuous integrated crystallization-filtration processes. Chemical Engineering Journal, 2021, 413, 127566.	12.7	21
22	Stable formulation of protein-type drug in electrospun polymeric fiber followed by tableting and scaling-up experiments. Polymers for Advanced Technologies, 2015, 26, 1461-1467.	3.2	20
23	Comparison of multivariate linear regression methods in micro-Raman spectrometric quantitative characterization. Journal of Raman Spectroscopy, 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. International Journal of Pharmaceutics, 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. Biotechnology Progress, 2020, 36, e3052.	2.6	13
26	Development of a triple impinging jet mixer for continuous antisolvent crystallization of acetylsalicylic acid reaction mixture. Chemical Engineering and Processing: Process Intensification, 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. Chemical Engineering Journal, 2021, 419, 129947.	12.7	13
28	Quantification and handling of nonlinearity in Raman micro-spectrometry of pharmaceuticals. Journal of Pharmaceutical and Biomedical Analysis, 2016, 128, 236-246.	2.8	12
29	Direct Processing of a Flow Reaction Mixture Using Continuous Mixed Suspension Mixed Product Removal Crystallizer. Crystal Growth and Design, 2020, 20, 4433-4442.	3.0	12
30	Solvent effect on the vibrational spectra of Carvedilol. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 95, 148-164.	3.9	11
31	Raman-Based Feedback Control of the Enzymatic Hydrolysis of Lactose. Organic Process Research and Development, 2016, 20, 1721-1727.	2.7	11
32	Polymorphic Concentration Control for Crystallization Using Raman and Attenuated Total Reflectance Ultraviolet Visible Spectroscopy. Crystal Growth and Design, 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. Ultrasonics Sonochemistry, 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. Journal of Chemometrics, 2017, 31, e2861.	1.3	9
35	Revisit of solubility of oxytetracycline polymorphs. An old story in the light of new results. European Journal of Pharmaceutical Sciences, 2020, 149, 105328.	4.0	8
36	Towards more accurate solubility measurements with real time monitoring: a carvedilol case study. New Journal of Chemistry, 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