Hajnalka Pataki

List of Publications by Year
in descending order

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41 papers	1,422 citations	411340 20 h-index	355658 38 g-index
42 all docs	42 docs citations	42 times ranked	1684 citing authors

#	Article	IF	Citations
1	Implementation of sonicated continuous plug flow crystallization technology for processing of acetylsalicylic acid reaction mixture. Powder Technology, 2022, 400, 117255.	2.1	4
2	Real-Time Monitoring of Continuous Pharmaceutical Mixed Suspension Mixed Product Removal Crystallization Using Image Analysis. Organic Process Research and Development, 2022, 26, 149-158.	1.3	3
3	Modeling of pharmaceutical filtration and continuous integrated crystallization-filtration processes. Chemical Engineering Journal, 2021, 413, 127566.	6.6	21
4	Towards more accurate solubility measurements with real time monitoring: a carvedilol case study. New Journal of Chemistry, 2021, 45, 11618-11625.	1.4	7
5	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.	1.3	1
6	Applications of machine vision in pharmaceutical technology: A review. European Journal of Pharmaceutical Sciences, 2021, 159, 105717.	1.9	50
7	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.	1.8	13
8	Dynamic flowsheet model development and digital design of continuous pharmaceutical manufacturing with dissolution modeling of the final product. Chemical Engineering Journal, 2021, 419, 129947.	6.6	13
9	Polymorphic Concentration Control for Crystallization Using Raman and Attenuated Total Reflectance Ultraviolet Visible Spectroscopy. Crystal Growth and Design, 2020, 20, 73-86.	1.4	11
10	<scp>Ramanâ€based</scp> dynamic feeding strategies using realâ€time glucose concentration monitoring system during adalimumab producing <scp>CHO</scp> cell cultivation. Biotechnology Progress, 2020, 36, e3052.	1.3	13
11	Direct Processing of a Flow Reaction Mixture Using Continuous Mixed Suspension Mixed Product Removal Crystallizer. Crystal Growth and Design, 2020, 20, 4433-4442.	1.4	12
12	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.	2.6	16
13	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.	2.6	42
14	Revisit of solubility of oxytetracycline polymorphs. An old story in the light of new results. European Journal of Pharmaceutical Sciences, 2020, 149, 105328.	1.9	8
15	Folyamatos kristÃ¡lyosÃtÃ¡si technolÃ³giÃ¡k fejlesztÃ©se egy flow szintÃ©zissel elÅ‘ÃllÃtott reakciÃ³elegy direct feldolgozÃ¡sÃ¡hoz. , 2020, , .		0
16	Prediction of Bioequivalence and Food Effect Using Flux- and Solubility-Based Methods. Molecular Pharmaceutics, 2019, 16, 4121-4130.	2.3	26
17	Inline noninvasive Raman monitoring and feedback control of glucose concentration during ethanol fermentation. Biotechnology Progress, 2019, 35, e2848.	1.3	31
18	Real-time feedback control of twin-screw wet granulation based on image analysis. International Journal of Pharmaceutics, 2018, 547, 360-367.	2.6	36

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19	Oral bioavailability enhancement of flubendazole by developing nanofibrous solid dosage forms. Drug Development and Industrial Pharmacy, 2017, 43, 1126-1133.	0.9	22
20	Variable clustering and spectral angle mapperâ€orthogonal projection method for Raman mapping of compound detection in tablets. Journal of Chemometrics, 2017, 31, e2861.	0.7	9
21	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.	1.4	28
22	Quantification and handling of nonlinearity in Raman micro-spectrometry of pharmaceuticals. Journal of Pharmaceutical and Biomedical Analysis, 2016, 128, 236-246.	1.4	12
23	Raman-Based Feedback Control of the Enzymatic Hydrolysis of Lactose. Organic Process Research and Development, 2016, 20, 1721-1727.	1.3	11
24	Effect of ultrasound-assisted crystallization in the diastereomeric salt resolution of tetramisole enantiomers in ternary system with O,Oâ€²-dibenzoyl-(2R,3R)-tartaric acid. Ultrasonics Sonochemistry, 2016, 32, 8-17.	3.8	9
25	Comparison of multivariate linear regression methods in micro-Raman spectrometric quantitative characterization. Journal of Raman Spectroscopy, 2015, 46, 566-576.	1.2	19
26	Stable formulation of proteinâ€type drug in electrospun polymeric fiber followed by tableting and scalingâ€up experiments. Polymers for Advanced Technologies, 2015, 26, 1461-1467.	1.6	20
27	Preparation and comparison of spray dried and electrospun bioresorbable drug delivery systems. European Polymer Journal, 2015, 68, 671-679.	2.6	32
28	High speed electrospinning for scaled-up production of amorphous solid dispersion of itraconazole. International Journal of Pharmaceutics, 2015, 480, 137-142.	2.6	155
29	Assessment of Recent Process Analytical Technology (PAT) Trends: A Multiauthor Review. Organic Process Research and Development, 2015, 19, 3-62.	1.3	329
30	Comparison of spray drying, electroblowing and electrospinning for preparation of Eudragit E and itraconazole solid dispersions. International Journal of Pharmaceutics, 2015, 494, 23-30.	2.6	44
31	Feedback Control of Oximation Reaction by Inline Raman Spectroscopy. Organic Process Research and Development, 2015, 19, 189-195.	1.3	22
32	Controlled Formation of Freeâ€Flowing Carvedilol Particles in the Presence of Polyvinylpyrrolidone. Chemical Engineering and Technology, 2014, 37, 249-256.	0.9	2
33	Plasticized Drugâ€Loaded Melt Electrospun Polymer Mats: Characterization, Thermal Degradation, and Release Kinetics. Journal of Pharmaceutical Sciences, 2014, 103, 1278-1287.	1.6	60
34	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.	1.4	25
35	Implementation of Raman Signal Feedback to Perform Controlled Crystallization of Carvedilol. Organic Process Research and Development, 2013, 17, 493-499.	1.3	47
36	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.	1.6	117

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37	Testing the performance of pure spectrum resolution from Raman hyperspectral images of differently manufactured pharmaceutical tablets. Analytica Chimica Acta, 2012, 712, 45-55.	2.6	34
38	In-Line Monitoring of Carvedilol Crystallization Using Raman Spectroscopy. Crystal Growth and Design, 2012, 12, 5621-5628.	1.4	27
39	Solvent effect on the vibrational spectra of Carvedilol. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 95, 148-164.	2.0	11
40	Characterization of melt extruded and conventional Isoptin formulations using Raman chemical imaging and chemometrics. International Journal of Pharmaceutics, 2011, 419, 107-113.	2.6	47
41	Characterization of drugâ€“cyclodextrin formulations using Raman mapping and multivariate curve resolution. Journal of Pharmaceutical and Biomedical Analysis, 2011, 56, 38-44.	1.4	33