

Jakob Rehrl

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

311
citations

1040056

9
h-index

839539

18
g-index

20
all docs

20
docs citations

20
times ranked

219
citing authors

#	ARTICLE	IF	CITATIONS
1	Control of three different continuous pharmaceutical manufacturing processes: Use of soft sensors. International Journal of Pharmaceutics, 2018, 543, 60-72.	5.2	52
2	RTD modeling of a continuous dry granulation process for process control and materials diversion. International Journal of Pharmaceutics, 2017, 528, 334-344.	5.2	47
3	Optimized continuous pharmaceutical manufacturing via model-predictive control. International Journal of Pharmaceutics, 2016, 510, 100-115.	5.2	46
4	Material tracking in a continuous direct capsule-filling process via residence time distribution measurements. International Journal of Pharmaceutics, 2018, 550, 347-358.	5.2	26
5	Advanced Real-time Process Analytics for Multistep Synthesis in Continuous Flow**. Angewandte Chemie, 2021, 133, 8220-8229.	2.0	19
6	Ensuring tablet quality via model-based control of a continuous direct compaction process. International Journal of Pharmaceutics, 2019, 567, 118457.	5.2	17
7	Towards a novel continuous HME-Tableting line: Process development and control concept. European Journal of Pharmaceutical Sciences, 2020, 142, 105097.	4.0	17
8	PAT implementation for advanced process control in solid dosage manufacturing – A practical guide. International Journal of Pharmaceutics, 2022, 613, 121408.	5.2	14
9	End-Point Prediction of Granule Moisture in a ConsiGmaTM-25 Segmented Fluid Bed Dryer. Pharmaceutics, 2020, 12, 452.	4.5	12
10	A Continuous Operation Concept for a Rotary Tablet Press Using Mass Flow Operating Points. Chemie-Ingenieur-Technik, 2017, 89, 1006-1016.	0.8	9
11	Model predictive control for continuous pharmaceutical feeding blending units. Chemical Engineering Research and Design, 2020, 154, 101-114.	5.6	9
12	A Modeling Approach for HVAC Systems based on the LoLiMoT Algorithm. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 10862-10868.	0.4	8
13	Sensitivity analysis of a pharmaceutical tablet production process from the control engineering perspective. International Journal of Pharmaceutics, 2017, 517, 373-382.	5.2	8
14	Residence time distribution of a continuously-operated capsule filling machine: Development of a measurement technique and comparison of three volume-reducing inserts. International Journal of Pharmaceutics, 2018, 550, 180-189.	5.2	8
15	Automated and continuous synthesis of drug substances. Chemical Engineering Research and Design, 2022, 177, 493-501.	5.6	6
16	Improving Pellet Quality in a Pharmaceutical Hot Melt Extrusion Process via PID Control and LOLIMOT-Based MPC. Journal of Pharmaceutical Innovation, 2020, 15, 678-689.	2.4	4
17	Fluidization characterization in the ConSigma 25 dryer via process data – A method of advanced quality assurance in continuous manufacturing. International Journal of Pharmaceutics, 2021, 607, 121041.	5.2	4
18	LIF or dye: Comparison of different tracing methods for granular solids. Powder Technology, 2020, 367, 20-31.	4.2	3

#	ARTICLE	IF	CITATIONS
19	Development of a Controlled Continuous Low-Dose Feeding Process. AAPS PharmSciTech, 2021, 22, 247.	3.3	2
20	Filling of lactose-based formulations in a tamping-pin capsule filler. Drug Development and Industrial Pharmacy, 2020, 46, 775-787.	2.0	0