

Jakob Rehrl

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

311
citations

1040056

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h-index

839539

18
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20
all docs

20
docs citations

20
times ranked

219
citing authors

#	ARTICLE	IF	CITATIONS
1	Automated and continuous synthesis of drug substances. <i>Chemical Engineering Research and Design</i> , 2022, 177, 493-501.	5.6	6
2	PAT implementation for advanced process control in solid dosage manufacturing – A practical guide. <i>International Journal of Pharmaceutics</i> , 2022, 613, 121408.	5.2	14
3	Advanced Real-Time Process Analytics for Multistep Synthesis in Continuous Flow**. <i>Angewandte Chemie</i> , 2021, 133, 8220-8229.	2.0	19
4	Fluidization characterization in the ConSigma 25 dryer via process data – A method of advanced quality assurance in continuous manufacturing. <i>International Journal of Pharmaceutics</i> , 2021, 607, 121041.	5.2	4
5	Development of a Controlled Continuous Low-Dose Feeding Process. <i>AAPS PharmSciTech</i> , 2021, 22, 247.	3.3	2
6	Towards a novel continuous HME-Tableting line: Process development and control concept. <i>European Journal of Pharmaceutical Sciences</i> , 2020, 142, 105097.	4.0	17
7	Improving Pellet Quality in a Pharmaceutical Hot Melt Extrusion Process via PID Control and LOLIMOT-Based MPC. <i>Journal of Pharmaceutical Innovation</i> , 2020, 15, 678-689.	2.4	4
8	Model predictive control for continuous pharmaceutical feeding blending units. <i>Chemical Engineering Research and Design</i> , 2020, 154, 101-114.	5.6	9
9	End-Point Prediction of Granule Moisture in a ConsiGmaTM-25 Segmented Fluid Bed Dryer. <i>Pharmaceutics</i> , 2020, 12, 452.	4.5	12
10	Filling of lactose-based formulations in a tamping-pin capsule filler. <i>Drug Development and Industrial Pharmacy</i> , 2020, 46, 775-787.	2.0	0
11	LIF or dye: Comparison of different tracing methods for granular solids. <i>Powder Technology</i> , 2020, 367, 20-31.	4.2	3
12	Ensuring tablet quality via model-based control of a continuous direct compaction process. <i>International Journal of Pharmaceutics</i> , 2019, 567, 118457.	5.2	17
13	Control of three different continuous pharmaceutical manufacturing processes: Use of soft sensors. <i>International Journal of Pharmaceutics</i> , 2018, 543, 60-72.	5.2	52
14	Material tracking in a continuous direct capsule-filling process via residence time distribution measurements. <i>International Journal of Pharmaceutics</i> , 2018, 550, 347-358.	5.2	26
15	Residence time distribution of a continuously-operated capsule filling machine: Development of a measurement technique and comparison of three volume-reducing inserts. <i>International Journal of Pharmaceutics</i> , 2018, 550, 180-189.	5.2	8
16	Sensitivity analysis of a pharmaceutical tablet production process from the control engineering perspective. <i>International Journal of Pharmaceutics</i> , 2017, 517, 373-382.	5.2	8
17	RTD modeling of a continuous dry granulation process for process control and materials diversion. <i>International Journal of Pharmaceutics</i> , 2017, 528, 334-344.	5.2	47
18	A Continuous Operation Concept for a Rotary Tablet Press Using Mass Flow Operating Points. <i>Chemie-Ingenieur-Technik</i> , 2017, 89, 1006-1016.	0.8	9

#	ARTICLE	IF	CITATIONS
19	Optimized continuous pharmaceutical manufacturing via model-predictive control. International Journal of Pharmaceutics, 2016, 510, 100-115.	5.2	46
20	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