ValÃ©rie Vanhoorne

List of Publications by Year
in descending order

202	8,023	36203 51	71532 76
papers	citations	h-index	g-index

202	202	202	4997
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	In-depth analysis of the long-term processability of materials during continuous feeding. International Journal of Pharmaceutics, 2022, 614, 121454.	2.6	9
2	The effect of screw configuration and formulation variables on liquid requirements and granule quality in a continuous twin screw wet granulation process. Journal of Drug Delivery Science and Technology, 2022, 68, 103042.	1.4	3
3	Impact of blend properties and process variables on the blending performance. International Journal of Pharmaceutics, 2022, 613, 121421.	2.6	8
4	Continuous direct compression: Development of an empirical predictive model and challenges regarding PAT implementation. International Journal of Pharmaceutics: X, 2022, 4, 100110.	1.2	0
5	The effect of binder types on the breakage and drying behavior of granules in a semi-continuous fluid bed dryer after twin screw wet granulation. International Journal of Pharmaceutics, 2022, 614, 121449.	2.6	5
6	Effect of feed frame on lubricant sensitivity during upscaling from a compaction simulator to a rotary tablet press. International Journal of Pharmaceutics, 2022, 616, 121562.	2.6	10
7	Advances in Twin-Screw Granulation. Pharmaceutics, 2022, 14, 46.	2.0	0
8	A multivariate methodology for material sparing characterization and blend design in drug product development. International Journal of Pharmaceutics, 2022, 621, 121801.	2.6	5
9	The Precision and Accuracy of 3D Printing of Tablets by Fused Deposition Modelling. Journal of Pharmaceutical Sciences, 2022, 111, 2814-2826.	1.6	3
10	A multivariate formulation and process development platform for direct compression. International Journal of Pharmaceutics, 2022, 623, 121962.	2.6	11
11	The Influence of Equipment Design and Process Parameters on Granule Breakage in a Semi-Continuous Fluid Bed Dryer after Continuous Twin-Screw Wet Granulation. Pharmaceutics, 2021, 13, 293.	2.0	15
12	Identifying Critical Binder Attributes to Facilitate Binder Selection for Efficient Formulation Development in a Continuous Twin Screw Wet Granulation Process. Pharmaceutics, 2021, 13, 210.	2.0	6
13	Extrusion-based 3D printing of oral solid dosage forms: Material requirements and equipment dependencies. International Journal of Pharmaceutics, 2021, 598, 120361.	2.6	34
14	Continuous Twin Screw Granulation: A Review of Recent Progress and Opportunities in Formulation and Equipment Design. Pharmaceutics, 2021, 13, 668.	2.0	26
15	Determination of a quantitative relationship between material properties, process settings and screw feeding behavior via multivariate data-analysis. International Journal of Pharmaceutics, 2021, 602, 120603.	2.6	13
16	Evaluation of torque as an in-process control for granule size during twin-screw wet granulation. International Journal of Pharmaceutics, 2021, 602, 120642.	2.6	12
17	Can Fused Deposition Modelling Enable the Manufacture of Uniform and Precise Dose Tablets?. Medical Sciences Forum, 2021, 5, 3.	0.5	0
18	TPLS as predictive platform for twin-screw wet granulation process and formulation development. International Journal of Pharmaceutics, 2021, 605, 120785.	2.6	7

#	Article	IF	Citations
19	Effect of binder type and lubrication method on the binder efficacy for direct compression. International Journal of Pharmaceutics, 2021, 607, 120968.	2.6	4
20	Can filaments, pellets and powder be used as feedstock to produce highly drug-loaded ethylene-vinyl acetate 3D printed tablets using extrusion-based additive manufacturing?. International Journal of Pharmaceutics, 2021, 607, 120922.	2.6	25
21	Continuous twin screw granulation: Impact of microcrystalline cellulose batch-to-batch variability during granulation and drying â€“ A QbD approach. International Journal of Pharmaceutics: X, 2021, 3, 100077.	1.2	6
22	Development of a 3D-Printed Dosing Platform to Aid in Zolpidem Withdrawal Therapy. Pharmaceutics, 2021, 13, 1684.	2.0	14
23	Exploring high pressure nebulization of Pluronic F127 hydrogels for intraperitoneal drug delivery. European Journal of Pharmaceutics and Biopharmaceutics, 2021, 169, 134-143.	2.0	16
24	A NIR-Based Study of Desorption Kinetics during Continuous Spin Freeze-Drying. Pharmaceutics, 2021, 13, 2168.	2.0	4
25	Spin Freezing and Its Impact on Pore Size, Tortuosity and Solid State. Pharmaceutics, 2021, 13, 2126.	2.0	11
26	Influence of Print Settings on the Critical Quality Attributes of Extrusion-Based 3D-Printed Caplets: A Quality-by-Design Approach. Pharmaceutics, 2021, 13, 2068.	2.0	14
27	Continuous twin screw granulation: Influence of process and formulation variables on granule quality attributes of model formulations. International Journal of Pharmaceutics, 2020, 576, 118981.	2.6	36
28	Prilling of API/fatty acid suspensions: Screening of additives for drug release modification. International Journal of Pharmaceutics, 2020, 576, 119022.	2.6	0
29	Processability of poly(vinyl alcohol) Based Filaments With Paracetamol Prepared by Hot-Melt Extrusion for Additive Manufacturing. Journal of Pharmaceutical Sciences, 2020, 109, 3636-3644.	1.6	29
30	Lyophilization and nebulization of pulmonary surfactant-coated nanogels for siRNA inhalation therapy. European Journal of Pharmaceutics and Biopharmaceutics, 2020, 157, 191-199.	2.0	25
31	In-Situ X-ray Imaging Of Sublimating Spin-Frozen Solutions. Materials, 2020, 13, 2953.	1.3	2
32	Evaluation of an external lubrication system implemented in a compaction simulator. International Journal of Pharmaceutics, 2020, 587, 119675.	2.6	11
33	Continuous twin screw granulation: Robustness of lactose/MCC-based formulations. International Journal of Pharmaceutics, 2020, 588, 119756.	2.6	12
34	A primary drying model-based comparison of conventional batch freeze-drying to continuous spin-freeze-drying for unit doses. European Journal of Pharmaceutics and Biopharmaceutics, 2020, 157, 97-107.	2.0	26
35	4D Micro-Computed X-ray Tomography as a Tool to Determine Critical Process and Product Information of Spin Freeze-Dried Unit Doses. Pharmaceutics, 2020, 12, 430.	2.0	12
36	Viscosity of API/fatty acid suspensions: Pitfalls during analysis. International Journal of Pharmaceutics, 2020, 584, 119447.	2.6	3

#	Article	IF	Citations
37	Influence of binder attributes on binder effectiveness in a continuous twin screw wet granulation process via wet and dry binder addition. International Journal of Pharmaceutics, 2020, 585, 119466.	2.6	23
38	Production of Drug Delivery Systems Using Fused Filament Fabrication: A Systematic Review. Pharmaceutics, 2020, 12, 517.	2.0	53
39	Recent progress in continuous manufacturing of oral solid dosage forms. International Journal of Pharmaceutics, 2020, 579, 119194.	2.6	65
40	Screening of pharmaceutical polymers for extrusion-Based Additive Manufacturing of patient-tailored tablets. International Journal of Pharmaceutics, 2020, 586, 119591.	2.6	40
41	Continuous twin screw granulation: A complex interplay between formulation properties, process settings and screw design. International Journal of Pharmaceutics, 2020, 576, 119004.	2.6	44
42	Continuous twin screw granulation: Impact of binder addition method and surfactants on granulation of a high-dosed, poorly soluble API. International Journal of Pharmaceutics, 2020, 577, 119068.	2.6	14
43	Delta-mannitol to enable continuous twin-screw granulation of a highly dosed, poorly compactable formulation. International Journal of Pharmaceutics, 2020, 583, 119374.	2.6	11
44	Pharmaceutical compounding of orphan active ingredients in Belgium: how community and hospital pharmacists can address the needs of patients with rare diseases. Orphanet Journal of Rare Diseases, 2019, 14, 186.	1.2	6
45	Assessment of volumetric scale-up law for processing of a sustained release formulation on co-rotating hot-melt extruders. International Journal of Pharmaceutics, 2019, 569, 118587.	2.6	7
46	Managing API raw material variability in a continuous manufacturing line â€“ Prediction of process robustness. International Journal of Pharmaceutics, 2019, 569, 118525.	2.6	21
47	Preclinical evaluation of local prolonged release of paclitaxel from gelatin microspheres for the prevention of recurrence of peritoneal carcinomatosis in advanced ovarian cancer. Scientific Reports, 2019, 9, 14881.	1.6	25
48	Dual chamber cartridges in a continuous pharmaceutical freeze-drying concept: Determination of the optimal dynamic infrared heater temperature during primary drying. International Journal of Pharmaceutics, 2019, 570, 118631.	2.6	10
49	Prilling of API/fatty acid suspensions: Processability and characterisation. International Journal of Pharmaceutics, 2019, 572, 118756.	2.6	1
50	Native starch as in situ binder for continuous twin screw wet granulation. International Journal of Pharmaceutics, 2019, 571, 118760.	2.6	12
51	Model-based analysis of treatment effects of paclitaxel microspheres in a microscopic peritoneal carcinomatosis model in mice. Pharmaceutical Research, 2019, 36, 127.	1.7	12
52	Dry amorphisation of mangiferin, a poorly water-soluble compound, using mesoporous silica. European Journal of Pharmaceutics and Biopharmaceutics, 2019, 141, 172-179.	2.0	13
53	PAT-based batch statistical process control of a manufacturing process for a pharmaceutical ointment. European Journal of Pharmaceutical Sciences, 2019, 136, 104946.	1.9	10
54	Evaluation of an in-line NIR spectroscopic method for the determination of the residence time in a tablet press. International Journal of Pharmaceutics, 2019, 565, 358-366.	2.6	23

#	Article	IF	Citations
55	Managing API raw material variability during continuous twin-screw wet granulation. International Journal of Pharmaceutics, 2019, 561, 265-273.	2.6	22
56	Modeling of Semicontinuous Fluid Bed Drying of Pharmaceutical Granules With Respect to Granule Size. Journal of Pharmaceutical Sciences, 2019, 108, 2094-2101.	1.6	18
57	Continuous manufacturing of a pharmaceutical cream: Investigating continuous powder dispersing and residence time distribution (RTD). European Journal of Pharmaceutical Sciences, 2019, 132, 106-117.	1.9	8
58	Impact of material properties and process variables on the residence time distribution in twin screw feeding equipment. International Journal of Pharmaceutics, 2019, 556, 200-216.	2.6	40
59	Managing active pharmaceutical ingredient raw material variability during twin-screw blend feeding. European Journal of Pharmaceutics and Biopharmaceutics, 2019, 135, 49-60.	2.0	21
60	A multivariate approach to predict the volumetric and gravimetric feeding behavior of a low feed rate feeder based on raw material properties. International Journal of Pharmaceutics, 2019, 557, 342-353.	2.6	56
61	Pectin-bioactive glass self-gelling, injectable composites with high antibacterial activity. Carbohydrate Polymers, 2019, 205, 427-436.	5.1	39
62	Novel injectable gellan gum hydrogel composites incorporating Zn- and Sr-enriched bioactive glass microparticles: High-resolution X-ray microcomputed tomography, antibacterial and in vitro testing. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, 1313-1326.	1.3	31
63	Humans significantly metabolize and excrete the mycotoxin deoxynivalenol and its modified form deoxynivalenol-3-glucoside within 24 hours. Scientific Reports, 2018, 8, 5255.	1.6	85
64	The relevance of shear, sedimentation and diffusion during spin freezing, as potential first step of a continuous freeze-drying process for unit doses. International Journal of Pharmaceutics, 2018, 539, 1-10.	2.6	13
65	Development and validation of an in-line NIR spectroscopic method for continuous blend potency determination in the feed frame of a tablet press. Journal of Pharmaceutical and Biomedical Analysis, 2018, 151, 274-283.	1.4	72
66	Piecewise linear fitting in dynamic micro-CT. Materials Characterization, 2018, 139, 259-268.	1.9	6
67	A novel approach to support formulation design on twin screw wet granulation technology: Understanding the impact of overarching excipient properties on drug product quality attributes. International Journal of Pharmaceutics, 2018, 545, 128-143.	2.6	26
68	Breakage and drying behaviour of granules in a continuous fluid bed dryer: Influence of process parameters and wet granule transfer. European Journal of Pharmaceutical Sciences, 2018, 115, 223-232.	1.9	49
69	Novel selfâ€gelling injectable hydrogel/alphaâ€tricalcium phosphate composites for bone regeneration: Physiochemical and microcomputer tomographical characterization. Journal of Biomedical Materials Research - Part A, 2018, 106, 822-828.	2.1	36
70	Downstream processing from melt granulation towards tablets: In-depth analysis of a continuous twin-screw melt granulation process using polymeric binders. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 124, 43-54.	2.0	29
71	3D printing of high drug loaded dosage forms using thermoplastic polyurethanes. International Journal of Pharmaceutics, 2018, 536, 318-325.	2.6	156
72	Thermal Imaging as a Noncontact Inline Process Analytical Tool for Product Temperature Monitoring during Continuous Freeze-Drying of Unit Doses. Analytical Chemistry, 2018, 90, 13591-13599.	3.2	24

#	Article	IF	Citations
73	Downscaling of the tableting process: Feasibility of miniaturized forced feeders on a high-speed rotary tablet press. International Journal of Pharmaceutics, 2018, 550, 477-485.	2.6	9
74	Model-based NIR spectroscopy implementation for in-line assay monitoring during a pharmaceutical suspension manufacturing process. International Journal of Pharmaceutics, 2018, 546, 247-254.	2.6	20
75	Optimizing feed frame design and tableting process parameters to increase die-filling uniformity on a high-speed rotary tablet press. International Journal of Pharmaceutics, 2018, 548, 54-61.	2.6	26
76	Influence of extended dwell time during pre- and main compression on the properties of ibuprofen tablets. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 128, 300-315.	2.0	16
77	Impact of blend properties on die filling during tableting. International Journal of Pharmaceutics, 2018, 549, 476-488.	2.6	37
78	A continuous manufacturing concept for a pharmaceutical oral suspension. European Journal of Pharmaceutical Sciences, 2018, 123, 576-583.	1.9	5
79	A multivariate raw material property database to facilitate drug product development and enable in-silico design of pharmaceutical dry powder processes. International Journal of Pharmaceutics, 2018, 549, 415-435.	2.6	72
80	Mechanistic modelling of infrared mediated energy transfer during the primary drying step of a continuous freeze-drying process. European Journal of Pharmaceutics and Biopharmaceutics, 2017, 114, 11-21.	2.0	19
81	Continuous direct compression as manufacturing platform for sustained release tablets. International Journal of Pharmaceutics, 2017, 519, 390-407.	2.6	101
82	Identifying overarching excipient properties towards an in-depth understanding of process and product performance for continuous twin-screw wet granulation. International Journal of Pharmaceutics, 2017, 522, 234-247.	2.6	30
83	The use of partially hydrolysed polyvinyl alcohol for the production of high drug-loaded sustained release pellets via extrusion-spheronisation and coating: In vitro and in vivo evaluation. International Journal of Pharmaceutics, 2017, 517, 88-95.	2.6	10
84	In-line monitoring of compaction properties on a rotary tablet press during tablet manufacturing of hot-melt extruded amorphous solid dispersions. International Journal of Pharmaceutics, 2017, 517, 348-358.	2.6	24
85	Elucidation and visualization of solid-state transformation and mixing in a pharmaceutical mini hot melt extrusion process using in-line Raman spectroscopy. International Journal of Pharmaceutics, 2017, 517, 119-127.	2.6	25
86	Modelling the primary drying step for the determination of the optimal dynamic heating pad temperature in a continuous pharmaceutical freeze-drying process for unit doses. International Journal of Pharmaceutics, 2017, 532, 185-193.	2.6	14
87	In-depth experimental analysis of pharmaceutical twin-screw wet granulation in view of detailed process understanding. International Journal of Pharmaceutics, 2017, 529, 678-693.	2.6	53
88	Downstream processing from hot-melt extrusion towards tablets: A quality by design approach. International Journal of Pharmaceutics, 2017, 531, 235-245.	2.6	20
89	Multivariate statistical process control of a continuous pharmaceutical twin-screw granulation and fluid bed drying process. International Journal of Pharmaceutics, 2017, 528, 242-252.	2.6	28
90	Development of a continuous direct compression platform for low-dose drug products. International Journal of Pharmaceutics, 2017, 529, 329-346.	2.6	72

#	Article	IF	Citations
91	Thermoplastic polyurethane-based intravaginal rings for prophylaxis and treatment of (recurrent) bacterial vaginosis. International Journal of Pharmaceutics, 2017, 529, 218-226.	2.6	29
92	Rationale and Safety Assessment of a Novel Intravaginal Drug-Delivery System with Sustained DL-Lactic Acid Release, Intended for Long-Term Protection of the Vaginal Microbiome. PLoS ONE, 2016, 11, e0153441.	1.1	22
93	The use of rheology to elucidate the granulation mechanisms of a miscible and immiscible system during continuous twin-screw melt granulation. International Journal of Pharmaceutics, 2016, 510, 271-284.	2.6	16
94	Development of a controlled release formulation by continuous twin screw granulation: Influence of process and formulation parameters. International Journal of Pharmaceutics, 2016, 505, 61-68.	2.6	37
95	Genipin-crosslinked gelatin microspheres as a strategy to prevent postsurgical peritoneal adhesions: InÂvitro and inÂvivo characterization. Biomaterials, 2016, 96, 33-46.	5.7	117
96	Vibrational spectroscopy to support the link between rheology and continuous twin-screw melt granulation on molecular level: A case study. European Journal of Pharmaceutics and Biopharmaceutics, 2016, 103, 127-135.	2.0	16
97	Improved tabletability after a polymorphic transition of delta-mannitol during twin screw granulation. International Journal of Pharmaceutics, 2016, 506, 13-24.	2.6	33
98	Hydrophilic thermoplastic polyurethanes for the manufacturing of highly dosed oral sustained release matrices via hot melt extrusion and injection molding. International Journal of Pharmaceutics, 2016, 506, 214-221.	2.6	68
99	A comparative study between melt granulation/compression and hot melt extrusion/injection molding for the manufacturing of oral sustained release thermoplastic polyurethane matrices. International Journal of Pharmaceutics, 2016, 513, 602-611.	2.6	41
100	Stearic acid and high molecular weight PEO as matrix for the highly water soluble metoprolol tartrate in continuous twin-screw melt granulation. International Journal of Pharmaceutics, 2016, 512, 158-167.	2.6	17
101	Continuous twin screw granulation of controlled release formulations with various HPMC grades. International Journal of Pharmaceutics, 2016, 511, 1048-1057.	2.6	29
102	Continuous melt granulation: Influence of process and formulation parameters upon granule and tablet properties. European Journal of Pharmaceutics and Biopharmaceutics, 2016, 107, 249-262.	2.0	47
103	Lubricant sensitivity in function of paddle movement in the forced feeder of a high-speed tablet press. Drug Development and Industrial Pharmacy, 2016, 42, 2078-2085.	0.9	26
104	Assessment and prediction of tablet properties using transmission and backscattering Raman spectroscopy and transmission NIR spectroscopy. Asian Journal of Pharmaceutical Sciences, 2016, 11, 547-558.	4.3	23
105	The impact of hot-melt extrusion on the tableting behaviour of polyvinyl alcohol. International Journal of Pharmaceutics, 2016, 498, 254-262.	2.6	25
106	Development of a process map: A step towards a regime map for steady-state high shear wet twin screw granulation. Powder Technology, 2016, 300, 73-82.	2.1	37
107	Continuous manufacturing of delta mannitol by cospray drying with PVP. International Journal of Pharmaceutics, 2016, 501, 139-147.	2.6	27
108	Comparison of metoprolol tartrate multiple-unit lipid matrix systems produced by different technologies. European Journal of Pharmaceutical Sciences, 2016, 88, 233-245.	1.9	10

#	Article	IF	Citations
109	Model-based analysis of a twin-screw wet granulation system for continuous solid dosage manufacturing. Computers and Chemical Engineering, 2016, 89, 62-70.	2.0	36
110	Linking granulation performance with residence time and granulation liquid distributions in twin-screw granulation: An experimental investigation. European Journal of Pharmaceutical Sciences, 2016, 90, 25-37.	1.9	61
111	pH-independent immediate release polymethacrylate formulations â€“ an observational study. Drug Development and Industrial Pharmacy, 2016, 42, 578-583.	0.9	1
112	Hot-melt extrusion and prilling as contemporary and promising techniques in the solvent free production of solid oral dosage forms, based on solid dispersions. Makedonsko Farmacevtski Bilten, 2016, 62, 3-24.	0.0	7
113	Conceptual framework for model-based analysis of residence time distribution in twin-screw granulation. European Journal of Pharmaceutical Sciences, 2015, 71, 25-34.	1.9	49
114	Process Analytical Technology for continuous manufacturing of solid-dosage forms. TrAC - Trends in Analytical Chemistry, 2015, 67, 159-166.	5.8	126
115	Thermoplastic polyurethanes for the manufacturing of highly dosed oral sustained release matrices via hot melt extrusion and injection molding. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 90, 44-52.	2.0	71
116	Use of a continuous twin screw granulation and drying system during formulation development and process optimization. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 89, 239-247.	2.0	47
117	Impact of screw configuration on the particle size distribution of granules produced by twin screw granulation. International Journal of Pharmaceutics, 2015, 479, 171-180.	2.6	83
118	Evaluation of spin freezing versus conventional freezing as part of a continuous pharmaceutical freeze-drying concept for unit doses. International Journal of Pharmaceutics, 2015, 496, 75-85.	2.6	50
119	Calendering as a direct shaping tool for the continuous production of fixed-dose combination products via co-extrusion. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 96, 125-131.	2.0	21
120	Hot-melt extrusion of polyvinyl alcohol for oral immediate release applications. International Journal of Pharmaceutics, 2015, 492, 1-9.	2.6	47
121	Enteric protection of naproxen in a fixed-dose combination product produced by hot-melt co-extrusion. International Journal of Pharmaceutics, 2015, 491, 243-249.	2.6	21
122	Fatty acids for controlled release applications: A comparison between prilling and solid lipid extrusion as manufacturing techniques. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 97, 173-184.	2.0	12
123	Evaluation of an in-line particle imaging tool for monitoring twin-screw granulation performance. Powder Technology, 2015, 285, 80-87.	2.1	22
124	Reduction of tablet weight variability by optimizing paddle speed in the forced feeder of a high-speed rotary tablet press. Drug Development and Industrial Pharmacy, 2015, 41, 530-539.	0.9	63
125	Impact of microcrystalline cellulose material attributes: A case study on continuous twin screw granulation. International Journal of Pharmaceutics, 2015, 478, 705-717.	2.6	53
126	Validation of an in-line Raman spectroscopic method for continuous active pharmaceutical ingredient quantification during pharmaceutical hot-melt extrusion. Analytica Chimica Acta, 2014, 806, 180-187.	2.6	34

#	Article	IF	Citations
127	Influence of raw material properties upon critical quality attributes of continuously produced granules and tablets. European Journal of Pharmaceutics and Biopharmaceutics, 2014, 87, 252-263.	2.0	70
128	Process monitoring and visualization solutions for hot-melt extrusion: a review. Journal of Pharmacy and Pharmacology, 2014, 66, 180-203.	1.2	64
129	Formulation of itraconazole nanococrystals and evaluation of their bioavailability in dogs. European Journal of Pharmaceutics and Biopharmaceutics, 2014, 87, 107-113.	2.0	63
130	Distribution of binder in granules produced by means of twin screw granulation. International Journal of Pharmaceutics, 2014, 462, 8-10.	2.6	21
131	Visualization and understanding of the granulation liquid mixing and distribution during continuous twin screw granulation using NIR chemical imaging. European Journal of Pharmaceutics and Biopharmaceutics, 2014, 86, 383-392.	2.0	65
132	Crystal coating via spray drying to improve powder tabletability. European Journal of Pharmaceutics and Biopharmaceutics, 2014, 88, 939-944.	2.0	31
133	Prilling as manufacturing technique for multiparticulate lipid/PEG fixed-dose combinations. European Journal of Pharmaceutics and Biopharmaceutics, 2014, 88, 472-482.	2.0	14
134	Release characteristics of polyurethane tablets containing dicarboxylic acids as release modifiers â€“ a case study with diprophylline. International Journal of Pharmaceutics, 2014, 477, 244-250.	2.6	22
135	Co-extruded solid solutions as immediate release fixed-dose combinations. European Journal of Pharmaceutics and Biopharmaceutics, 2014, 88, 502-509.	2.0	17
136	Experimental investigation of granule size and shape dynamics in twin-screw granulation. International Journal of Pharmaceutics, 2014, 475, 485-495.	2.6	32
137	NIR spectroscopic method for the in-line moisture assessment during drying in a six-segmented fluid bed dryer of a continuous tablet production line: Validation of quantifying abilities and uncertainty assessment. Journal of Pharmaceutical and Biomedical Analysis, 2014, 100, 21-27.	1.4	36
138	Hot-melt co-extrusion for the production of fixed-dose combination products with a controlled release ethylcellulose matrix core. International Journal of Pharmaceutics, 2014, 464, 65-74.	2.6	35
139	Mixing and transport during pharmaceutical twin-screw wet granulation: Experimental analysis via chemical imaging. European Journal of Pharmaceutics and Biopharmaceutics, 2014, 87, 279-289.	2.0	90
140	Moisture and drug solid-state monitoring during a continuous drying process using empirical and mass balance models. European Journal of Pharmaceutics and Biopharmaceutics, 2014, 87, 616-628.	2.0	39
141	Formulation of poorly water-soluble drugs via coacervation â€“ A pilot study using febantel. European Journal of Pharmaceutics and Biopharmaceutics, 2013, 85, 930-935.	2.0	8
142	Particle sizing measurements in pharmaceutical applications: Comparison of in-process methods versus off-line methods. European Journal of Pharmaceutics and Biopharmaceutics, 2013, 85, 1006-1018.	2.0	94
143	Raman spectroscopy and multivariate analysis for the rapid discrimination between native-like and non-native states in freeze-dried protein formulations. European Journal of Pharmaceutics and Biopharmaceutics, 2013, 85, 263-271.	2.0	37
144	Structural modifications of polymethacrylates: Impact on thermal behavior and release characteristics of glassy solid solutions. European Journal of Pharmaceutics and Biopharmaceutics, 2013, 85, 1206-1214.	2.0	14

#	Article	IF	Citations
145	Real-time assessment of critical quality attributes of a continuous granulation process. Pharmaceutical Development and Technology, 2013, 18, 85-97.	1.1	94
146	Co-extrusion as manufacturing technique for multilayer mini-matrices with dual drug release. European Journal of Pharmaceutics and Biopharmaceutics, 2013, 85, 1157-1163.	2.0	19
147	Stability and repeatability of a continuous twin screw granulation and drying system. European Journal of Pharmaceutics and Biopharmaceutics, 2013, 85, 1031-1038.	2.0	81
148	Visualization and Process Understanding of Material Behavior in the Extrusion Barrel during a Hot-Melt Extrusion Process Using Raman Spectroscopy. Analytical Chemistry, 2013, 85, 5420-5429.	3.2	23
149	Process analytical tools for monitoring, understanding, and control of pharmaceutical fluidized bed granulation: A review. European Journal of Pharmaceutics and Biopharmaceutics, 2013, 83, 2-15.	2.0	128
150	Prilling of fatty acids as a continuous process for the development of controlled release multiparticulate dosage forms. European Journal of Pharmaceutics and Biopharmaceutics, 2013, 85, 587-596.	2.0	25
151	Vaginal distribution and retention of tablets comprising starch-based multiparticulates: evaluation by colposcopy. Drug Development and Industrial Pharmacy, 2013, 39, 1944-1950.	0.9	9
152	Optimization of Drug Delivery Systems for Intraperitoneal Therapy to Extend the Residence Time of the Chemotherapeutic Agent. Scientific World Journal, The, 2013, 2013, 1-7.	0.8	59
153	Continuous twin screw granulation: Influence of process variables on granule and tablet quality. European Journal of Pharmaceutics and Biopharmaceutics, 2012, 82, 205-211.	2.0	182
154	Prediction of quality attributes of continuously produced granules using complementary pat tools. European Journal of Pharmaceutics and Biopharmaceutics, 2012, 82, 429-436.	2.0	64
155	Preparation and Evaluation of Sustained-Release Matrix Tablets Based on Metoprolol and an Acrylic Carrier Using Injection Moulding. AAPS PharmSciTech, 2012, 13, 1197-1211.	1.5	21
156	Development of a Nanocrystalline Paclitaxel Formulation for Hipec Treatment. Pharmaceutical Research, 2012, 29, 2398-2406.	1.7	37
157	Upscaling and in-line process monitoring via spectroscopic techniques of ethylene vinyl acetate hot-melt extruded formulations. International Journal of Pharmaceutics, 2012, 439, 223-229.	2.6	44
158	Suitability of differently formulated dry powder Newcastle disease vaccines for mass vaccination of poultry. European Journal of Pharmaceutics and Biopharmaceutics, 2012, 80, 649-656.	2.0	13
159	In-line NIR spectroscopy for the understanding of polymerâ€“drug interaction during pharmaceutical hot-melt extrusion. European Journal of Pharmaceutics and Biopharmaceutics, 2012, 81, 230-237.	2.0	81
160	Co-extrusion as manufacturing technique for fixed-dose combination mini-matrices. European Journal of Pharmaceutics and Biopharmaceutics, 2012, 81, 683-689.	2.0	55
161	Poly(2â€ethylâ€2â€oxazoline) as Matrix Excipient for Drug Formulation by Hot Melt Extrusion and Injection Molding. Macromolecular Rapid Communications, 2012, 33, 1701-1707.	2.0	33
162	Sustained release from hot-melt extruded matrices based on ethylene vinyl acetate and polyethylene oxide. European Journal of Pharmaceutics and Biopharmaceutics, 2012, 82, 526-533.	2.0	38

#	Article	IF	Citations
163	Vaginal distribution and retention of a multiparticulate drug delivery system, assessed by gamma scintigraphy and magnetic resonance imaging. International Journal of Pharmaceutics, 2012, 426, 44-53.	2.6	32
164	Development and evaluation of injection-molded sustained-release tablets containing ethylcellulose and polyethylene oxide. Drug Development and Industrial Pharmacy, 2011, 37, 149-159.	0.9	28
165	Ethylene vinyl acetate as matrix for oral sustained release dosage forms produced via hot-melt extrusion. European Journal of Pharmaceutics and Biopharmaceutics, 2011, 77, 297-305.	2.0	115
166	Near infrared and Raman spectroscopy for the in-process monitoring of pharmaceutical production processes. International Journal of Pharmaceutics, 2011, 417, 32-47.	2.6	439
167	Antitumour Efficacy of Two Paclitaxel Formulations for Hyperthermic Intraperitoneal Chemotherapy (HIPEC) in an In Vivo Rat Model. Pharmaceutical Research, 2011, 28, 1653-1660.	1.7	13
168	In vivo Toxicity and Bioavailability of TaxolÂ® and a Paclitaxel/Î²-Cyclodextrin Formulation in a Rat Model During HIPEC. Annals of Surgical Oncology, 2010, 17, 2510-2517.	0.7	18
169	Influence of surface topography and pore architecture of alkali-treated titanium on in vitro apatite deposition. Applied Surface Science, 2010, 256, 3693-3697.	3.1	32
170	Influence of reaction medium during synthesis of GantrezÂ® AN 119 nanoparticles for oral vaccination. European Journal of Pharmaceutics and Biopharmaceutics, 2010, 74, 202-208.	2.0	16
171	Vancomycin release from poly(d,l-lactic acid) spray-coated hydroxyapatite fibers. European Journal of Pharmaceutics and Biopharmaceutics, 2010, 76, 366-370.	2.0	23
172	Development of injection moulded matrix tablets based on mixtures of ethylcellulose and low-substituted hydroxypropylcellulose. European Journal of Pharmaceutical Sciences, 2009, 37, 207-216.	1.9	58
173	Influence of heat treatment on spray-dried mixtures of AmiocaÂ® starch and CarbopolÂ® 974P used as carriers for nasal drug delivery. International Journal of Pharmaceutics, 2009, 378, 45-50.	2.6	8
174	Evaluation of injection moulding as a pharmaceutical technology to produce matrix tablets. European Journal of Pharmaceutics and Biopharmaceutics, 2009, 71, 145-154.	2.0	73
175	Comparison of two twin-screw extruders for continuous granulation. European Journal of Pharmaceutics and Biopharmaceutics, 2009, 71, 155-160.	2.0	72
176	Production of pellets via extrusionâ€“spheronisation without the incorporation of microcrystalline cellulose: A critical review. European Journal of Pharmaceutics and Biopharmaceutics, 2009, 71, 38-46.	2.0	154
177	Influence of polyethylene glycol/polyethylene oxide on the release characteristics of sustained-release ethylcellulose mini-matrices produced by hot-melt extrusion: in vitro and in vivo evaluations. European Journal of Pharmaceutics and Biopharmaceutics, 2009, 72, 463-470.	2.0	65
178	In vivo evaluation of the vaginal distribution and retention of a multi-particulate pellet formulation. European Journal of Pharmaceutics and Biopharmaceutics, 2009, 73, 280-284.	2.0	17
179	Modeling drug release from hot-melt extruded mini-matrices with constant and non-constant diffusivities. European Journal of Pharmaceutics and Biopharmaceutics, 2009, 73, 292-301.	2.0	20
180	Porous pellets as drug delivery system. Drug Development and Industrial Pharmacy, 2009, 35, 655-662.	0.9	18

#	Article	IF	Citations
181	Raman spectroscopy as a process analytical technology (PAT) tool for the in-line monitoring and understanding of a powder blending process. Journal of Pharmaceutical and Biomedical Analysis, 2008, 48, 772-779.	1.4	132
182	Validation of a continuous granulation process using a twin-screw extruder. International Journal of Pharmaceutics, 2008, 356, 224-230.	2.6	92
183	Effect of maltodextrin and superdisintegrant in directly compressible powder mixtures prepared via co-spray drying. European Journal of Pharmaceutics and Biopharmaceutics, 2008, 68, 277-282.	2.0	30
184	Process design applied to optimise a directly compressible powder produced via a continuous manufacturing process. European Journal of Pharmaceutics and Biopharmaceutics, 2008, 68, 760-770.	2.0	52
185	Influence of formulation and process parameters on the release characteristics of ethylcellulose sustained-release mini-matrices produced by hot-melt extrusion. European Journal of Pharmaceutics and Biopharmaceutics, 2008, 69, 312-319.	2.0	75
186	Coprocessing via spray drying as a formulation platform to improve the compactability of various drugs. European Journal of Pharmaceutics and Biopharmaceutics, 2008, 69, 320-334.	2.0	34
187	Spray drying of an attenuated live Newcastle disease vaccine virus intended for respiratory mass vaccination of poultry. Vaccine, 2007, 25, 8306-8317.	1.7	30
188	Development of starch-based pellets via extrusion/spheronisation. European Journal of Pharmaceutics and Biopharmaceutics, 2007, 66, 83-94.	2.0	47
189	Development of directly compressible powders via co-spray drying. European Journal of Pharmaceutics and Biopharmaceutics, 2007, 67, 220-226.	2.0	82
190	Porous hydroxyapatite tablets as carriers for low-dosed drugs. European Journal of Pharmaceutics and Biopharmaceutics, 2007, 67, 498-506.	2.0	59
191	Immediate release of poorly soluble drugs from starch-based pellets prepared via extrusion/spheronisation. European Journal of Pharmaceutics and Biopharmaceutics, 2007, 67, 715-724.	2.0	54
192	Implementation of a Process Analytical Technology System in a Freeze-Drying Process Using Raman Spectroscopy for In-Line Process Monitoring. Analytical Chemistry, 2007, 79, 7992-8003.	3.2	115
193	Raman spectroscopy as a process analytical technology tool for the understanding and the quantitative in-line monitoring of the homogenization process of a pharmaceutical suspension. Analyst, The, 2006, 131, 1137.	1.7	55
194	Deposition of differently sized airborne microspheres in the respiratory tract of chickens. Avian Pathology, 2006, 35, 475-485.	0.8	60
195	Human bioavailability of propranolol from a matrix-in-cylinder system with a HPMC-GelucireÂ® core. Journal of Controlled Release, 2005, 107, 523-536.	4.8	17
196	Continuous granulation in the pharmaceutical industry. Chemical Engineering Science, 2005, 60, 3949-3957.	1.9	260
197	Development and validation of a direct, non-destructive quantitative method for medroxyprogesterone acetate in a pharmaceutical suspension using FT-Raman spectroscopy. European Journal of Pharmaceutical Sciences, 2004, 23, 355-362.	1.9	40
198	Twin screw granulation as a simple and efficient tool for continuous wet granulation. International Journal of Pharmaceutics, 2004, 273, 183-194.	2.6	123

#	Article	IF	Citations
199	Single-step granulation/tabletting of different grades of lactose: a comparison with high shear granulation and compression. European Journal of Pharmaceutics and Biopharmaceutics, 2004, 58, 77-82.	2.0	27
200	Direct compression and moulding properties of co-extruded isomalt/drug mixtures. International Journal of Pharmaceutics, 2002, 235, 159-168.	2.6	29
201	Continuous twin screw extrusion for the wet granulation of lactose. International Journal of Pharmaceutics, 2002, 239, 69-80.	2.6	81
202	Cold extrusion as a continuous single-step granulation and tabletting process. European Journal of Pharmaceutics and Biopharmaceutics, 2001, 52, 359-368.	2.0	27