

ValÃ©rie Vanhoorne

List of Publications by Year in descending order

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202
papers

8,023
citations

36203

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71532

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202
docs citations

202
times ranked

4997
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#	ARTICLE	IF	CITATIONS
1	Near infrared and Raman spectroscopy for the in-process monitoring of pharmaceutical production processes. <i>International Journal of Pharmaceutics</i> , 2011, 417, 32-47.	2.6	439
2	Continuous granulation in the pharmaceutical industry. <i>Chemical Engineering Science</i> , 2005, 60, 3949-3957.	1.9	260
3	Continuous twin screw granulation: Influence of process variables on granule and tablet quality. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012, 82, 205-211.	2.0	182
4	3D printing of high drug loaded dosage forms using thermoplastic polyurethanes. <i>International Journal of Pharmaceutics</i> , 2018, 536, 318-325.	2.6	156
5	Production of pellets via extrusion-spheronisation without the incorporation of microcrystalline cellulose: A critical review. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 71, 38-46.	2.0	154
6	Raman spectroscopy as a process analytical technology (PAT) tool for the in-line monitoring and understanding of a powder blending process. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 48, 772-779.	1.4	132
7	Process analytical tools for monitoring, understanding, and control of pharmaceutical fluidized bed granulation: A review. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 83, 2-15.	2.0	128
8	Process Analytical Technology for continuous manufacturing of solid-dosage forms. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 67, 159-166.	5.8	126
9	Twin screw granulation as a simple and efficient tool for continuous wet granulation. <i>International Journal of Pharmaceutics</i> , 2004, 273, 183-194.	2.6	123
10	Genipin-crosslinked gelatin microspheres as a strategy to prevent postsurgical peritoneal adhesions: In vitro and in vivo characterization. <i>Biomaterials</i> , 2016, 96, 33-46.	5.7	117
11	Implementation of a Process Analytical Technology System in a Freeze-Drying Process Using Raman Spectroscopy for In-Line Process Monitoring. <i>Analytical Chemistry</i> , 2007, 79, 7992-8003.	3.2	115
12	Ethylene vinyl acetate as matrix for oral sustained release dosage forms produced via hot-melt extrusion. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011, 77, 297-305.	2.0	115
13	Continuous direct compression as manufacturing platform for sustained release tablets. <i>International Journal of Pharmaceutics</i> , 2017, 519, 390-407.	2.6	101
14	Particle sizing measurements in pharmaceutical applications: Comparison of in-process methods versus off-line methods. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 85, 1006-1018.	2.0	94
15	Real-time assessment of critical quality attributes of a continuous granulation process. <i>Pharmaceutical Development and Technology</i> , 2013, 18, 85-97.	1.1	94
16	Validation of a continuous granulation process using a twin-screw extruder. <i>International Journal of Pharmaceutics</i> , 2008, 356, 224-230.	2.6	92
17	Mixing and transport during pharmaceutical twin-screw wet granulation: Experimental analysis via chemical imaging. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 87, 279-289.	2.0	90
18	Humans significantly metabolize and excrete the mycotoxin deoxynivalenol and its modified form deoxynivalenol-3-glucoside within 24 hours. <i>Scientific Reports</i> , 2018, 8, 5255.	1.6	85

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19	Impact of screw configuration on the particle size distribution of granules produced by twin screw granulation. <i>International Journal of Pharmaceutics</i> , 2015, 479, 171-180.	2.6	83
20	Development of directly compressible powders via co-spray drying. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2007, 67, 220-226.	2.0	82
21	Continuous twin screw extrusion for the wet granulation of lactose. <i>International Journal of Pharmaceutics</i> , 2002, 239, 69-80.	2.6	81
22	In-line NIR spectroscopy for the understanding of polymer-drug interaction during pharmaceutical hot-melt extrusion. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012, 81, 230-237.	2.0	81
23	Stability and repeatability of a continuous twin screw granulation and drying system. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 85, 1031-1038.	2.0	81
24	Influence of formulation and process parameters on the release characteristics of ethylcellulose sustained-release mini-matrices produced by hot-melt extrusion. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008, 69, 312-319.	2.0	75
25	Evaluation of injection moulding as a pharmaceutical technology to produce matrix tablets. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 71, 145-154.	2.0	73
26	Comparison of two twin-screw extruders for continuous granulation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 71, 155-160.	2.0	72
27	Development of a continuous direct compression platform for low-dose drug products. <i>International Journal of Pharmaceutics</i> , 2017, 529, 329-346.	2.6	72
28	Development and validation of an in-line NIR spectroscopic method for continuous blend potency determination in the feed frame of a tablet press. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 151, 274-283.	1.4	72
29	A multivariate raw material property database to facilitate drug product development and enable in-silico design of pharmaceutical dry powder processes. <i>International Journal of Pharmaceutics</i> , 2018, 549, 415-435.	2.6	72
30	Thermoplastic polyurethanes for the manufacturing of highly dosed oral sustained release matrices via hot melt extrusion and injection molding. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 90, 44-52.	2.0	71
31	Influence of raw material properties upon critical quality attributes of continuously produced granules and tablets. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 87, 252-263.	2.0	70
32	Hydrophilic thermoplastic polyurethanes for the manufacturing of highly dosed oral sustained release matrices via hot melt extrusion and injection molding. <i>International Journal of Pharmaceutics</i> , 2016, 506, 214-221.	2.6	68
33	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. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 72, 463-470.	2.0	65
34	Visualization and understanding of the granulation liquid mixing and distribution during continuous twin screw granulation using NIR chemical imaging. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 86, 383-392.	2.0	65
35	Recent progress in continuous manufacturing of oral solid dosage forms. <i>International Journal of Pharmaceutics</i> , 2020, 579, 119194.	2.6	65
36	Prediction of quality attributes of continuously produced granules using complementary pat tools. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012, 82, 429-436.	2.0	64

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37	Process monitoring and visualization solutions for hot-melt extrusion: a review. <i>Journal of Pharmacy and Pharmacology</i> , 2014, 66, 180-203.	1.2	64
38	Formulation of itraconazole nanococrystals and evaluation of their bioavailability in dogs. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 87, 107-113.	2.0	63
39	Reduction of tablet weight variability by optimizing paddle speed in the forced feeder of a high-speed rotary tablet press. <i>Drug Development and Industrial Pharmacy</i> , 2015, 41, 530-539.	0.9	63
40	Linking granulation performance with residence time and granulation liquid distributions in twin-screw granulation: An experimental investigation. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 90, 25-37.	1.9	61
41	Deposition of differently sized airborne microspheres in the respiratory tract of chickens. <i>Avian Pathology</i> , 2006, 35, 475-485.	0.8	60
42	Porous hydroxyapatite tablets as carriers for low-dosed drugs. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2007, 67, 498-506.	2.0	59
43	Optimization of Drug Delivery Systems for Intraperitoneal Therapy to Extend the Residence Time of the Chemotherapeutic Agent. <i>Scientific World Journal</i> , The, 2013, 2013, 1-7.	0.8	59
44	Development of injection moulded matrix tablets based on mixtures of ethylcellulose and low-substituted hydroxypropylcellulose. <i>European Journal of Pharmaceutical Sciences</i> , 2009, 37, 207-216.	1.9	58
45	A multivariate approach to predict the volumetric and gravimetric feeding behavior of a low feed rate feeder based on raw material properties. <i>International Journal of Pharmaceutics</i> , 2019, 557, 342-353.	2.6	56
46	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. <i>Analyst</i> , The, 2006, 131, 1137.	1.7	55
47	Co-extrusion as manufacturing technique for fixed-dose combination mini-matrices. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012, 81, 683-689.	2.0	55
48	Immediate release of poorly soluble drugs from starch-based pellets prepared via extrusion/spheronisation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2007, 67, 715-724.	2.0	54
49	Impact of microcrystalline cellulose material attributes: A case study on continuous twin screw granulation. <i>International Journal of Pharmaceutics</i> , 2015, 478, 705-717.	2.6	53
50	In-depth experimental analysis of pharmaceutical twin-screw wet granulation in view of detailed process understanding. <i>International Journal of Pharmaceutics</i> , 2017, 529, 678-693.	2.6	53
51	Production of Drug Delivery Systems Using Fused Filament Fabrication: A Systematic Review. <i>Pharmaceutics</i> , 2020, 12, 517.	2.0	53
52	Process design applied to optimise a directly compressible powder produced via a continuous manufacturing process. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008, 68, 760-770.	2.0	52
53	Evaluation of spin freezing versus conventional freezing as part of a continuous pharmaceutical freeze-drying concept for unit doses. <i>International Journal of Pharmaceutics</i> , 2015, 496, 75-85.	2.6	50
54	Conceptual framework for model-based analysis of residence time distribution in twin-screw granulation. <i>European Journal of Pharmaceutical Sciences</i> , 2015, 71, 25-34.	1.9	49

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55	Breakage and drying behaviour of granules in a continuous fluid bed dryer: Influence of process parameters and wet granule transfer. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 115, 223-232.	1.9	49
56	Development of starch-based pellets via extrusion/spheronisation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2007, 66, 83-94.	2.0	47
57	Use of a continuous twin screw granulation and drying system during formulation development and process optimization. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 89, 239-247.	2.0	47
58	Hot-melt extrusion of polyvinyl alcohol for oral immediate release applications. <i>International Journal of Pharmaceutics</i> , 2015, 492, 1-9.	2.6	47
59	Continuous melt granulation: Influence of process and formulation parameters upon granule and tablet properties. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016, 107, 249-262.	2.0	47
60	Upscaling and in-line process monitoring via spectroscopic techniques of ethylene vinyl acetate hot-melt extruded formulations. <i>International Journal of Pharmaceutics</i> , 2012, 439, 223-229.	2.6	44
61	Continuous twin screw granulation: A complex interplay between formulation properties, process settings and screw design. <i>International Journal of Pharmaceutics</i> , 2020, 576, 119004.	2.6	44
62	A comparative study between melt granulation/compression and hot melt extrusion/injection molding for the manufacturing of oral sustained release thermoplastic polyurethane matrices. <i>International Journal of Pharmaceutics</i> , 2016, 513, 602-611.	2.6	41
63	Development and validation of a direct, non-destructive quantitative method for medroxyprogesterone acetate in a pharmaceutical suspension using FT-Raman spectroscopy. <i>European Journal of Pharmaceutical Sciences</i> , 2004, 23, 355-362.	1.9	40
64	Impact of material properties and process variables on the residence time distribution in twin screw feeding equipment. <i>International Journal of Pharmaceutics</i> , 2019, 556, 200-216.	2.6	40
65	Screening of pharmaceutical polymers for extrusion-Based Additive Manufacturing of patient-tailored tablets. <i>International Journal of Pharmaceutics</i> , 2020, 586, 119591.	2.6	40
66	Moisture and drug solid-state monitoring during a continuous drying process using empirical and mass balance models. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 87, 616-628.	2.0	39
67	Pectin-bioactive glass self-gelling, injectable composites with high antibacterial activity. <i>Carbohydrate Polymers</i> , 2019, 205, 427-436.	5.1	39
68	Sustained release from hot-melt extruded matrices based on ethylene vinyl acetate and polyethylene oxide. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012, 82, 526-533.	2.0	38
69	Development of a Nanocrystalline Paclitaxel Formulation for Hipec Treatment. <i>Pharmaceutical Research</i> , 2012, 29, 2398-2406.	1.7	37
70	Raman spectroscopy and multivariate analysis for the rapid discrimination between native-like and non-native states in freeze-dried protein formulations. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 85, 263-271.	2.0	37
71	Development of a controlled release formulation by continuous twin screw granulation: Influence of process and formulation parameters. <i>International Journal of Pharmaceutics</i> , 2016, 505, 61-68.	2.6	37
72	Development of a process map: A step towards a regime map for steady-state high shear wet twin screw granulation. <i>Powder Technology</i> , 2016, 300, 73-82.	2.1	37

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73	Impact of blend properties on die filling during tableting. <i>International Journal of Pharmaceutics</i> , 2018, 549, 476-488.	2.6	37
74	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. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 100, 21-27.	1.4	36
75	Model-based analysis of a twin-screw wet granulation system for continuous solid dosage manufacturing. <i>Computers and Chemical Engineering</i> , 2016, 89, 62-70.	2.0	36
76	Novel self-gelling injectable hydrogel/alpha-tricalcium phosphate composites for bone regeneration: Physiochemical and microcomputer tomographical characterization. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 822-828.	2.1	36
77	Continuous twin screw granulation: Influence of process and formulation variables on granule quality attributes of model formulations. <i>International Journal of Pharmaceutics</i> , 2020, 576, 118981.	2.6	36
78	Hot-melt co-extrusion for the production of fixed-dose combination products with a controlled release ethylcellulose matrix core. <i>International Journal of Pharmaceutics</i> , 2014, 464, 65-74.	2.6	35
79	Coprocessing via spray drying as a formulation platform to improve the compactability of various drugs. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008, 69, 320-334.	2.0	34
80	Validation of an in-line Raman spectroscopic method for continuous active pharmaceutical ingredient quantification during pharmaceutical hot-melt extrusion. <i>Analytica Chimica Acta</i> , 2014, 806, 180-187.	2.6	34
81	Extrusion-based 3D printing of oral solid dosage forms: Material requirements and equipment dependencies. <i>International Journal of Pharmaceutics</i> , 2021, 598, 120361.	2.6	34
82	Poly(2-ethyl-2-oxazoline) as Matrix Excipient for Drug Formulation by Hot Melt Extrusion and Injection Molding. <i>Macromolecular Rapid Communications</i> , 2012, 33, 1701-1707.	2.0	33
83	Improved tableability after a polymorphic transition of delta-mannitol during twin screw granulation. <i>International Journal of Pharmaceutics</i> , 2016, 506, 13-24.	2.6	33
84	Influence of surface topography and pore architecture of alkali-treated titanium on in vitro apatite deposition. <i>Applied Surface Science</i> , 2010, 256, 3693-3697.	3.1	32
85	Vaginal distribution and retention of a multiparticulate drug delivery system, assessed by gamma scintigraphy and magnetic resonance imaging. <i>International Journal of Pharmaceutics</i> , 2012, 426, 44-53.	2.6	32
86	Experimental investigation of granule size and shape dynamics in twin-screw granulation. <i>International Journal of Pharmaceutics</i> , 2014, 475, 485-495.	2.6	32
87	Crystal coating via spray drying to improve powder tableability. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 88, 939-944.	2.0	31
88	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. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, 1313-1326.	1.3	31
89	Spray drying of an attenuated live Newcastle disease vaccine virus intended for respiratory mass vaccination of poultry. <i>Vaccine</i> , 2007, 25, 8306-8317.	1.7	30
90	Effect of maltodextrin and superdisintegrant in directly compressible powder mixtures prepared via co-spray drying. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008, 68, 277-282.	2.0	30

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91	Identifying overarching excipient properties towards an in-depth understanding of process and product performance for continuous twin-screw wet granulation. <i>International Journal of Pharmaceutics</i> , 2017, 522, 234-247.	2.6	30
92	Direct compression and moulding properties of co-extruded isomalt/drug mixtures. <i>International Journal of Pharmaceutics</i> , 2002, 235, 159-168.	2.6	29
93	Continuous twin screw granulation of controlled release formulations with various HPMC grades. <i>International Journal of Pharmaceutics</i> , 2016, 511, 1048-1057.	2.6	29
94	Thermoplastic polyurethane-based intravaginal rings for prophylaxis and treatment of (recurrent) bacterial vaginosis. <i>International Journal of Pharmaceutics</i> , 2017, 529, 218-226.	2.6	29
95	Downstream processing from melt granulation towards tablets: In-depth analysis of a continuous twin-screw melt granulation process using polymeric binders. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 124, 43-54.	2.0	29
96	Processability of poly(vinyl alcohol) Based Filaments With Paracetamol Prepared by Hot-Melt Extrusion for Additive Manufacturing. <i>Journal of Pharmaceutical Sciences</i> , 2020, 109, 3636-3644.	1.6	29
97	Development and evaluation of injection-molded sustained-release tablets containing ethylcellulose and polyethylene oxide. <i>Drug Development and Industrial Pharmacy</i> , 2011, 37, 149-159.	0.9	28
98	Multivariate statistical process control of a continuous pharmaceutical twin-screw granulation and fluid bed drying process. <i>International Journal of Pharmaceutics</i> , 2017, 528, 242-252.	2.6	28
99	Cold extrusion as a continuous single-step granulation and tableting process. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2001, 52, 359-368.	2.0	27
100	Single-step granulation/tableting of different grades of lactose: a comparison with high shear granulation and compression. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2004, 58, 77-82.	2.0	27
101	Continuous manufacturing of delta mannitol by cospray drying with PVP. <i>International Journal of Pharmaceutics</i> , 2016, 501, 139-147.	2.6	27
102	Lubricant sensitivity in function of paddle movement in the forced feeder of a high-speed tablet press. <i>Drug Development and Industrial Pharmacy</i> , 2016, 42, 2078-2085.	0.9	26
103	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. <i>International Journal of Pharmaceutics</i> , 2018, 545, 128-143.	2.6	26
104	Optimizing feed frame design and tableting process parameters to increase die-filling uniformity on a high-speed rotary tablet press. <i>International Journal of Pharmaceutics</i> , 2018, 548, 54-61.	2.6	26
105	A primary drying model-based comparison of conventional batch freeze-drying to continuous spin-freeze-drying for unit doses. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020, 157, 97-107.	2.0	26
106	Continuous Twin Screw Granulation: A Review of Recent Progress and Opportunities in Formulation and Equipment Design. <i>Pharmaceutics</i> , 2021, 13, 668.	2.0	26
107	Prilling of fatty acids as a continuous process for the development of controlled release multiparticulate dosage forms. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 85, 587-596.	2.0	25
108	The impact of hot-melt extrusion on the tableting behaviour of polyvinyl alcohol. <i>International Journal of Pharmaceutics</i> , 2016, 498, 254-262.	2.6	25

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109	Elucidation and visualization of solid-state transformation and mixing in a pharmaceutical mini hot melt extrusion process using in-line Raman spectroscopy. <i>International Journal of Pharmaceutics</i> , 2017, 517, 119-127.	2.6	25
110	Preclinical evaluation of local prolonged release of paclitaxel from gelatin microspheres for the prevention of recurrence of peritoneal carcinomatosis in advanced ovarian cancer. <i>Scientific Reports</i> , 2019, 9, 14881.	1.6	25
111	Lyophilization and nebulization of pulmonary surfactant-coated nanogels for siRNA inhalation therapy. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020, 157, 191-199.	2.0	25
112	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?. <i>International Journal of Pharmaceutics</i> , 2021, 607, 120922.	2.6	25
113	In-line monitoring of compaction properties on a rotary tablet press during tablet manufacturing of hot-melt extruded amorphous solid dispersions. <i>International Journal of Pharmaceutics</i> , 2017, 517, 348-358.	2.6	24
114	Thermal Imaging as a Noncontact Inline Process Analytical Tool for Product Temperature Monitoring during Continuous Freeze-Drying of Unit Doses. <i>Analytical Chemistry</i> , 2018, 90, 13591-13599.	3.2	24
115	Vancomycin release from poly(D,L-lactic acid) spray-coated hydroxyapatite fibers. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010, 76, 366-370.	2.0	23
116	Visualization and Process Understanding of Material Behavior in the Extrusion Barrel during a Hot-Melt Extrusion Process Using Raman Spectroscopy. <i>Analytical Chemistry</i> , 2013, 85, 5420-5429.	3.2	23
117	Assessment and prediction of tablet properties using transmission and backscattering Raman spectroscopy and transmission NIR spectroscopy. <i>Asian Journal of Pharmaceutical Sciences</i> , 2016, 11, 547-558.	4.3	23
118	Evaluation of an in-line NIR spectroscopic method for the determination of the residence time in a tablet press. <i>International Journal of Pharmaceutics</i> , 2019, 565, 358-366.	2.6	23
119	Influence of binder attributes on binder effectiveness in a continuous twin screw wet granulation process via wet and dry binder addition. <i>International Journal of Pharmaceutics</i> , 2020, 585, 119466.	2.6	23
120	Release characteristics of polyurethane tablets containing dicarboxylic acids as release modifiers – a case study with diprophylline. <i>International Journal of Pharmaceutics</i> , 2014, 477, 244-250.	2.6	22
121	Evaluation of an in-line particle imaging tool for monitoring twin-screw granulation performance. <i>Powder Technology</i> , 2015, 285, 80-87.	2.1	22
122	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. <i>PLoS ONE</i> , 2016, 11, e0153441.	1.1	22
123	Managing API raw material variability during continuous twin-screw wet granulation. <i>International Journal of Pharmaceutics</i> , 2019, 561, 265-273.	2.6	22
124	Preparation and Evaluation of Sustained-Release Matrix Tablets Based on Metoprolol and an Acrylic Carrier Using Injection Moulding. <i>AAPS PharmSciTech</i> , 2012, 13, 1197-1211.	1.5	21
125	Distribution of binder in granules produced by means of twin screw granulation. <i>International Journal of Pharmaceutics</i> , 2014, 462, 8-10.	2.6	21
126	Calendering as a direct shaping tool for the continuous production of fixed-dose combination products via co-extrusion. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 96, 125-131.	2.0	21

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127	Enteric protection of naproxen in a fixed-dose combination product produced by hot-melt co-extrusion. <i>International Journal of Pharmaceutics</i> , 2015, 491, 243-249.	2.6	21
128	Managing API raw material variability in a continuous manufacturing line – Prediction of process robustness. <i>International Journal of Pharmaceutics</i> , 2019, 569, 118525.	2.6	21
129	Managing active pharmaceutical ingredient raw material variability during twin-screw blend feeding. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 135, 49-60.	2.0	21
130	Modeling drug release from hot-melt extruded mini-matrices with constant and non-constant diffusivities. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 73, 292-301.	2.0	20
131	Downstream processing from hot-melt extrusion towards tablets: A quality by design approach. <i>International Journal of Pharmaceutics</i> , 2017, 531, 235-245.	2.6	20
132	Model-based NIR spectroscopy implementation for in-line assay monitoring during a pharmaceutical suspension manufacturing process. <i>International Journal of Pharmaceutics</i> , 2018, 546, 247-254.	2.6	20
133	Co-extrusion as manufacturing technique for multilayer mini-matrices with dual drug release. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 85, 1157-1163.	2.0	19
134	Mechanistic modelling of infrared mediated energy transfer during the primary drying step of a continuous freeze-drying process. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 114, 11-21.	2.0	19
135	Porous pellets as drug delivery system. <i>Drug Development and Industrial Pharmacy</i> , 2009, 35, 655-662.	0.9	18
136	In vivo Toxicity and Bioavailability of Taxol® and a Paclitaxel/β ² -Cyclodextrin Formulation in a Rat Model During HIPEC. <i>Annals of Surgical Oncology</i> , 2010, 17, 2510-2517.	0.7	18
137	Modeling of Semicontinuous Fluid Bed Drying of Pharmaceutical Granules With Respect to Granule Size. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 2094-2101.	1.6	18
138	Human bioavailability of propranolol from a matrix-in-cylinder system with a HPMC-Gelucire® core. <i>Journal of Controlled Release</i> , 2005, 107, 523-536.	4.8	17
139	In vivo evaluation of the vaginal distribution and retention of a multi-particulate pellet formulation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 73, 280-284.	2.0	17
140	Co-extruded solid solutions as immediate release fixed-dose combinations. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 88, 502-509.	2.0	17
141	Stearic acid and high molecular weight PEO as matrix for the highly water soluble metoprolol tartrate in continuous twin-screw melt granulation. <i>International Journal of Pharmaceutics</i> , 2016, 512, 158-167.	2.6	17
142	Influence of reaction medium during synthesis of Gantrez® AN 119 nanoparticles for oral vaccination. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010, 74, 202-208.	2.0	16
143	The use of rheology to elucidate the granulation mechanisms of a miscible and immiscible system during continuous twin-screw melt granulation. <i>International Journal of Pharmaceutics</i> , 2016, 510, 271-284.	2.6	16
144	Vibrational spectroscopy to support the link between rheology and continuous twin-screw melt granulation on molecular level: A case study. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016, 103, 127-135.	2.0	16

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145	Influence of extended dwell time during pre- and main compression on the properties of ibuprofen tablets. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 128, 300-315.	2.0	16
146	Exploring high pressure nebulization of Pluronic F127 hydrogels for intraperitoneal drug delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021, 169, 134-143.	2.0	16
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