

Jukka Rantanen

List of Publications by Year in descending order

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514
papers

24,019
citations

6254

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18647

119
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525
all docs

525
docs citations

525
times ranked

15792
citing authors

#	ARTICLE	IF	CITATIONS
1	Transformation of nanoparticles into compacts: A study on PLGA and celecoxib nanoparticles. International Journal of Pharmaceutics, 2022, 611, 121278.	5.2	9
2	(Co-)amorphization of enantiomers – Investigation of the amorphization process, the physical stability and the dissolution behavior. International Journal of Pharmaceutics, 2022, 616, 121552.	5.2	4
3	Controlling desolvation through polymer-assisted grinding. CrystEngComm, 2022, 24, 2305-2313.	2.6	3
4	Elucidating the Dehydration Mechanism of Nitrofurantoin Monohydrate II Using Low-Frequency Raman Spectroscopy. Crystal Growth and Design, 2022, 22, 2733-2741.	3.0	5
5	Effect of pH on the Surface Layer of Molecular Crystals at the Solid–Liquid Interface. Molecular Pharmaceutics, 2022, 19, 1598-1603.	4.6	2
6	Leucine improves the aerosol performance of dry powder inhaler formulations of siRNA-loaded nanoparticles. International Journal of Pharmaceutics, 2022, 621, 121758.	5.2	26
7	A generalized image analytical algorithm for investigating tablet disintegration. International Journal of Pharmaceutics, 2022, 623, 121847.	5.2	2
8	Low-Frequency Raman Spectroscopy as an Avenue to Determine the Transition Temperature of β^2 - and β^3 -Relaxation in Pharmaceutical Glasses. Analytical Chemistry, 2022, 94, 8241-8248.	6.5	4
9	In-line fluorescence spectroscopy for quantification of low amount of active pharmaceutical ingredient. Journal of Pharmaceutical Sciences, 2022, , .	3.3	0
10	Development of a Microgram Scale Video-Microscopic Method to Investigate Dissolution Behavior of Poorly Water-Soluble Drugs. AAPS PharmSciTech, 2022, 23, .	3.3	0
11	In Vitro and In Vivo Antibacterial Activity of Patchouli Alcohol from Pogostemon cablin. Chinese Journal of Integrative Medicine, 2021, 27, 125-130.	1.6	8
12	Simultaneous automated image analysis and Raman spectroscopy of powders at an individual particle level. Journal of Pharmaceutical and Biomedical Analysis, 2021, 193, 113744.	2.8	4
13	Predictive identification of co-formers in co-amorphous systems. European Journal of Pharmaceutical Sciences, 2021, 157, 105636.	4.0	17
14	Comparison of co-former performance in co-amorphous formulations: Single amino acids, amino acid physical mixtures, amino acid salts and dipeptides as co-formers. European Journal of Pharmaceutical Sciences, 2021, 156, 105582.	4.0	18
15	Towards functional characterization of excipients for oral solid dosage forms using UV–vis imaging. Liberation, release and dissolution. Journal of Pharmaceutical and Biomedical Analysis, 2021, 194, 113789.	2.8	6
16	Determination of Residence Time Distribution in a Continuous Powder Mixing Process With Supervised and Unsupervised Modeling of In-line Near Infrared (NIR) Spectroscopic Data. Journal of Pharmaceutical Sciences, 2021, 110, 1259-1269.	3.3	5
17	The relevance of granule fragmentation on reduced tabletability of granules from ductile or brittle materials produced by roll compaction/dry granulation. International Journal of Pharmaceutics, 2021, 592, 120035.	5.2	17
18	Effect of dehydration pathway on the surface properties of molecular crystals. CrystEngComm, 2021, 23, 5788-5794.	2.6	1

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19	In situ nanoscale visualization of solvent effects on molecular crystal surfaces. <i>CrystEngComm</i> , 2021, 23, 2933-2937.	2.6	2
20	Monitoring the Isothermal Dehydration of Crystalline Hydrates Using Low-Frequency Raman Spectroscopy. <i>Molecular Pharmaceutics</i> , 2021, 18, 1264-1276.	4.6	12
21	Combined Effect of the Preparation Method and Compression on the Physical Stability and Dissolution Behavior of Melt-Quenched Amorphous Celecoxib. <i>Molecular Pharmaceutics</i> , 2021, 18, 1408-1418.	4.6	6
22	Deliquescence Behavior of Deep Eutectic Solvents. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1601.	2.5	11
23	Screening of novel excipients for freeze-dried protein formulations. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021, 160, 55-64.	4.3	7
24	Nanoparticle-mediated pulmonary drug delivery: state of the art towards efficient treatment of recalcitrant respiratory tract bacterial infections. <i>Drug Delivery and Translational Research</i> , 2021, 11, 1634-1654.	5.8	33
25	Co-Amorphous Drug Formulations in Numbers: Recent Advances in Co-Amorphous Drug Formulations with Focus on Co-Formability, Molar Ratio, Preparation Methods, Physical Stability, In Vitro and In Vivo Performance, and New Formulation Strategies. <i>Pharmaceutics</i> , 2021, 13, 389.	4.5	71
26	Probabilistic modeling of an injectable aqueous crystalline suspension using influence networks. <i>International Journal of Pharmaceutics</i> , 2021, 596, 120283.	5.2	0
27	Automated digital design for 3D-printed individualized therapies. <i>International Journal of Pharmaceutics</i> , 2021, 599, 120437.	5.2	24
28	Rapid Prototyping of Miniaturized Powder Mixing Geometries. <i>Journal of Pharmaceutical Sciences</i> , 2021, 110, 2625-2628.	3.3	2
29	Integration of personalized drug delivery systems into digital health. <i>Advanced Drug Delivery Reviews</i> , 2021, 176, 113857.	13.7	44
30	Preface : Additive Manufacturing in Pharmaceutical Product Design. <i>Advanced Drug Delivery Reviews</i> , 2021, 178, 113991.	13.7	0
31	Modular design principle based on compartmental drug delivery systems. <i>Advanced Drug Delivery Reviews</i> , 2021, 178, 113921.	13.7	16
32	Enabling formulations of aprepitant: in vitro and in vivo comparison of nanocrystalline, amorphous and deep eutectic solvent based formulations. <i>International Journal of Pharmaceutics: X</i> , 2021, 3, 100083.	1.6	3
33	Inhaled RNA Therapeutics for Obstructive Airway Diseases: Recent Advances and Future Prospects. <i>Pharmaceutics</i> , 2021, 13, 177.	4.5	18
34	Data-Enriched Edible Pharmaceutics (DEEP) with Bespoke Design, Dose and Drug Release. <i>Pharmaceutics</i> , 2021, 13, 1866.	4.5	8
35	Investigation of the effects of particle size on fragmentation during tableting. <i>International Journal of Pharmaceutics</i> , 2020, 576, 118985.	5.2	22
36	A material-saving and robust approach for obtaining accurate out-of-die powder compressibility. <i>Powder Technology</i> , 2020, 361, 903-909.	4.2	5

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37	Expedited Investigation of Powder Caking Aided by Rapid 3D Prototyping of Testing Devices. <i>Journal of Pharmaceutical Sciences</i> , 2020, 109, 769-774.	3.3	1
38	Hyperspectral imaging as a part of pharmaceutical product design. <i>Data Handling in Science and Technology</i> , 2020, 32, 567-581.	3.1	9
39	Near infrared analysis of pharmaceutical powders with empirical target distribution optimization (ETDO). <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 181, 113059.	2.8	8
40	<p>Effects of Anisodine Hydrobromide on the Cardiovascular and Respiratory Functions in Conscious Dogs</p>. <i>Drug Design, Development and Therapy</i> , 2020, Volume 14, 4263-4276.	4.3	1
41	Image-Based Artificial Intelligence Methods for Product Control of Tablet Coating Quality. <i>Pharmaceutics</i> , 2020, 12, 877.	4.5	21
42	Non-destructive quantification of fragmentation within tablets after compression from scattering analysis of terahertz transmission measurements. <i>International Journal of Pharmaceutics</i> , 2020, 588, 119769.	5.2	20
43	Data-enriched edible pharmaceuticals (DEEP) of medical cannabis by inkjet printing. <i>International Journal of Pharmaceutics</i> , 2020, 589, 119866.	5.2	33
44	Formulation of co-amorphous systems from naproxen and naproxen sodium and in situ monitoring of physicochemical state changes during dissolution testing by Raman spectroscopy. <i>International Journal of Pharmaceutics</i> , 2020, 587, 119662.	5.2	11
45	Comparative assessment of in vitro/in vivo performances of orodispersible electrospun and casting films containing rizatriptan benzoate. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020, 154, 283-289.	4.3	10
46	Effect of particle size and deformation behaviour on water ingress into tablets. <i>International Journal of Pharmaceutics</i> , 2020, 587, 119645.	5.2	12
47	3D printing in oral drug delivery. , 2020, , 359-386.		0
48	Solving the Computational Puzzle: Toward a Pragmatic Pathway for Modeling Low-Energy Vibrational Modes of Pharmaceutical Crystals. <i>Crystal Growth and Design</i> , 2020, 20, 6947-6955.	3.0	21
49	Continuous Manufacturing of a Polymer Stabilized Emulsion Monitored with Process Analytical Technology. <i>AAPS PharmSciTech</i> , 2020, 21, 154.	3.3	2
50	In silico design and 3D printing of microfluidic chips for the preparation of size-controllable siRNA nanocomplexes. <i>International Journal of Pharmaceutics</i> , 2020, 583, 119388.	5.2	13
51	Fabrication of Mucoadhesive Buccal Films for Local Administration of Ketoprofen and Lidocaine Hydrochloride by Combining Fused Deposition Modeling and Inkjet Printing. <i>Journal of Pharmaceutical Sciences</i> , 2020, 109, 2757-2766.	3.3	52
52	Manufacturing of hybrid drug delivery systems by utilizing the fused filament fabrication (FFF) technology. <i>Expert Opinion on Drug Delivery</i> , 2020, 17, 1063-1068.	5.0	17
53	Single particles as resonators for thermomechanical analysis. <i>Nature Communications</i> , 2020, 11, 1235.	12.8	8
54	Direct Measurement of Lateral Molecular Diffusivity on the Surface of Supersaturated Amorphous Solid Dispersions by Atomic Force Microscopy. <i>Molecular Pharmaceutics</i> , 2020, 17, 1715-1722.	4.6	9

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55	Determination of the Optimal Molar Ratio in Amino Acid-Based Coamorphous Systems. <i>Molecular Pharmaceutics</i> , 2020, 17, 1335-1342.	4.6	28
56	Nanoparticles for mucosal vaccine delivery. , 2020, , 603-646.		24
57	Influence of water of crystallization on the ternary phase behavior of a drug and deep eutectic solvent. <i>Journal of Molecular Liquids</i> , 2020, 315, 113727.	4.9	8
58	Temperature-Modulated Micromechanical Thermal Analysis with Microstring Resonators Detects Multiple Coherent Features of Small Molecule Glass Transition. <i>Sensors</i> , 2020, 20, 1019.	3.8	1
59	Effects of humidity on cellulose pellets loaded with potassium titanium oxide oxalate for detection of hydrogen peroxide vapor in powders. <i>Powder Technology</i> , 2020, 366, 348-357.	4.2	9
60	Medication Tracking: Design and Fabrication of a Dry Powder Inhaler with Integrated Acoustic Element by 3D Printing. <i>Pharmaceutical Research</i> , 2020, 37, 38.	3.5	2
61	A free-floating mucin layer to investigate the effect of the local microenvironment in lungs on mucin-nanoparticle interactions. <i>Acta Biomaterialia</i> , 2020, 104, 115-123.	8.3	19
62	Exploring the Complexity of Processing-Induced Dehydration during Hot Melt Extrusion Using In-Line Raman Spectroscopy. <i>Pharmaceutics</i> , 2020, 12, 116.	4.5	5
63	Optimizing the Intracellular Delivery of Therapeutic Anti-inflammatory TNF- α siRNA to Activated Macrophages Using Lipidoid-Polymer Hybrid Nanoparticles. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 601155.	4.1	11
64	Swelling of mucoadhesive electrospun chitosan/polyethylene oxide nanofibers facilitates adhesion to the sublingual mucosa. <i>Carbohydrate Polymers</i> , 2020, 242, 116428.	10.2	34
65	Quality by design thinking in the development of long-acting injectable PLGA/PLA-based microspheres for peptide and protein drug delivery. <i>International Journal of Pharmaceutics</i> , 2020, 585, 119441.	5.2	56
66	Synthesis of carbon quantum dot-poly lactic-co-glycolic acid hybrid nanoparticles for chemo-photothermal therapy against bacterial biofilms. <i>Journal of Colloid and Interface Science</i> , 2020, 577, 66-74.	9.4	38
67	Utilizing nanoparticles for improving anti-biofilm effects of azithromycin: A head-to-head comparison of modified hyaluronic acid nanogels and coated poly (lactic-co-glycolic acid) nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2019, 555, 595-606.	9.4	42
68	Identification of Factors of Importance for Spray Drying of Small Interfering RNA-Loaded Lipidoid-Polymer Hybrid Nanoparticles for Inhalation. <i>Pharmaceutical Research</i> , 2019, 36, 142.	3.5	39
69	Mechanistic profiling of the release kinetics of siRNA from lipidoid-polymer hybrid nanoparticles in vitro and in vivo after pulmonary administration. <i>Journal of Controlled Release</i> , 2019, 310, 82-93.	9.9	33
70	Low-Frequency Raman Spectroscopic Study on Compression-Induced Destabilization in Melt-Quenched Amorphous Celecoxib. <i>Molecular Pharmaceutics</i> , 2019, 16, 3678-3686.	4.6	25
71	Printing and Additive Manufacturing. <i>AAPS PharmSciTech</i> , 2019, 20, 261.	3.3	2
72	Tailor-made solvents for pharmaceutical use? Experimental and computational approach for determining solubility in deep eutectic solvents (DES). <i>International Journal of Pharmaceutics: X</i> , 2019, 1, 100034.	1.6	18

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73	Improving Powder Characteristics by Surface Modification Using Atomic Layer Deposition. <i>Organic Process Research and Development</i> , 2019, 23, 2362-2368.	2.7	15
74	Characterising glass transition temperatures and glass dynamics in mesoporous silica-based amorphous drugs. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 19686-19694.	2.8	17
75	Design of Gadoteridol-Loaded Cationic Liposomal Adjuvant CAF01 for MRI of Lung Deposition of Intrapulmonary Administered Particles. <i>Molecular Pharmaceutics</i> , 2019, 16, 4725-4737.	4.6	5
76	Unidirectional drug release from 3D printed mucoadhesive buccal films using FDM technology: In vitro and ex vivo evaluation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 144, 180-192.	4.3	90
77	Lipidoid-polymer hybrid nanoparticles loaded with TNF siRNA suppress inflammation after intra-articular administration in a murine experimental arthritis model. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 142, 38-48.	4.3	46
78	Cryptopharmaceuticals: Increasing the Safety of Medication by a Blockchain of Pharmaceutical Products. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 2838-2841.	3.3	51
79	Exploring the chemical space for freeze-drying excipients. <i>International Journal of Pharmaceutics</i> , 2019, 566, 254-263.	5.2	11
80	Determining short-lived solid forms during phase transformations using molecular dynamics. <i>CrystEngComm</i> , 2019, 21, 4020-4024.	2.6	16
81	Quantification of Inkjet-Printed Pharmaceuticals on Porous Substrates Using Raman Spectroscopy and Near-Infrared Spectroscopy. <i>AAPS PharmSciTech</i> , 2019, 20, 207.	3.3	21
82	Imaging of dehydration in particulate matter using Raman line-focus microscopy. <i>Scientific Reports</i> , 2019, 9, 7525.	3.3	14
83	Effect of thermal and shear stresses in the spray drying process on the stability of siRNA dry powders. <i>International Journal of Pharmaceutics</i> , 2019, 566, 32-39.	5.2	29
84	Effects of Water on Powder Flowability of Diverse Powders Assessed by Complimentary Techniques. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 2613-2620.	3.3	12
85	Inhalable co-amorphous budesonide-arginine dry powders prepared by spray drying. <i>International Journal of Pharmaceutics</i> , 2019, 565, 1-8.	5.2	41
86	Design of Inhalable Solid Dosage Forms of Budesonide and Theophylline for Pulmonary Combination Therapy. <i>AAPS PharmSciTech</i> , 2019, 20, 137.	3.3	16
87	Biorelevant intrinsic dissolution profiling in early drug development: Fundamental, methodological, and industrial aspects. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 139, 101-114.	4.3	21
88	The Use of 3D Printed Molds to Cast Tablets with a Designed Disintegration Profile. <i>AAPS PharmSciTech</i> , 2019, 20, 127.	3.3	7
89	Qualitative and quantitative analysis of the biophysical interaction of inhaled nanoparticles with pulmonary surfactant by using quartz crystal microbalance with dissipation monitoring. <i>Journal of Colloid and Interface Science</i> , 2019, 545, 162-171.	9.4	21
90	Influence of Glass Forming Ability on the Physical Stability of Supersaturated Amorphous Solid Dispersions. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 2561-2569.	3.3	35

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91	Amino acids as stabilizers for spray-dried simvastatin powder for inhalation. International Journal of Pharmaceutics, 2019, 572, 118724.	5.2	33
92	Determining Thermal Conductivity of Small Molecule Amorphous Drugs with Modulated Differential Scanning Calorimetry and Vacuum Molding Sample Preparation. Pharmaceutics, 2019, 11, 670.	4.5	3
93	Co-former selection for co-amorphous drug-amino acid formulations. International Journal of Pharmaceutics, 2019, 557, 366-373.	5.2	76
94	Evaluation of the effects of spray drying parameters for producing cubosome powder precursors. European Journal of Pharmaceutics and Biopharmaceutics, 2019, 135, 44-48.	4.3	9
95	Roadmap to 3D-Printed Oral Pharmaceutical Dosage Forms: Feedstock Filament Properties and Characterization for Fused Deposition Modeling. Journal of Pharmaceutical Sciences, 2019, 108, 26-35.	3.3	106
96	Molecular structure and impact of amorphization strategies on intrinsic dissolution of spray dried indomethacin. European Journal of Pharmaceutical Sciences, 2019, 129, 1-9.	4.0	16
97	On-line rheological characterization of semi-solid formulations. European Journal of Pharmaceutical Sciences, 2019, 128, 36-42.	4.0	11
98	Dipeptides as co-formers in co-amorphous systems. European Journal of Pharmaceutics and Biopharmaceutics, 2019, 134, 68-76.	4.3	30
99	Process Optimization and Upscaling of Spray-Dried Drug-Amino acid Co-Amorphous Formulations. Pharmaceutics, 2019, 11, 24.	4.5	17
100	Edible solid foams as porous substrates for inkjet-printable pharmaceuticals. European Journal of Pharmaceutics and Biopharmaceutics, 2019, 136, 38-47.	4.3	33
101	Stability of lysozyme incorporated into electrospun fibrous mats for wound healing. European Journal of Pharmaceutics and Biopharmaceutics, 2019, 136, 240-249.	4.3	15
102	Quantification of Fragmentation of Pharmaceutical Materials After Tableting. Journal of Pharmaceutical Sciences, 2019, 108, 1246-1253.	3.3	23
103	Future of microfluidics in research and in the market. , 2019, , 425-465.		12
104	Microfluidics-based self-assembly of peptide-loaded microgels: Effect of three dimensional (3D) printed micromixer design. Journal of Colloid and Interface Science, 2019, 538, 559-568.	9.4	19
105	Co-delivery of resveratrol and docetaxel via polymeric micelles to improve the treatment of drug-resistant tumors. Asian Journal of Pharmaceutical Sciences, 2019, 14, 78-85.	9.1	52
106	Lipid Shell-Enveloped Polymeric Nanoparticles with High Integrity of Lipid Shells Improve Mucus Penetration and Interaction with Cystic Fibrosis-Related Bacterial Biofilms. ACS Applied Materials & Interfaces, 2018, 10, 10678-10687.	8.0	21
107	Class-Transition Temperature of the $\hat{1}^2$ -Relaxation as the Major Predictive Parameter for Recrystallization of Neat Amorphous Drugs. Journal of Physical Chemistry B, 2018, 122, 2803-2808.	2.6	93
108	Transforming nanomedicine manufacturing toward Quality by Design and microfluidics. Advanced Drug Delivery Reviews, 2018, 128, 115-131.	13.7	75

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109	Application of a Salt Coformer in a Co-Amorphous Drug System Dramatically Enhances the Glass Transition Temperature: A Case Study of the Ternary System Carbamazepine, Citric Acid, and Arginine. <i>Molecular Pharmaceutics</i> , 2018, 15, 2036-2044.	4.6	61
110	The use of molecular descriptors in the development of co-amorphous formulations. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 119, 31-38.	4.0	28
111	Characterisation of pore structures of pharmaceutical tablets: A review. <i>International Journal of Pharmaceutics</i> , 2018, 538, 188-214.	5.2	90
112	Quantification of microwave-induced amorphization of celecoxib in PVP tablets using transmission Raman spectroscopy. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 117, 62-67.	4.0	35
113	Comparison of two DSC-based methods to predict drug-polymer solubility. <i>International Journal of Pharmaceutics</i> , 2018, 540, 98-105.	5.2	48
114	Role of Solvent Selection on Crystal Habit of 5-Aminosalicylic Acid—Combined Experimental and Computational Approach. <i>Journal of Pharmaceutical Sciences</i> , 2018, 107, 1112-1121.	3.3	10
115	Immunological and physical evaluation of the multistage tuberculosis subunit vaccine candidate H56/CAF01 formulated as a spray-dried powder. <i>Vaccine</i> , 2018, 36, 3331-3339.	3.8	33
116	Influence of PVP molecular weight on the microwave assisted in situ amorphization of indomethacin. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 122, 62-69.	4.3	29
117	Budesonide nanocrystal-loaded hyaluronic acid microparticles for inhalation: In vitro and in vivo evaluation. <i>Carbohydrate Polymers</i> , 2018, 181, 1143-1152.	10.2	59
118	QR encoded smart oral dosage forms by inkjet printing. <i>International Journal of Pharmaceutics</i> , 2018, 536, 138-145.	5.2	89
119	On the role of salt formation and structural similarity of co-formers in co-amorphous drug delivery systems. <i>International Journal of Pharmaceutics</i> , 2018, 535, 86-94.	5.2	65
120	Using 3D Printing for Rapid Prototyping of Characterization Tools for Investigating Powder Blend Behavior. <i>AAPS PharmSciTech</i> , 2018, 19, 941-950.	3.3	5
121	The role of mucus as an invisible cloak to transepithelial drug delivery by nanoparticles. <i>Advanced Drug Delivery Reviews</i> , 2018, 124, 107-124.	13.7	85
122	Transport mechanism of lipid covered saquinavir pure drug nanoparticles in intestinal epithelium. <i>Journal of Controlled Release</i> , 2018, 269, 159-170.	9.9	36
123	Ciprofloxacin-loaded sodium alginate/poly (lactic-co-glycolic acid) electrospun fibrous mats for wound healing. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 123, 42-49.	4.3	103
124	Ultrasensitive Microstring Resonators for Solid State Thermomechanical Analysis of Small and Large Molecules. <i>Journal of the American Chemical Society</i> , 2018, 140, 17522-17531.	13.7	9
125	Formulating Inhalable Dry Powders Using Two-Fluid and Three-Fluid Nozzle Spray Drying. <i>Pharmaceutical Research</i> , 2018, 35, 247.	3.5	21
126	In vitro and in vivo comparison between crystalline and co-amorphous salts of naproxen-arginine. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 132, 192-199.	4.3	35

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127	Analytical aspects of printed oral dosage forms. <i>International Journal of Pharmaceutics</i> , 2018, 553, 97-108.	5.2	31
128	Insight into Nanoscale Network of Spray-Dried Polymeric Particles: Role of Polymer Molecular Conformation. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 36686-36692.	8.0	8
129	Early assessment of bulk powder processability as a part of solid form screening. <i>Chemical Engineering Research and Design</i> , 2018, 136, 447-455.	5.6	12
130	Poly(ethylene carbonate)-containing polylactic acid microparticles with rifampicin improve drug delivery to macrophages. <i>Journal of Pharmacy and Pharmacology</i> , 2018, 70, 1009-1021.	2.4	10
131	Multivariate Analysis Supporting Pharmaceutical Research. , 2018, , 175-184.		2
132	Additive manufacturing of prototype elements with process interfaces for continuously operating manufacturing lines. <i>Asian Journal of Pharmaceutical Sciences</i> , 2018, 13, 575-583.	9.1	1
133	Influence of solvent mixtures on HPMCAS-celecoxib microparticles prepared by electrospraying. <i>Asian Journal of Pharmaceutical Sciences</i> , 2018, 13, 584-591.	9.1	3
134	Aspartame as a co-former in co-amorphous systems. <i>International Journal of Pharmaceutics</i> , 2018, 549, 380-387.	5.2	40
135	Immunogenicity Testing of Lipidoids In Vitro and In Silico: Modulating Lipidoid-Mediated TLR4 Activation by Nanoparticle Design. <i>Molecular Therapy - Nucleic Acids</i> , 2018, 11, 159-169.	5.1	27
136	Ribbon density and milling parameters that determine fines fraction in a dry granulation. <i>Powder Technology</i> , 2018, 338, 162-167.	4.2	16
137	Organic acids as co-formers for co-amorphous systems – Influence of variation in molar ratio on the physicochemical properties of the co-amorphous systems. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 131, 25-32.	4.3	56
138	The Role of Glass Transition Temperatures in Coamorphous Drug – Amino Acid Formulations. <i>Molecular Pharmaceutics</i> , 2018, 15, 4247-4256.	4.6	49
139	Spray dried cubosomes with ovalbumin and Quil-A as a nanoparticulate dry powder vaccine formulation. <i>International Journal of Pharmaceutics</i> , 2018, 550, 35-44.	5.2	30
140	Analysis of 3D Prints by X-ray Computed Microtomography and Terahertz Pulsed Imaging. <i>Pharmaceutical Research</i> , 2017, 34, 1037-1052.	3.5	69
141	Amorphization within the tablet: Using microwave irradiation to form a glass solution in situ. <i>International Journal of Pharmaceutics</i> , 2017, 519, 343-351.	5.2	39
142	Electrospinnability of Poly Lactic-co-glycolic Acid (PLGA): the Role of Solvent Type and Solvent Composition. <i>Pharmaceutical Research</i> , 2017, 34, 738-749.	3.5	38
143	Influence of preparation pathway on the glass forming ability. <i>International Journal of Pharmaceutics</i> , 2017, 521, 232-238.	5.2	20
144	Multispectral UV Imaging for Determination of the Tablet Coating Thickness. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 1560-1569.	3.3	7

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145	Downstream Processability of Crystal Habit-Modified Active Pharmaceutical Ingredient. <i>Organic Process Research and Development</i> , 2017, 21, 571-577.	2.7	44
146	Amorphous is not always better – A dissolution study on solid state forms of carbamazepine. <i>International Journal of Pharmaceutics</i> , 2017, 522, 74-79.	5.2	14
147	Nanomechanical Infrared Spectroscopy with Vibrating Filters for Pharmaceutical Analysis. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3901-3905.	13.8	22
148	Visualization and Non-Destructive Quantification of Inkjet-Printed Pharmaceuticals on Different Substrates Using Raman Spectroscopy and Raman Chemical Imaging. <i>Pharmaceutical Research</i> , 2017, 34, 1023-1036.	3.5	38
149	Improvement of the physicochemical properties of Co-amorphous naproxen-indomethacin by naproxen-sodium. <i>International Journal of Pharmaceutics</i> , 2017, 526, 88-94.	5.2	13
150	Investigation of nanocarriers and excipients for preparation of nanoembedded microparticles. <i>International Journal of Pharmaceutics</i> , 2017, 526, 300-308.	5.2	11
151	The flow properties and presence of crystals in drug-polymer mixtures: Rheological investigation combined with light microscopy. <i>International Journal of Pharmaceutics</i> , 2017, 528, 383-394.	5.2	15
152	Dehydration of Nitrofurantoin Monohydrate during Melt Extrusion. <i>Crystal Growth and Design</i> , 2017, 17, 3707-3715.	3.0	10
153	Correlation between calculated molecular descriptors of excipient amino acids and experimentally observed thermal stability of lysozyme. <i>International Journal of Pharmaceutics</i> , 2017, 523, 238-245.	5.2	9
154	The evaluation of physical properties of injection molded systems based on poly(ethylene oxide) (PEO). <i>International Journal of Pharmaceutics</i> , 2017, 518, 203-212.	5.2	4
155	High-Throughput Fabrication of Nanocomplexes Using 3D-Printed Micromixers. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 835-842.	3.3	13
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