

Jukka Rantanen

List of Publications by Year in descending order

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514
papers

24,019
citations

6254

80
h-index

18647

119
g-index

525
all docs

525
docs citations

525
times ranked

15792
citing authors

#	ARTICLE	IF	CITATIONS
1	Emerging trends in the stabilization of amorphous drugs. <i>International Journal of Pharmaceutics</i> , 2013, 453, 65-79.	5.2	360
2	Recent advances in co-amorphous drug formulations. <i>Advanced Drug Delivery Reviews</i> , 2016, 100, 116-125.	13.7	350
3	Terahertz pulsed spectroscopy and imaging in the pharmaceutical setting - a review. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 59, 209-223.	2.4	330
4	Using Terahertz Pulsed Spectroscopy to Quantify Pharmaceutical Polymorphism and Crystallinity. <i>Journal of Pharmaceutical Sciences</i> , 2005, 94, 837-846.	3.3	326
5	The Future of Pharmaceutical Manufacturing Sciences. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 3612-3638.	3.3	303
6	Coamorphous Drug Systems: Enhanced Physical Stability and Dissolution Rate of Indomethacin and Naproxen. <i>Molecular Pharmaceutics</i> , 2011, 8, 1919-1928.	4.6	302
7	New perspectives on lipid and surfactant based drug delivery systems for oral delivery of poorly soluble drugs. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 62, 1622-1636.	2.4	246
8	Amino acids as co-amorphous stabilizers for poorly water soluble drugs – Part 1: Preparation, stability and dissolution enhancement. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 85, 873-881.	4.3	246
9	Solid form screening – A review. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 71, 23-37.	4.3	237
10	Enhanced dissolution rate and synchronized release of drugs in binary systems through formulation: Amorphous naproxen–cimetidine mixtures prepared by mechanical activation. <i>Journal of Controlled Release</i> , 2009, 136, 45-53.	9.9	236
11	An overview of recent studies on the analysis of pharmaceutical polymorphs. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 55, 618-644.	2.8	233
12	Raman spectroscopy in pharmaceutical product design. <i>Advanced Drug Delivery Reviews</i> , 2015, 89, 3-20.	13.7	221
13	Using terahertz pulsed spectroscopy to study crystallinity of pharmaceutical materials. <i>Chemical Physics Letters</i> , 2004, 390, 20-24.	2.6	217
14	Characterization of glass solutions of poorly water-soluble drugs produced by melt extrusion with hydrophilic amorphous polymers. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 53, 303-315.	2.4	205
15	Co-amorphous simvastatin and glipizide combinations show improved physical stability without evidence of intermolecular interactions. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012, 81, 159-169.	4.3	197
16	Raman spectroscopy for quantitative analysis of pharmaceutical solids. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 59, 179-192.	2.4	196
17	High loading efficiency and sustained release of siRNA encapsulated in PLGA nanoparticles: Quality by design optimization and characterization. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011, 77, 26-35.	4.3	191
18	Analysis of Coating Structures and Interfaces in Solid Oral Dosage Forms by Three Dimensional Terahertz Pulsed Imaging. <i>Journal of Pharmaceutical Sciences</i> , 2007, 96, 330-340.	3.3	179

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19	Physical characterization and stability of amorphous indomethacin and ranitidine hydrochloride binary systems prepared by mechanical activation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 71, 47-54.	4.3	179
20	Analysis of solid-state transformations of pharmaceutical compounds using vibrational spectroscopy. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 61, 971-988.	2.4	179
21	Cell-penetrating peptides for drug delivery across membrane barriers. <i>Expert Opinion on Drug Delivery</i> , 2008, 5, 105-117.	5.0	177
22	Spray drying of siRNA-containing PLGA nanoparticles intended for inhalation. <i>Journal of Controlled Release</i> , 2010, 142, 138-145.	9.9	176
23	Structural investigations on nanoemulsions, solid lipid nanoparticles and nanostructured lipid carriers by cryo-field emission scanning electron microscopy and Raman spectroscopy. <i>International Journal of Pharmaceutics</i> , 2006, 314, 56-62.	5.2	170
24	The adjuvant mechanism of cationic dimethyldioctadecylammonium liposomes. <i>Immunology</i> , 2007, 121, 216-226.	4.4	167
25	Design of an inhalable dry powder formulation of DOTAP-modified PLGA nanoparticles loaded with siRNA. <i>Journal of Controlled Release</i> , 2012, 157, 141-148.	9.9	162
26	Anti-tuberculosis drug combination for controlled oral delivery using 3D printed compartmental dosage forms: From drug product design to in vivo testing. <i>Journal of Controlled Release</i> , 2017, 268, 40-48.	9.9	154
27	Amino acids as co-amorphous stabilizers for poorly water-soluble drugs – Part 2: Molecular interactions. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 85, 882-888.	4.3	153
28	Preparation of glass solutions of three poorly water soluble drugs by spray drying, melt extrusion and ball milling. <i>International Journal of Pharmaceutics</i> , 2007, 336, 22-34.	5.2	149
29	Rheology as a tool for evaluation of melt processability of innovative dosage forms. <i>International Journal of Pharmaceutics</i> , 2015, 494, 623-642.	5.2	147
30	Design space approach in the optimization of the spray-drying process. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012, 80, 226-234.	4.3	138
31	Intestinal mucosa permeability following oral insulin delivery using core shell corona nanoliposomes. <i>Biomaterials</i> , 2013, 34, 9678-9687.	11.4	137
32	Drug hydrate systems and dehydration processes studied by terahertz pulsed spectroscopy. <i>International Journal of Pharmaceutics</i> , 2007, 334, 78-84.	5.2	134
33	Use of In-Line Near-Infrared Spectroscopy in Combination with Chemometrics for Improved Understanding of Pharmaceutical Processes. <i>Analytical Chemistry</i> , 2005, 77, 556-563.	6.5	132
34	Precipitation of a Poorly Soluble Model Drug during In Vitro Lipolysis: Characterization and Dissolution of the Precipitate. <i>Journal of Pharmaceutical Sciences</i> , 2010, 99, 4982-4991.	3.3	131
35	Three-Dimensional Printing of Drug-Eluting Implants: Preparation of an Antimicrobial Polylactide Feedstock Material. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 1099-1107.	3.3	131
36	Characterization of Temperature-Induced Phase Transitions in Five Polymorphic Forms of Sulfathiazole by Terahertz Pulsed Spectroscopy and Differential Scanning Calorimetry. <i>Journal of Pharmaceutical Sciences</i> , 2006, 95, 2486-2498.	3.3	126

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37	The Influence of Thermal and Mechanical Preparative Techniques on the Amorphous State of Four Poorly Soluble Compounds. <i>Journal of Pharmaceutical Sciences</i> , 2005, 94, 1998-2012.	3.3	124
38	Investigation of properties and recrystallisation behaviour of amorphous indomethacin samples prepared by different methods. <i>International Journal of Pharmaceutics</i> , 2011, 417, 94-100.	5.2	124
39	Correlating thermodynamic and kinetic parameters with amorphous stability. <i>European Journal of Pharmaceutical Sciences</i> , 2009, 37, 492-498.	4.0	123
40	Non-destructive quantification of pharmaceutical tablet coatings using terahertz pulsed imaging and optical coherence tomography. <i>Optics and Lasers in Engineering</i> , 2011, 49, 361-365.	3.8	120
41	Refining stability and dissolution rate of amorphous drug formulations. <i>Expert Opinion on Drug Delivery</i> , 2014, 11, 977-989.	5.0	119
42	Modifying release characteristics from 3D printed drug-eluting products. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 90, 47-52.	4.0	118
43	Subunit vaccines of the future: the need for safe, customized and optimized particulate delivery systems. <i>Therapeutic Delivery</i> , 2011, 2, 1057-1077.	2.2	116
44	Chitosan-Based Nano-Embedded Microparticles: Impact of Nanogel Composition on Physicochemical Properties. <i>Pharmaceutics</i> , 2017, 9, 1.	4.5	116
45	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.	6.5	115
46	Quantifying ternary mixtures of different solid-state forms of indomethacin by Raman and near-infrared spectroscopy. <i>European Journal of Pharmaceutical Sciences</i> , 2007, 32, 182-192.	4.0	115
47	Stabilization of liposomes during drying. <i>Expert Opinion on Drug Delivery</i> , 2011, 8, 375-388.	5.0	114
48	Supersaturated Self-Nanoemulsifying Drug Delivery Systems (Super-SNEDDS) Enhance the Bioavailability of the Poorly Water-Soluble Drug Simvastatin in Dogs. <i>AAPS Journal</i> , 2013, 15, 219-227.	4.4	114
49	Comparative Study of Different Methods for the Prediction of Drug's Polymer Solubility. <i>Molecular Pharmaceutics</i> , 2015, 12, 3408-3419.	4.6	111
50	On-line monitoring of moisture content in an instrumented fluidized bed granulator with a multi-channel NIR moisture sensor. <i>Powder Technology</i> , 1998, 99, 163-170.	4.2	110
51	Solvent-Mediated Phase Transformation Kinetics of an Anhydrate/Hydrate System. <i>Crystal Growth and Design</i> , 2006, 6, 2053-2060.	3.0	106
52	Roadmap to 3D-Printed Oral Pharmaceutical Dosage Forms: Feedstock Filament Properties and Characterization for Fused Deposition Modeling. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 26-35.	3.3	106
53	Improving Co-Amorphous Drug Formulations by the Addition of the Highly Water Soluble Amino Acid, Proline. <i>Pharmaceutics</i> , 2014, 6, 416-435.	4.5	105
54	License to kill: Formulation requirements for optimal priming of CD8+ CTL responses with particulate vaccine delivery systems. <i>European Journal of Pharmaceutical Sciences</i> , 2012, 45, 482-491.	4.0	103

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55	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
56	Crystallization of glycine with ultrasound. <i>International Journal of Pharmaceutics</i> , 2006, 320, 23-29.	5.2	102
57	In-line moisture measurement during granulation with a four-wavelength near infrared sensor: an evaluation of particle size and binder effects. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2000, 50, 271-276.	4.3	101
58	Screening for differences in the amorphous state of indomethacin using multivariate visualization. <i>European Journal of Pharmaceutical Sciences</i> , 2007, 30, 113-123.	4.0	101
59	Hydrate formation during wet granulation studied by spectroscopic methods and multivariate analysis. <i>Pharmaceutical Research</i> , 2002, 19, 1285-1291.	3.5	99
60	Role of Water in the Physical Stability of Solid Dosage Formulations. <i>Journal of Pharmaceutical Sciences</i> , 2005, 94, 2147-2165.	3.3	99
61	Predicting Crystallization of Amorphous Drugs with Terahertz Spectroscopy. <i>Molecular Pharmaceutics</i> , 2015, 12, 3062-3068.	4.6	97
62	A theoretical and spectroscopic study of co-amorphous naproxen and indomethacin. <i>International Journal of Pharmaceutics</i> , 2013, 453, 80-87.	5.2	95
63	Preparation and characterization of spray-dried co-amorphous drug-amino acid salts. <i>Journal of Pharmacy and Pharmacology</i> , 2016, 68, 615-624.	2.4	95
64	Novel Identification of Pseudopolymorphic Changes of Theophylline During Wet Granulation Using Near Infrared Spectroscopy. <i>Journal of Pharmaceutical Sciences</i> , 2001, 90, 389-396.	3.3	94
65	Quantitative analysis of polymorphic mixtures of ranitidine hydrochloride by Raman spectroscopy and principal components analysis. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2002, 54, 337-341.	4.3	94
66	Supersaturating drug delivery systems: The potential of co-amorphous drug formulations. <i>International Journal of Pharmaceutics</i> , 2017, 532, 1-12.	5.2	93
67	Glass-Transition Temperature of the β -Relaxation as the Major Predictive Parameter for Recrystallization of Neat Amorphous Drugs. <i>Journal of Physical Chemistry B</i> , 2018, 122, 2803-2808.	2.6	93
68	Perspectives in the use of spectroscopy to characterise pharmaceutical solids. <i>International Journal of Pharmaceutics</i> , 2008, 364, 159-169.	5.2	90
69	Characterisation of pore structures of pharmaceutical tablets: A review. <i>International Journal of Pharmaceutics</i> , 2018, 538, 188-214.	5.2	90
70	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
71	QR encoded smart oral dosage forms by inkjet printing. <i>International Journal of Pharmaceutics</i> , 2018, 536, 138-145.	5.2	89
72	Amino Acids as Co-amorphous Excipients for Simvastatin and Glibenclamide: Physical Properties and Stability. <i>Molecular Pharmaceutics</i> , 2014, 11, 2381-2389.	4.6	88

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73	In Situ Measurement of Solvent-Mediated Phase Transformations During Dissolution Testing. <i>Journal of Pharmaceutical Sciences</i> , 2006, 95, 2730-2737.	3.3	87
74	Temperature dependent terahertz pulsed spectroscopy of carbamazepine. <i>Thermochimica Acta</i> , 2005, 436, 71-77.	2.7	85
75	Physicochemical Properties and Stability of Two Differently Prepared Amorphous Forms of Simvastatin. <i>Crystal Growth and Design</i> , 2008, 8, 128-135.	3.0	85
76	Understanding the solid-state forms of fenofibrate – A spectroscopic and computational study. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 71, 100-108.	4.3	85
77	A Step Toward Development of Printable Dosage Forms for Poorly Soluble Drugs. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 3694-3704.	3.3	85
78	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
79	Influence of Polymer Molecular Weight on Drug-polymer Solubility: A Comparison between Experimentally Determined Solubility in PVP and Prediction Derived from Solubility in Monomer. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 2905-2912.	3.3	84
80	Process analytical applications of Raman spectroscopy. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 59, 171-177.	2.4	83
81	Comparison of the effects of two drying methods on polymorphism of theophylline. <i>International Journal of Pharmaceutics</i> , 2004, 276, 129-141.	5.2	82
82	Factors affecting crystallization of hydrates. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 62, 1534-1546.	2.4	82
83	Physical stability and moisture sorption of aqueous chitosan-amylose starch films plasticized with polyols. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2004, 58, 69-76.	4.3	81
84	Applications of terahertz pulsed imaging to sustained-release tablet film coating quality assessment and dissolution performance. <i>Journal of Controlled Release</i> , 2008, 127, 79-87.	9.9	81
85	Status and future prospects of lipid-based particulate delivery systems as vaccine adjuvants and their combination with immunostimulators. <i>Expert Opinion on Drug Delivery</i> , 2009, 6, 657-672.	5.0	81
86	Solid-state properties and dissolution behaviour of tablets containing co-amorphous indomethacin-arginine. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 96, 44-52.	4.3	80
87	Trehalose preserves DDA/TDB liposomes and their adjuvant effect during freeze-drying. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007, 1768, 2120-2129.	2.6	79
88	Formation Kinetics and Stability of Carbamazepine-Nicotinamide Cocrystals Prepared by Mechanical Activation. <i>Crystal Growth and Design</i> , 2009, 9, 2377-2386.	3.0	79
89	Characterising Lipid Lipolysis and Its Implication in Lipid-Based Formulation Development. <i>AAPS Journal</i> , 2012, 14, 860-871.	4.4	79
90	Development of a screening method for co-amorphous formulations of drugs and amino acids. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 95, 28-35.	4.0	78

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91	Elucidating the molecular mechanism of PAMAM-siRNA dendriplex self-assembly: Effect of dendrimer charge density. <i>International Journal of Pharmaceutics</i> , 2011, 416, 410-418.	5.2	77
92	Co-former selection for co-amorphous drug-amino acid formulations. <i>International Journal of Pharmaceutics</i> , 2019, 557, 366-373.	5.2	76
93	Recent pharmaceutical applications of raman and terahertz spectroscopies. <i>Journal of Pharmaceutical Sciences</i> , 2008, 97, 4598-4621.	3.3	75
94	Molecular Characterization of the Interaction between siRNA and PAMAM G7 Dendrimers by SAXS, ITC, and Molecular Dynamics Simulations. <i>Biomacromolecules</i> , 2010, 11, 3571-3577.	5.4	75
95	Design of PLGA-based depot delivery systems for biopharmaceuticals prepared by spray drying. <i>International Journal of Pharmaceutics</i> , 2016, 498, 82-95.	5.2	75
96	Transforming nanomedicine manufacturing toward Quality by Design and microfluidics. <i>Advanced Drug Delivery Reviews</i> , 2018, 128, 115-131.	13.7	75
97	Toward an Understanding of the Factors Influencing Anhydrate-to-Hydrate Transformation Kinetics in Aqueous Environments. <i>Crystal Growth and Design</i> , 2008, 8, 2684-2693.	3.0	72
98	Formation Mechanism of Coamorphous Drug-Amino Acid Mixtures. <i>Molecular Pharmaceutics</i> , 2015, 12, 2484-2492.	4.6	72
99	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
100	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.	4.3	70
101	Use of the Near-Infrared Reflectance Method for Measurement of Moisture Content During Granulation. <i>Pharmaceutical Development and Technology</i> , 2000, 5, 209-217.	2.4	69
102	Analysis of 3D Prints by X-ray Computed Microtomography and Terahertz Pulsed Imaging. <i>Pharmaceutical Research</i> , 2017, 34, 1037-1052.	3.5	69
103	Quantitative analysis of polymorphic mixtures of carbamazepine by Raman spectroscopy and principal components analysis. <i>Journal of Raman Spectroscopy</i> , 2004, 35, 347-352.	2.5	68
104	Improved Understanding of Factors Contributing to Quantification of Anhydrate/Hydrate Powder Mixtures. <i>Applied Spectroscopy</i> , 2005, 59, 942-951.	2.2	68
105	A theoretical and spectroscopic study of β -crystalline and amorphous indometacin. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 59, 261-269.	2.4	68
106	Insights into the Early Dissolution Events of Amlodipine Using UV Imaging and Raman Spectroscopy. <i>Molecular Pharmaceutics</i> , 2011, 8, 1372-1380.	4.6	68
107	Influence of solvent evaporation rate and formulation factors on solid dispersion physical stability. <i>European Journal of Pharmaceutical Sciences</i> , 2011, 44, 610-620.	4.0	68
108	Excipient selection can significantly affect solid-state phase transformation in formulation during wet granulation. <i>AAPS PharmSciTech</i> , 2005, 6, E311-E322.	3.3	67

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109	The Role of Configurational Entropy in Amorphous Systems. <i>Pharmaceutics</i> , 2010, 2, 224-244.	4.5	67
110	A novel method of producing a microcrystalline β -sitosterol suspension in oil. <i>European Journal of Pharmaceutical Sciences</i> , 2002, 15, 261-269.	4.0	66
111	Mechanistic profiling of the siRNA delivery dynamics of lipid-polymer hybrid nanoparticles. <i>Journal of Controlled Release</i> , 2015, 201, 22-31.	9.9	66
112	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
113	Influence of variation in molar ratio on co-amorphous drug-amino acid systems. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016, 107, 32-39.	4.3	64
114	Effects of Excipients on Hydrate Formation in Wet Masses Containing Theophylline. <i>Journal of Pharmaceutical Sciences</i> , 2003, 92, 516-528.	3.3	63
115	Prediction of aqueous solubility for a diverse set of organic compounds based on atom-type electrotopological state indices. <i>European Journal of Medicinal Chemistry</i> , 2000, 35, 1081-1088.	5.5	61
116	Monitoring tablet surface roughness during the film coating process. <i>AAPS PharmSciTech</i> , 2006, 7, E1-E6.	3.3	61
117	Hot Melt Extrusion and Spray Drying of Co-amorphous Indomethacin-Arginine With Polymers. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 302-312.	3.3	61
118	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
119	Microcrystalline cellulose-water interaction—a novel approach using thermoporosimetry. <i>Pharmaceutical Research</i> , 2001, 18, 1562-1569.	3.5	60
120	Critical Solvent Properties Affecting the Particle Formation Process and Characteristics of Celecoxib-Loaded PLGA Microparticles via Spray-Drying. <i>Pharmaceutical Research</i> , 2013, 30, 1065-1076.	3.5	59
121	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
122	Polymorph Screening Using Near-Infrared Spectroscopy. <i>Analytical Chemistry</i> , 2003, 75, 5267-5273.	6.5	58
123	Influence of Polymorphic Form, Morphology, and Excipient Interactions on the Dissolution of Carbamazepine Compacts. <i>Journal of Pharmaceutical Sciences</i> , 2007, 96, 584-594.	3.3	57
124	Performance comparison between crystalline and co-amorphous salts of indomethacin-lysine. <i>International Journal of Pharmaceutics</i> , 2017, 533, 138-144.	5.2	57
125	In-line moisture measurement during granulation with a four-wavelength near-infrared sensor: an evaluation of process-related variables and a development of non-linear calibration model. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2001, 56, 51-58.	3.5	56
126	Near-Infrared Spectroscopy for Cocrystal Screening. A Comparative Study with Raman Spectroscopy. <i>Analytical Chemistry</i> , 2008, 80, 7755-7764.	6.5	56

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127	Nanoparticle-mediated delivery of the antimicrobial peptide plectasin against <i>Staphylococcus aureus</i> in infected epithelial cells. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 92, 65-73.	4.3	56
128	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
129	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
130	IR spectroscopy together with multivariate data analysis as a process analytical tool for in-line monitoring of crystallization process and solid-state analysis of crystalline product. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 38, 275-284.	2.8	55
131	Cellular uptake and membrane-destabilising properties of α -peptide/ β -peptoid chimeras: lessons for the design of new cell-penetrating peptides. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 2487-2495.	2.6	55
132	Improvement of dissolution rate of indomethacin by inkjet printing. <i>European Journal of Pharmaceutical Sciences</i> , 2015, 75, 91-100.	4.0	55
133	Establishing quantitative in-line analysis of multiple solid-state transformations during dehydration. <i>Journal of Pharmaceutical Sciences</i> , 2008, 97, 4983-4999.	3.3	54
134	Formation and physical stability of the amorphous phase of ranitidine hydrochloride polymorphs prepared by cryo-milling. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008, 68, 771-780.	4.3	54
135	Spatial confinement can lead to increased stability of amorphous indomethacin. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012, 81, 418-425.	4.3	54
136	Effects of film coating thickness and drug layer uniformity on in vitro drug release from sustained-release coated pellets: A case study using terahertz pulsed imaging. <i>International Journal of Pharmaceutics</i> , 2009, 382, 151-159.	5.2	53
137	The influence of various excipients on the conversion kinetics of carbamazepine polymorphs in aqueous suspension. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 59, 193-201.	2.4	53
138	Investigation of the Formation Process of Two Piracetam Cocrystals during Grinding. <i>Pharmaceutics</i> , 2011, 3, 706-722.	4.5	53
139	Investigation of physical properties and stability of indomethacin-cimetidine and naproxen-cimetidine co-amorphous systems prepared by quench cooling, coprecipitation and ball milling. <i>Journal of Pharmacy and Pharmacology</i> , 2016, 68, 36-45.	2.4	53
140	Engineering of small interfering RNA-loaded lipidoid-poly(DL -lactic-co-glycolic acid) hybrid nanoparticles for highly efficient and safe gene silencing: A quality by design-based approach. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 120, 22-33.	4.3	53
141	Co-delivery of resveratrol and docetaxel via polymeric micelles to improve the treatment of drug-resistant tumors. <i>Asian Journal of Pharmaceutical Sciences</i> , 2019, 14, 78-85.	9.1	52
142	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
143	Qualitative in situ analysis of multiple solid-state forms using spectroscopy and partial least squares discriminant modeling. <i>Journal of Pharmaceutical Sciences</i> , 2007, 96, 1802-1820.	3.3	51
144	Solvent Diversity in Polymorph Screening. <i>Journal of Pharmaceutical Sciences</i> , 2008, 97, 2145-2159.	3.3	51

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145	Quantitative solid-state analysis of three solid forms of ranitidine hydrochloride in ternary mixtures using Raman spectroscopy and X-ray powder diffraction. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2009, 49, 18-25.	2.8	51
146	Particle size dependence of polymorphism in spray-dried mannitol. <i>European Journal of Pharmaceutical Sciences</i> , 2011, 44, 41-48.	4.0	51
147	Incorporation of the TLR4 Agonist Monophosphoryl Lipid A Into the Bilayer of DDA/TDB Liposomes: Physico-Chemical Characterization and Induction of CD8+ T-Cell Responses In Vivo. <i>Pharmaceutical Research</i> , 2011, 28, 553-562.	3.5	51
148	siRNA Delivery with Lipid-based Systems: Promises and Pitfalls. <i>Current Topics in Medicinal Chemistry</i> , 2012, 12, 97-107.	2.1	51
149	Recent advances and potential applications of modulated differential scanning calorimetry (mDSC) in drug development. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 87, 164-173.	4.0	51
150	The significance of the amorphous potential energy landscape for dictating glassy dynamics and driving solid-state crystallisation. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 30039-30047.	2.8	51
151	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
152	Quality by design approach in the optimization of the spray-drying process. <i>Pharmaceutical Development and Technology</i> , 2012, 17, 389-397.	2.4	50
153	Solvent-Mediated Solid Phase Transformations of carbamazepine: Effects of Simulated Intestinal Fluid and Fasted State Simulated Intestinal Fluid. <i>Journal of Pharmaceutical Sciences</i> , 2009, 98, 985-996.	3.3	49
154	Particle formation and characteristics of Celecoxib-loaded poly(lactic-co-glycolic acid) microparticles prepared in different solvents using electrospraying. <i>Polymer</i> , 2012, 53, 3220-3229.	3.8	49
155	Strategic funding priorities in the pharmaceutical sciences allied to Quality by Design (QbD) and Process Analytical Technology (PAT). <i>European Journal of Pharmaceutical Sciences</i> , 2012, 47, 402-405.	4.0	49
156	The Role of Glass Transition Temperatures in Coamorphous Drug-Amino Acid Formulations. <i>Molecular Pharmaceutics</i> , 2018, 15, 4247-4256.	4.6	49
157	Characterization of polymorphic solid-state changes using variable temperature X-ray powder diffraction. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 39, 27-32.	2.8	48
158	Solid-State Transition Mechanism in Carbamazepine Polymorphs by Time-Resolved Terahertz Spectroscopy. <i>ChemPhysChem</i> , 2007, 8, 1924-1927.	2.1	48
159	In-line monitoring of solid-state transitions during fluidisation. <i>Chemical Engineering Science</i> , 2007, 62, 408-415.	3.8	48
160	Comparison of two DSC-based methods to predict drug-polymer solubility. <i>International Journal of Pharmaceutics</i> , 2018, 540, 98-105.	5.2	48
161	Tablet surface characterisation by various imaging techniques. <i>International Journal of Pharmaceutics</i> , 2003, 254, 281-286.	5.2	47
162	Exploring the Solid-Form Landscape of Pharmaceutical Hydrates: Transformation Pathways of the Sodium Naproxen Anhydrate-Hydrate System. <i>Pharmaceutical Research</i> , 2013, 30, 280-289.	3.5	47

#	ARTICLE	IF	CITATIONS
163	Commentary: Towards Physico-Relevant Dissolution Testing: The Importance of Solid-State Analysis in Dissolution. <i>Dissolution Technologies</i> , 2009, 16, 47-54.	0.6	47
164	New Perspectives for Visual Characterization of Pharmaceutical Solids. <i>Journal of Pharmaceutical Sciences</i> , 2004, 93, 165-176.	3.3	46
165	In Situ Lipolysis and Synchrotron Small-Angle X-ray Scattering for the Direct Determination of the Precipitation and Solid-State Form of a Poorly Water-Soluble Drug During Digestion of a Lipid-Based Formulation. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 2631-2639.	3.3	46
166	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
167	An insight into water of crystallization during processing using vibrational spectroscopy. <i>Journal of Pharmaceutical Sciences</i> , 2009, 98, 3903-3932.	3.3	45
168	Monitoring lidocaine single-crystal dissolution by ultraviolet imaging. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 3405-3410.	3.3	45
169	Behaviour of HPMC compacts investigated using UV-imaging. <i>International Journal of Pharmaceutics</i> , 2012, 427, 345-353.	5.2	45
170	Terahertz pulsed imaging as an advanced characterisation tool for film coatings – A review. <i>International Journal of Pharmaceutics</i> , 2013, 457, 510-520.	5.2	45
171	Use of low-frequency Raman spectroscopy and chemometrics for the quantification of crystallinity in amorphous griseofulvin tablets. <i>Vibrational Spectroscopy</i> , 2015, 77, 10-16.	2.2	45
172	Near-infrared chemical imaging (NIR-CI) as a process monitoring solution for a production line of roll compaction and tableting. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 93, 293-302.	4.3	45
173	Investigations on the effect of different cooling rates on the stability of amorphous indomethacin. <i>European Journal of Pharmaceutical Sciences</i> , 2011, 44, 341-350.	4.0	44
174	Engineering of an Inhalable DDA/TDB Liposomal Adjuvant: A Quality-by-Design Approach Towards Optimization of the Spray Drying Process. <i>Pharmaceutical Research</i> , 2013, 30, 2772-2784.	3.5	44
175	Downstream Processability of Crystal Habit-Modified Active Pharmaceutical Ingredient. <i>Organic Process Research and Development</i> , 2017, 21, 571-577.	2.7	44
176	Integration of personalized drug delivery systems into digital health. <i>Advanced Drug Delivery Reviews</i> , 2021, 176, 113857.	13.7	44
177	Static electrification of powders during spray drying. <i>Journal of Electrostatics</i> , 2004, 62, 63-72.	1.9	43
178	Hyphenated spectroscopy as a polymorph screening tool. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007, 44, 477-483.	2.8	43
179	Thermotropic liquid crystalline drugs. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 57, 807-816.	2.4	43
180	Protein Antigen Adsorption to the DDA/TDB Liposomal Adjuvant: Effect on Protein Structure, Stability, and Liposome Physicochemical Characteristics. <i>Pharmaceutical Research</i> , 2013, 30, 140-155.	3.5	43

#	ARTICLE	IF	CITATIONS
181	Development and characterization of aqueous amylose-rich maize starch dispersion for film formation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2003, 56, 215-221.	4.3	42
182	Multivariate data analysis as a fast tool in evaluation of solid state phenomena. <i>Journal of Pharmaceutical Sciences</i> , 2006, 95, 906-916.	3.3	42
183	Monitoring the Film Coating Unit Operation and Predicting Drug Dissolution Using Terahertz Pulsed Imaging. <i>Journal of Pharmaceutical Sciences</i> , 2009, 98, 4866-4876.	3.3	42
184	Characterisation of blends of paracetamol and citric acid. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 59, 373-381.	2.4	42
185	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
186	Electrostatic measurements on a miniaturized fluidized bed. <i>Journal of Electrostatics</i> , 2003, 57, 91-106.	1.9	41
187	One-Step Production of Protein-Loaded PLGA Microparticles via Spray Drying Using 3-Fluid Nozzle. <i>Pharmaceutical Research</i> , 2014, 31, 1967-1977.	3.5	41
188	Inhalable co-amorphous budesonide-arginine dry powders prepared by spray drying. <i>International Journal of Pharmaceutics</i> , 2019, 565, 1-8.	5.2	41
189	Assessment of crystalline disorder in cryo-milled samples of indomethacin using atomic pair-wise distribution functions. <i>International Journal of Pharmaceutics</i> , 2011, 417, 112-119.	5.2	40
190	The influence of lysozyme on mannitol polymorphism in freeze-dried and spray-dried formulations depends on the selection of the drying process. <i>International Journal of Pharmaceutics</i> , 2013, 447, 224-230.	5.2	40
191	Improved insulin loading in poly(lactic-co-glycolic) acid (PLGA) nanoparticles upon self-assembly with lipids. <i>International Journal of Pharmaceutics</i> , 2015, 482, 84-91.	5.2	40
192	Inhalable siRNA-loaded nano-embedded microparticles engineered using microfluidics and spray drying. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 120, 9-21.	4.3	40
193	Aspartame as a co-former in co-amorphous systems. <i>International Journal of Pharmaceutics</i> , 2018, 549, 380-387.	5.2	40
194	Evaluation of ring shear testing as a characterization method for powder flow in small-scale powder processing equipment. <i>International Journal of Pharmaceutics</i> , 2014, 475, 315-323.	5.2	39
195	Visualization and prediction of porosity in roller compacted ribbons with near-infrared chemical imaging (NIR-CI). <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 109, 11-17.	2.8	39
196	Glass Forming Ability of Amorphous Drugs Investigated by Continuous Cooling and Isothermal Transformation. <i>Molecular Pharmaceutics</i> , 2016, 13, 3318-3325.	4.6	39
197	The Effect of Digestion and Drug Load on Halofantrine Absorption from Self-nanoemulsifying Drug Delivery System (SNEDDS). <i>AAPS Journal</i> , 2016, 18, 180-186.	4.4	39
198	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

#	ARTICLE	IF	CITATIONS
199	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
200	A theoretical and spectroscopic study of carbamazepine polymorphs. <i>Journal of Raman Spectroscopy</i> , 2004, 35, 401-408.	2.5	38
201	Crystal Morphology Engineering of Pharmaceutical Solids: Tableting Performance Enhancement. <i>AAPS PharmSciTech</i> , 2009, 10, 113-119.	3.3	38
202	Quantification of Process Induced Disorder in Milled Samples Using Different Analytical Techniques. <i>Pharmaceutics</i> , 2010, 2, 30-49.	4.5	38
203	Effect of different preparation methods on the dissolution behaviour of amorphous indomethacin. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012, 80, 459-464.	4.3	38
204	Dissolution study of nanocrystal powders of a poorly soluble drug by UV imaging and channel flow methods. <i>European Journal of Pharmaceutical Sciences</i> , 2013, 50, 511-519.	4.0	38
205	Designing CAF-adjuvanted dry powder vaccines: Spray drying preserves the adjuvant activity of CAF01. <i>Journal of Controlled Release</i> , 2013, 167, 256-264.	9.9	38
206	Towards Better Process Understanding: Chemometrics and Multivariate Measurements in Manufacturing of Solid Dosage Forms. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 1385-1403.	3.3	38
207	Simultaneous UV Imaging and Raman Spectroscopy for the Measurement of Solvent-Mediated Phase Transformations During Dissolution Testing. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 1149-1156.	3.3	38
208	Interlaboratory Validation of Small-Scale Solubility and Dissolution Measurements of Poorly Water-Soluble Drugs. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 2864-2872.	3.3	38
209	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
210	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
211	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
212	Application of Spray-drying and Electrospinning/Electrospinning for Poorly Watersoluble Drugs: A Particle Engineering Approach. <i>Current Pharmaceutical Design</i> , 2014, 20, 325-348.	1.9	38
213	Comparison of torque measurements and near-infrared spectroscopy in characterization of a wet granulation process. <i>Journal of Pharmaceutical Sciences</i> , 2004, 93, 2232-2243.	3.3	37
214	Insight into Thermally Induced Phase Transformations of Erythromycin A Dihydrate. <i>Crystal Growth and Design</i> , 2006, 6, 369-374.	3.0	37
215	Characterization of Wet Massing Behavior of Silicified Microcrystalline Cellulose and β -Lactose Monohydrate Using Near-Infrared Spectroscopy. <i>Pharmaceutical Development and Technology</i> , 2001, 6, 1-9.	2.4	36
216	Pellet manufacturing by extrusion-spheronization using process analytical technology. <i>AAPS PharmSciTech</i> , 2005, 6, E174-E183.	3.3	36

#	ARTICLE	IF	CITATIONS
217	Î±,Î±-trehalose 6,6-dibehenate in non-phospholipid-based liposomes enables direct interaction with trehalose, offering stability during freeze-drying. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 1365-1373.	2.6	36
218	Effects of Polymer Additives on the Crystallization of Hydrates: A Molecular-Level Modulation. <i>Molecular Pharmaceutics</i> , 2009, 6, 202-210.	4.6	36
219	Building the quality into pellet manufacturing environment – Feasibility study and validation of an in-line quantitative near infrared (NIR) method. <i>Talanta</i> , 2010, 83, 305-311.	5.5	36
220	Characterization of Amorphous and Co-Amorphous Simvastatin Formulations Prepared by Spray Drying. <i>Molecules</i> , 2015, 20, 21532-21548.	3.8	36
221	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
222	Dissolution testing of amorphous solid dispersions. <i>International Journal of Pharmaceutics</i> , 2013, 444, 40-46.	5.2	35
223	Oscillatory Shear Rheology in Examining the Drug-Polymer Interactions Relevant in Hot Melt Extrusion. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 160-167.	3.3	35
224	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
225	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
226	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
227	Factors affecting incorporation of drug into solid solution with HPMCP during solvent change co-precipitation. <i>International Journal of Pharmaceutics</i> , 2002, 245, 99-108.	5.2	34
228	DRIFT-IR for quantitative characterization of polymorphic composition of sulfathiazole. <i>Analytica Chimica Acta</i> , 2005, 544, 108-117.	5.4	34
229	Characterization of spray dried bioadhesive metformin microparticles for oromucosal administration. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 85, 682-688.	4.3	34
230	Preparation and recrystallization behavior of spray-dried co-amorphous naproxen-indomethacin. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016, 104, 72-81.	4.3	34
231	Disintegration of nano-embedded microparticles after deposition on mucus: A mechanistic study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 139, 219-227.	5.0	34
232	Swelling of mucoadhesive electrospun chitosan/polyethylene oxide nanofibers facilitates adhesion to the sublingual mucosa. <i>Carbohydrate Polymers</i> , 2020, 242, 116428.	10.2	34
233	Nanoembedded Microparticles for Stabilization and Delivery of Drug-Loaded Nanoparticles. <i>Current Pharmaceutical Design</i> , 2015, 21, 5829-5844.	1.9	34
234	Investigating Dehydration from Compacts Using Terahertz Pulsed, Raman, and Near-Infrared Spectroscopy. <i>Applied Spectroscopy</i> , 2007, 61, 1265-1274.	2.2	33

#	ARTICLE	IF	CITATIONS
235	Towards Effective Solid Form Screening. <i>Journal of Pharmaceutical Sciences</i> , 2010, 99, 3711-3718.	3.3	33
236	Integrated Approach to Study the Dehydration Kinetics of Nitrofurantoin Monohydrate. <i>Journal of Pharmaceutical Sciences</i> , 2010, 99, 3966-3976.	3.3	33
237	Social aspects in additive manufacturing of pharmaceutical products. <i>Expert Opinion on Drug Delivery</i> , 2017, 14, 927-936.	5.0	33
238	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
239	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
240	Amino acids as stabilizers for spray-dried simvastatin powder for inhalation. <i>International Journal of Pharmaceutics</i> , 2019, 572, 118724.	5.2	33
241	Edible solid foams as porous substrates for inkjet-printable pharmaceuticals. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 136, 38-47.	4.3	33
242	Data-enriched edible pharmaceuticals (DEEP) of medical cannabis by inkjet printing. <i>International Journal of Pharmaceutics</i> , 2020, 589, 119866.	5.2	33
243	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
244	Towards a robust water content determination of freeze-dried samples by near-infrared spectroscopy. <i>Analytica Chimica Acta</i> , 2010, 676, 34-40.	5.4	32
245	Disproportionation of the calcium salt of atorvastatin in the presence of acidic excipients. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012, 82, 410-416.	4.3	32
246	Insight into the solubility and dissolution behavior of piroxicam anhydrate and monohydrate forms. <i>International Journal of Pharmaceutics</i> , 2012, 431, 111-119.	5.2	32
247	Hyaluronic Acid-Based Nanogels Produced by Microfluidics-Facilitated Self-Assembly Improves the Safety Profile of the Cationic Host Defense Peptide Novicidin. <i>Pharmaceutical Research</i> , 2015, 32, 2727-35.	3.5	32
248	Influence of the cooling rate and the blend ratio on the physical stability of co-amorphous naproxen/indomethacin. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016, 109, 140-148.	4.3	32
249	Determination of amorphous content in the pharmaceutical process environment. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 59, 161-170.	2.4	31
250	Investigating dissolution performance critical areas on coated tablets: A case study using terahertz pulsed imaging. <i>Journal of Pharmaceutical Sciences</i> , 2010, 99, 392-402.	3.3	31
251	A New Approach to Dissolution Testing by UV Imaging and Finite Element Simulations. <i>Pharmaceutical Research</i> , 2013, 30, 1328-1337.	3.5	31
252	Analytical aspects of printed oral dosage forms. <i>International Journal of Pharmaceutics</i> , 2018, 553, 97-108.	5.2	31

#	ARTICLE	IF	CITATIONS
253	Visualization of fluid-bed granulation with self-organizing maps. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2001, 24, 343-352.	2.8	30
254	Role of excipients in the quantification of water in lyophilised mixtures using NIR spectroscopy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2009, 49, 901-907.	2.8	30
255	Complementing High-Throughput X-ray Powder Diffraction Data With Quantum [®] Chemical Calculations: Application to Piroxicam Form III. <i>Journal of Pharmaceutical Sciences</i> , 2012, 101, 4214-4219.	3.3	30
256	Evaluating the effect of coating equipment on tablet film quality using terahertz pulsed imaging. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 85, 1095-1102.	4.3	30
257	Glass solution formation in water - In situ amorphization of naproxen and ibuprofen with Eudragit [®] E PO. <i>Journal of Drug Delivery Science and Technology</i> , 2016, 34, 32-40.	3.0	30
258	Probing Pharmaceutical Mixtures during Milling: The Potency of Low-Frequency Raman Spectroscopy in Identifying Disorder. <i>Molecular Pharmaceutics</i> , 2017, 14, 4675-4684.	4.6	30
259	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
260	Dipeptides as co-formers in co-amorphous systems. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 134, 68-76.	4.3	30
261	Process analysis of fluidized bed granulation. <i>AAPS PharmSciTech</i> , 2001, 2, 13-20.	3.3	29
262	Dehydration Studies Using a Novel Multichamber Microscale Fluid Bed Dryer with In-Line Near-Infrared Measurement. <i>Journal of Pharmaceutical Sciences</i> , 2003, 92, 2074-2081.	3.3	29
263	Solid [®] state properties and relationship between anhydrate and monohydrate of baclofen. <i>Journal of Pharmaceutical Sciences</i> , 2007, 96, 2399-2408.	3.3	29
264	pH-triggered drug release from biodegradable microwells for oral drug delivery. <i>Biomedical Microdevices</i> , 2015, 17, 9958.	2.8	29
265	Process optimization of dry granulation based tableting line: Extracting physical material characteristics from granules, ribbons and tablets using near-IR (NIR) spectroscopic measurement. <i>Powder Technology</i> , 2016, 300, 120-125.	4.2	29
266	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
267	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
268	Applying Thermodynamic and Kinetic Parameters to Predict the Physical Stability of Two Differently Prepared Amorphous Forms of Simvastatin. <i>Current Drug Delivery</i> , 2009, 6, 374-382.	1.6	29
269	Biorelevant characterisation of amorphous furosemide salt exhibits conversion to a furosemide hydrate during dissolution. <i>International Journal of Pharmaceutics</i> , 2013, 457, 14-24.	5.2	28
270	Near-infrared chemical imaging (NIR-CI) of 3D printed pharmaceuticals. <i>International Journal of Pharmaceutics</i> , 2016, 515, 324-330.	5.2	28

#	ARTICLE	IF	CITATIONS
271	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
272	Determination of the Optimal Molar Ratio in Amino Acid-Based Coamorphous Systems. <i>Molecular Pharmaceutics</i> , 2020, 17, 1335-1342.	4.6	28
273	Real-time dissolution behavior of furosemide in biorelevant media as determined by UV imaging. <i>Pharmaceutical Development and Technology</i> , 2013, 18, 1407-1416.	2.4	27
274	Monitoring of multiple solid-state transformations at tablet surfaces using multi-series near-infrared hyperspectral imaging and multivariate curve resolution. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 93, 224-230.	4.3	27
275	Melt Extrusion of High-Dose Co-Amorphous Drug-Drug Combinations. <i>Pharmaceutical Research</i> , 2017, 34, 2689-2697.	3.5	27
276	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
277	Next generation fluidized bed granulator automation. <i>AAPS PharmSciTech</i> , 2000, 1, 26-36.	3.3	26
278	High-shear granulation as a manufacturing method for cocrystal granules. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 85, 1019-1030.	4.3	26
279	Structural basis for the transformation pathways of the sodium naproxen anhydrate-hydrate system. <i>IUCr</i> , 2014, 1, 328-337.	2.2	26
280	Leucine improves the aerosol performance of dry powder inhaler formulations of siRNA-loaded nanoparticles. <i>International Journal of Pharmaceutics</i> , 2022, 621, 121758.	5.2	26
281	Use of roughness maps in visualisation of surfaces. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2005, 59, 351-358.	4.3	25
282	Analysis of matrix dosage forms during dissolution testing using raman microscopy. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 4452-4459.	3.3	25
283	Structural Elucidation of Rapid Solution-Mediated Phase Transitions in Pharmaceutical Solids Using <i>In Situ</i> Synchrotron SAXS/WAXS. <i>Molecular Pharmaceutics</i> , 2012, 9, 2787-2791.	4.6	25
284	Thermal degradation of amorphous glibenclamide. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012, 80, 203-208.	4.3	25
285	Polymorphic form of piroxicam influences the performance of amorphous material prepared by ball-milling. <i>International Journal of Pharmaceutics</i> , 2012, 429, 69-77.	5.2	25
286	Unravelling the Relationship between Degree of Disorder and the Dissolution Behavior of Milled Glibenclamide. <i>Molecular Pharmaceutics</i> , 2014, 11, 234-242.	4.6	25
287	Tracking Dehydration Mechanisms in Crystalline Hydrates with Molecular Dynamics Simulations. <i>Crystal Growth and Design</i> , 2017, 17, 5017-5022.	3.0	25
288	Colorimetry as Quality Control Tool for Individual Inkjet-Printed Pediatric Formulations. <i>AAPS PharmSciTech</i> , 2017, 18, 293-302.	3.3	25

#	ARTICLE	IF	CITATIONS
289	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
290	Visualization of particle size and shape distributions using self-organizing maps. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2002, 62, 47-60.	3.5	24
291	Physical stability and solubility of the thermotropic mesophase of fenoprofen calcium as pure drug and in a tablet formulation. <i>International Journal of Pharmaceutics</i> , 2002, 247, 147-157.	5.2	24
292	X-ray powder diffractometry in combination with principal component analysis – A tool for monitoring solid state changes. <i>European Journal of Pharmaceutical Sciences</i> , 2011, 43, 278-289.	4.0	24
293	Influence of Temperature on Solvent-Mediated Anhydrate-to-Hydrate Transformation Kinetics. <i>Pharmaceutical Research</i> , 2011, 28, 364-373.	3.5	24
294	Impact of PLGA molecular behavior in the feed solution on the drug release kinetics of spray dried microparticles. <i>Polymer</i> , 2013, 54, 5920-5927.	3.8	24
295	Modulating Protein Release Profiles by Incorporating Hyaluronic Acid into PLGA Microparticles Via a Spray Dryer Equipped with a 3-Fluid Nozzle. <i>Pharmaceutical Research</i> , 2014, 31, 2940-2951.	3.5	24
296	Nanoparticles for mucosal vaccine delivery. , 2020, , 603-646.		24
297	Automated digital design for 3D-printed individualized therapies. <i>International Journal of Pharmaceutics</i> , 2021, 599, 120437.	5.2	24
298	Physical stability of a microcrystalline β -sitosterol suspension in oil. <i>European Journal of Pharmaceutical Sciences</i> , 2003, 19, 173-179.	4.0	23
299	Dynamic PCA-based MSPC charts for nucleation prediction in batch cooling crystallization processes. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2006, 84, 126-133.	3.5	23
300	Phase transformations of erythromycin A dihydrate during pelletisation and drying. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2007, 67, 246-252.	4.3	23
301	Characterizing an Amorphous System Exhibiting Trace Crystallinity: A Case Study with Saquinavir. <i>Crystal Growth and Design</i> , 2008, 8, 119-127.	3.0	23
302	Solid Forms of Amlodipine Besylate: Physicochemical, Structural, and Thermodynamic Characterization. <i>Crystal Growth and Design</i> , 2010, 10, 5279-5290.	3.0	23
303	Chromatography-Crystallization Hybrid Process for Artemisinin Purification from <i>Artemisia annua</i> . <i>Chemical Engineering and Technology</i> , 2010, 33, 791-796.	1.5	23
304	Tailored beads made of dissolved cellulose – Investigation of their drug release properties. <i>International Journal of Pharmaceutics</i> , 2013, 456, 417-423.	5.2	23
305	Quantification of Fragmentation of Pharmaceutical Materials After Tableting. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 1246-1253.	3.3	23
306	Role of excipients in hydrate formation kinetics of theophylline in wet masses studied by near-infrared spectroscopy. <i>European Journal of Pharmaceutical Sciences</i> , 2004, 23, 99-104.	4.0	22

#	ARTICLE	IF	CITATIONS
307	Mechanistic insight into the evaporative crystallization of two polymorphs of nitrofurantoin monohydrate. <i>Journal of Crystal Growth</i> , 2009, 311, 2580-2589.	1.5	22
308	A case study of real-time monitoring of solid-state phase transformations in acoustically levitated particles using near infrared and Raman spectroscopy. <i>European Journal of Pharmaceutical Sciences</i> , 2013, 48, 97-103.	4.0	22
309	Theoretical Considerations in Developing Amorphous Solid Dispersions. <i>Advances in Delivery Science and Technology</i> , 2014, , 35-90.	0.4	22
310	Simple measurements for prediction of drug release from polymer matrices – Solubility parameters and intrinsic viscosity. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 92, 1-7.	4.3	22
311	Anhydrate to hydrate solid-state transformations of carbamazepine and nitrofurantoin in biorelevant media studied in situ using time-resolved synchrotron X-ray diffraction. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016, 100, 119-127.	4.3	22
312	The influence of co-formers on the dissolution rates of co-amorphous sulfamerazine/excipient systems. <i>International Journal of Pharmaceutics</i> , 2016, 504, 20-26.	5.2	22
313	Nanomechanical Infrared Spectroscopy with Vibrating Filters for Pharmaceutical Analysis. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3901-3905.	13.8	22
314	Investigation of the effects of particle size on fragmentation during tableting. <i>International Journal of Pharmaceutics</i> , 2020, 576, 118985.	5.2	22
315	Solvent-mediated amorphous-to-crystalline transformation of nitrendipine in amorphous particle suspensions containing polymers. <i>European Journal of Pharmaceutical Sciences</i> , 2012, 46, 446-454.	4.0	21
316	Lipid Shell-Enveloped Polymeric Nanoparticles with High Integrity of Lipid Shells Improve Mucus Penetration and Interaction with Cystic Fibrosis-Related Bacterial Biofilms. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 10678-10687.	8.0	21
317	Formulating Inhalable Dry Powders Using Two-Fluid and Three-Fluid Nozzle Spray Drying. <i>Pharmaceutical Research</i> , 2018, 35, 247.	3.5	21
318	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
319	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
320	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
321	Image-Based Artificial Intelligence Methods for Product Control of Tablet Coating Quality. <i>Pharmaceutics</i> , 2020, 12, 877.	4.5	21
322	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
323	Near infrared reflectance spectroscopy for the fast identification of PVC-based films. <i>Analyst</i> , The, 2001, 126, 1122-1128.	3.5	20
324	Phospholipase A ₂ -Sensitive Liposomes for Delivery of Small Interfering RNA (siRNA). <i>Journal of Liposome Research</i> , 2007, 17, 191-196.	3.3	20

#	ARTICLE	IF	CITATIONS
325	Identifying sources of batch to batch variation in processability. Powder Technology, 2008, 183, 213-219.	4.2	20
326	Hydroxypropyl Methylcellulose-Controlled Crystallization of Erythromycin A Dihydrate Crystals with Modified Morphology. Crystal Growth and Design, 2008, 8, 3526-3531.	3.0	20
327	Insight into Crystallization Mechanisms of Polymorphic Hydrate Systems. Chemical Engineering and Technology, 2010, 33, 833-838.	1.5	20
328	Rapid Solid-State Analysis of Freeze-Dried Protein Formulations Using NIR and Raman Spectroscopies. Journal of Pharmaceutical Sciences, 2011, 100, 2871-2875.	3.3	20
329	A novel image analysis methodology for online monitoring of nucleation and crystal growth during solid state phase transformations. International Journal of Pharmaceutics, 2012, 433, 60-70.	5.2	20
330	Fuzzy Logic-Based Expert System for Evaluating Cake Quality of Freeze-Dried Formulations. Journal of Pharmaceutical Sciences, 2013, 102, 4364-4374.	3.3	20
331	Investigation of the phase separation of PNIPAM using infrared spectroscopy together with multivariate data analysis. Polymer, 2013, 54, 6947-6953.	3.8	20
332	The surface charge of liposomal adjuvants is decisive for their interactions with the Calu-3 and A549 airway epithelial cell culture models. European Journal of Pharmaceutics and Biopharmaceutics, 2014, 87, 480-488.	4.3	20
333	Differential scanning calorimetry predicts the critical quality attributes of amorphous glibenclamide. European Journal of Pharmaceutical Sciences, 2015, 80, 74-81.	4.0	20
334	Effect of ethanol as a co-solvent on the aerosol performance and stability of spray-dried lysozyme. International Journal of Pharmaceutics, 2016, 513, 175-182.	5.2	20
335	Multispectral UV imaging for fast and non-destructive quality control of chemical and physical tablet attributes. European Journal of Pharmaceutical Sciences, 2016, 90, 85-95.	4.0	20
336	Influence of preparation pathway on the glass forming ability. International Journal of Pharmaceutics, 2017, 521, 232-238.	5.2	20
337	Non-destructive quantification of fragmentation within tablets after compression from scattering analysis of terahertz transmission measurements. International Journal of Pharmaceutics, 2020, 588, 119769.	5.2	20
338	Phase Transformation of Erythromycin A Dihydrate During Fluid Bed Drying. Journal of Pharmaceutical Sciences, 2008, 97, 4020-4029.	3.3	19
339	NIR transmission spectroscopy for rapid determination of lipid and lyoprotector content in liposomal vaccine adjuvant system CAF01. European Journal of Pharmaceutics and Biopharmaceutics, 2008, 70, 914-920.	4.3	19
340	Atomic Pairwise Distribution Function Analysis of the Amorphous Phase Prepared by Different Manufacturing Routes. Pharmaceutics, 2012, 4, 93-103.	4.5	19
341	Real-time in vitro dissolution of 5-aminosalicylic acid from single ethyl cellulose coated extrudates studied by UV imaging. Journal of Pharmaceutical and Biomedical Analysis, 2013, 83, 49-56.	2.8	19
342	Crystallization of Piroxicam Solid Forms and the Effects of Additives. Chemical Engineering and Technology, 2014, 37, 1297-1304.	1.5	19

#	ARTICLE	IF	CITATIONS
343	Delivery of siRNA Complexed with Palmitoylated Î±-Peptide/Î²-Peptoid Cell-Penetrating Peptidomimetics: Membrane Interaction and Structural Characterization of a Lipid-Based Nanocarrier System. <i>Molecular Pharmaceutics</i> , 2016, 13, 1739-1749.	4.6	19
344	Microfluidics-based self-assembly of peptide-loaded microgels: Effect of three dimensional (3D) printed micromixer design. <i>Journal of Colloid and Interface Science</i> , 2019, 538, 559-568.	9.4	19
345	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
346	Process analysis of fluidized bed granulation. <i>AAPS PharmSciTech</i> , 2001, 2, 13-20.	3.3	19
347	Visualization of a Pharmaceutical Unit Operation: Wet Granulation. <i>Analytical Chemistry</i> , 2004, 76, 5331-5338.	6.5	18
348	Simultaneous measurement of liquid-phase and solid-phase transformation kinetics in rotating disc and channel flow cell dissolution devices. <i>International Journal of Pharmaceutics</i> , 2008, 363, 66-72.	5.2	18
349	Classification of lyophilised mixtures using multivariate analysis of NIR spectra. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010, 74, 406-412.	4.3	18
350	Phase Transformations of Amlodipine Besylate Solid Forms. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 2896-2910.	3.3	18
351	Polymer-Mediated Anti-solvent Crystallization of Nitrendipine: Monodispersed Spherical Crystals and Growth Mechanism. <i>Pharmaceutical Research</i> , 2012, 29, 158-169.	3.5	18
352	Preparation of Nanoscale Pulmonary Drug Delivery Formulations by Spray Drying. <i>Advances in Experimental Medicine and Biology</i> , 2014, 811, 183-206.	1.6	18
353	An experimental evaluation of powder flow predictions in small-scale process equipment based on Jenike's hopper design methodology. <i>Powder Technology</i> , 2017, 321, 523-532.	4.2	18
354	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
355	Comparison of co-former performance in co-amorphous formulations: Single amino acids, amino acid physical mixtures, amino acid salts and dipeptides as co-formers. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 156, 105582.	4.0	18
356	Inhaled RNA Therapeutics for Obstructive Airway Diseases: Recent Advances and Future Prospects. <i>Pharmaceutics</i> , 2021, 13, 177.	4.5	18
357	Rapid Insight into Heating-Induced Phase Transformations in the Solid State of the Calcium Salt of Atorvastatin Using Multivariate Data Analysis. <i>Pharmaceutical Research</i> , 2013, 30, 826-835.	3.5	17
358	Analytical method development for powder characterization: Visualization of the critical drug loading affecting the processability of a formulation for direct compression. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 128, 462-468.	2.8	17
359	Unveiling multiple solid-state transitions in pharmaceutical solid dosage forms using multi-series hyperspectral imaging and different curve resolution approaches. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2017, 161, 136-146.	3.5	17
360	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

#	ARTICLE	IF	CITATIONS
361	Process Optimization and Upscaling of Spray-Dried Drug-Amino acid Co-Amorphous Formulations. <i>Pharmaceutics</i> , 2019, 11, 24.	4.5	17
362	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
363	Predictive identification of co-formers in co-amorphous systems. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 157, 105636.	4.0	17
364	The relevance of granule fragmentation on reduced tableability of granules from ductile or brittle materials produced by roll compaction/dry granulation. <i>International Journal of Pharmaceutics</i> , 2021, 592, 120035.	5.2	17
365	Chemical imaging and solid state analysis at compact surfaces using UV imaging. <i>International Journal of Pharmaceutics</i> , 2014, 477, 527-535.	5.2	16
366	Surface coating of siRNA-peptidomimetic nano-self-assemblies with anionic lipid bilayers: enhanced gene silencing and reduced adverse effects in vitro. <i>Nanoscale</i> , 2015, 7, 19687-19698.	5.6	16
367	Ribbon density and milling parameters that determine fines fraction in a dry granulation. <i>Powder Technology</i> , 2018, 338, 162-167.	4.2	16
368	Determining short-lived solid forms during phase transformations using molecular dynamics. <i>CrystEngComm</i> , 2019, 21, 4020-4024.	2.6	16
369	Design of Inhalable Solid Dosage Forms of Budesonide and Theophylline for Pulmonary Combination Therapy. <i>AAPS PharmSciTech</i> , 2019, 20, 137.	3.3	16
370	Molecular structure and impact of amorphization strategies on intrinsic dissolution of spray dried indomethacin. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 129, 1-9.	4.0	16
371	Modular design principle based on compartmental drug delivery systems. <i>Advanced Drug Delivery Reviews</i> , 2021, 178, 113921.	13.7	16
372	The Characterization of Fluidization Behavior Using a Novel Multichamber Microscale Fluid Bed. <i>Journal of Pharmaceutical Sciences</i> , 2004, 93, 780-791.	3.3	15
373	Understanding processing-induced phase transformations in erythromycin-PEG 6000 solid dispersions. <i>Journal of Pharmaceutical Sciences</i> , 2006, 95, 1723-1732.	3.3	15
374	Solvent subset selection for polymorph screening. <i>Journal of Chemometrics</i> , 2008, 22, 621-631.	1.3	15
375	A high throughput platform for understanding the influence of excipients on physical and chemical stability. <i>International Journal of Pharmaceutics</i> , 2013, 453, 285-292.	5.2	15
376	Strategic framework for education and training in Quality by Design (QbD) and process analytical technology (PAT). <i>European Journal of Pharmaceutical Sciences</i> , 2016, 90, 2-7.	4.0	15
377	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
378	Improving Powder Characteristics by Surface Modification Using Atomic Layer Deposition. <i>Organic Process Research and Development</i> , 2019, 23, 2362-2368.	2.7	15

#	ARTICLE	IF	CITATIONS
379	Stability of lysozyme incorporated into electrospun fibrous mats for wound healing. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 136, 240-249.	4.3	15
380	Increasing Process Understanding by Analyzing Complex Interactions in Experimental Data. <i>Journal of Pharmaceutical Sciences</i> , 2009, 98, 1852-1861.	3.3	14
381	Crystal Morphology Modification by the Addition of Tailor-Made Stereocontrolled Poly(<i>N</i> -isopropyl acrylamide). <i>Molecular Pharmaceutics</i> , 2012, 9, 1932-1941.	4.6	14
382	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
383	Computational Dehydration of Crystalline Hydrates Using Molecular Dynamics Simulations. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 348-355.	3.3	14
384	Imaging of dehydration in particulate matter using Raman line-focus microscopy. <i>Scientific Reports</i> , 2019, 9, 7525.	3.3	14
385	Role of Excipients on Solid-State Properties of Piroxicam During Processing. <i>Journal of Pharmaceutical Sciences</i> , 2012, 101, 1202-1211.	3.3	13
386	Investigation of Solid Phase Composition on Tablet Surfaces by Grazing Incidence X-ray Diffraction. <i>Pharmaceutical Research</i> , 2012, 29, 134-144.	3.5	13
387	Detecting phase separation of freeze-dried binary amorphous systems using pair-wise distribution function and multivariate data analysis. <i>International Journal of Pharmaceutics</i> , 2013, 454, 167-173.	5.2	13
388	Foreign matter identification from solid dosage forms. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 80, 116-125.	2.8	13
389	Stabilized Amorphous Solid Dispersions with Small Molecule Excipients. <i>Advances in Delivery Science and Technology</i> , 2014, , 613-636.	0.4	13
390	Near-Infrared Imaging for High-Throughput Screening of Moisture Induced Changes in Freeze-Dried Formulations. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 2839-2846.	3.3	13
391	Properties of the Sodium Naproxen-Lactose-Tetrahydrate Co-Crystal upon Processing and Storage. <i>Molecules</i> , 2016, 21, 509.	3.8	13
392	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
393	High-Throughput Fabrication of Nanocomplexes Using 3D-Printed Micromixers. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 835-842.	3.3	13
394	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
395	Physical changes of β -sitosterol crystals in oily suspensions during heating. <i>AAPS PharmSciTech</i> , 2005, 6, E413-E420.	3.3	12
396	Batch cooling crystallization and pressure filtration of sulphathiazole: the influence of solvent composition. <i>Biotechnology and Applied Biochemistry</i> , 2005, 41, 17.	3.1	12

#	ARTICLE	IF	CITATIONS
397	Visualizing Solvent Mediated Phase Transformation Behavior of Carbamazepine Polymorphs by Principal Component Analysis. <i>AAPS PharmSciTech</i> , 2008, 9, 390-394.	3.3	12
398	Building quality into a coating process. <i>Pharmaceutical Development and Technology</i> , 2010, 15, 35-45.	2.4	12
399	A Novel Hybrid Chromatography-Crystallization Process for the Isolation and Purification of a Natural Pharmaceutical Ingredient from a Medicinal Herb. <i>Organic Process Research and Development</i> , 2010, 14, 585-591.	2.7	12
400	Behaviour of stereoblock poly(N-isopropyl acrylamide) in acetone-water mixtures. <i>Polymer Bulletin</i> , 2011, 67, 677-692.	3.3	12
401	Image Analytical Approach for Needle-Shaped Crystal Counting and Length Estimation. <i>Crystal Growth and Design</i> , 2015, 15, 4876-4885.	3.0	12
402	The effect of HPMC and MC as pore formers on the rheology of the implant microenvironment and the drug release in vitro. <i>Carbohydrate Polymers</i> , 2017, 177, 433-442.	10.2	12
403	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
404	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
405	Future of microfluidics in research and in the market. , 2019, , 425-465.		12
406	Effect of particle size and deformation behaviour on water ingress into tablets. <i>International Journal of Pharmaceutics</i> , 2020, 587, 119645.	5.2	12
407	Monitoring the Isothermal Dehydration of Crystalline Hydrates Using Low-Frequency Raman Spectroscopy. <i>Molecular Pharmaceutics</i> , 2021, 18, 1264-1276.	4.6	12
408	Development of an automation system for a tablet coater. <i>AAPS PharmSciTech</i> , 2002, 3, 75-86.	3.3	11
409	Influence of the Solid Form of Siramesine Hydrochloride on its Behavior in Aqueous Environments. <i>Pharmaceutical Research</i> , 2009, 26, 846-854.	3.5	11
410	Interpreting the Disordered Crystal Structure of Sodium Naproxen Tetrahydrate. <i>Crystal Growth and Design</i> , 2013, 13, 3665-3671.	3.0	11
411	A slow cooling rate of indomethacin melt spatially confined in microcontainers increases the physical stability of the amorphous drug without influencing its biorelevant dissolution behaviour. <i>Drug Delivery and Translational Research</i> , 2014, 4, 268-274.	5.8	11
412	Raman Mapping of Mannitol/Lysozyme Particles Produced Via Spray Drying and Single Droplet Drying. <i>Pharmaceutical Research</i> , 2015, 32, 1993-2002.	3.5	11
413	Roll-to-plate fabrication of microfluidic devices with rheology-modified thiol-ene resins. <i>Journal of Micromechanics and Microengineering</i> , 2016, 26, 075014.	2.6	11
414	In silico product design of pharmaceuticals. <i>Asian Journal of Pharmaceutical Sciences</i> , 2016, 11, 492-499.	9.1	11

#	ARTICLE	IF	CITATIONS
415	Multispectral UV imaging for surface analysis of MUPS tablets with special focus on the pellet distribution. <i>International Journal of Pharmaceutics</i> , 2016, 515, 374-383.	5.2	11
416	Investigation of nanocarriers and excipients for preparation of nanoembedded microparticles. <i>International Journal of Pharmaceutics</i> , 2017, 526, 300-308.	5.2	11
417	Exploring the chemical space for freeze-drying excipients. <i>International Journal of Pharmaceutics</i> , 2019, 566, 254-263.	5.2	11
418	On-line rheological characterization of semi-solid formulations. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 128, 36-42.	4.0	11
419	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
420	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
421	Deliquescence Behavior of Deep Eutectic Solvents. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1601.	2.5	11
422	Current Advances and Future Trends in Characterizing Poorly Water-soluble Drugs Using Spectroscopic, Imaging and Data Analytical Techniques. <i>Current Pharmaceutical Design</i> , 2014, 20, 436-453.	1.9	11
423	Optimizing the crystal size and habit of β -sitosterol in suspension. <i>AAPS PharmSciTech</i> , 2003, 4, 116-123.	3.3	10
424	Structural Characterisation and Dehydration Behaviour of Siramesine Hydrochloride. <i>Journal of Pharmaceutical Sciences</i> , 2009, 98, 3596-3607.	3.3	10
425	Dehydration of Nitrofurantoin Monohydrate during Melt Extrusion. <i>Crystal Growth and Design</i> , 2017, 17, 3707-3715.	3.0	10
426	The effect of poly (lactic-co-glycolic) acid composition on the mechanical properties of electrospun fibrous mats. <i>International Journal of Pharmaceutics</i> , 2017, 529, 371-380.	5.2	10
427	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
428	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
429	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
430	Characterization of the bulk properties of pharmaceutical solids using nonlinear optics - a review. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 59, 241-250.	2.4	9
431	Crystallization of a polymorphic hydrate system. <i>Journal of Pharmaceutical Sciences</i> , 2010, 99, 753-763.	3.3	9
432	Well-plate freeze-drying: a high throughput platform for screening of physical properties of freeze-dried formulations. <i>Pharmaceutical Development and Technology</i> , 2015, 20, 65-73.	2.4	9

#	ARTICLE	IF	CITATIONS
433	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
434	Investigation of factors affecting the stability of lysozyme spray dried from ethanol-water solutions. <i>International Journal of Pharmaceutics</i> , 2017, 534, 263-271.	5.2	9
435	Development of a Video-Microscopic Tool To Evaluate the Precipitation Kinetics of Poorly Water Soluble Drugs: A Case Study with Tadalafil and HPMC. <i>Molecular Pharmaceutics</i> , 2017, 14, 4154-4160.	4.6	9
436	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
437	Evaluation of the effects of spray drying parameters for producing cubosome powder precursors. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 135, 44-48.	4.3	9
438	Hyperspectral imaging as a part of pharmaceutical product design. <i>Data Handling in Science and Technology</i> , 2020, 32, 567-581.	3.1	9
439	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
440	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
441	Transformation of nanoparticles into compacts: A study on PLGA and celecoxib nanoparticles. <i>International Journal of Pharmaceutics</i> , 2022, 611, 121278.	5.2	9
442	Process-induced phase transformations in a pharmaceutically relevant salt-free form system. <i>Chemical Engineering Science</i> , 2012, 77, 65-70.	3.8	8
443	Structures of cefradine dihydrate and cefaclor dihydrate from DFT-D calculations. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2013, 69, 1229-1233.	0.4	8
444	Designing Printable Medicinal Products: Solvent System and Carrier-Substrate Screening. <i>Chemical Engineering and Technology</i> , 2014, 37, 1291-1296.	1.5	8
445	Rapid Assessment of Tablet Film Coating Quality by Multispectral UV Imaging. <i>AAPS PharmSciTech</i> , 2016, 17, 958-967.	3.3	8
446	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
447	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
448	Single particles as resonators for thermomechanical analysis. <i>Nature Communications</i> , 2020, 11, 1235.	12.8	8
449	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
450	In Vitro and In Vivo Antibacterial Activity of Patchouli Alcohol from <i>Pogostemon cablin</i> . <i>Chinese Journal of Integrative Medicine</i> , 2021, 27, 125-130.	1.6	8

#	ARTICLE	IF	CITATIONS
451	Next generation fluidized bed granulator automation. AAPS PharmSciTech, 2000, 1, 26-36.	3.3	8
452	Data-Enriched Edible Pharmaceuticals (DEEP) with Bespoke Design, Dose and Drug Release. Pharmaceutics, 2021, 13, 1866.	4.5	8
453	Miniaturized Approach for Excipient Selection During the Development of Oral Solid Dosage Form. Journal of Pharmaceutical Sciences, 2014, 103, 900-908.	3.3	7
454	Detecting Blending End-Point Using Mean Squares Successive Difference Test and Near-Infrared Spectroscopy. Journal of Pharmaceutical Sciences, 2015, 104, 2541-2549.	3.3	7
455	Multivariate Quantification of the Solid State Phase Composition of Co-Amorphous Naproxen-Indomethacin. Molecules, 2015, 20, 19571-19587.	3.8	7
456	Potential of surface-eroding poly(ethylene carbonate) for drug delivery to macrophages. International Journal of Pharmaceutics, 2016, 511, 814-820.	5.2	7
457	Multispectral UV Imaging for Determination of the Tablet Coating Thickness. Journal of Pharmaceutical Sciences, 2017, 106, 1560-1569.	3.3	7
458	The Use of 3D Printed Molds to Cast Tablets with a Designed Disintegration Profile. AAPS PharmSciTech, 2019, 20, 127.	3.3	7
459	Screening of novel excipients for freeze-dried protein formulations. European Journal of Pharmaceutics and Biopharmaceutics, 2021, 160, 55-64.	4.3	7
460	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
461	Combined Effect of the Preparation Method and Compression on the Physical Stability and Dissolution Behavior of Melt-Quenched Amorphous Celecoxib. Molecular Pharmaceutics, 2021, 18, 1408-1418.	4.6	6
462	Colon targeting of fluticasone propionate inclusion complex: a novel approach in inflammatory bowel disease. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2013, 75, 175-184.	1.6	5
463	Process development for spray drying of sticky pharmaceuticals; case study of bioadhesive nicotine microparticles for compressed medicated chewing gum. International Journal of Pharmaceutics, 2013, 452, 434-437.	5.2	5
464	Fast-track to A Solid Dispersion Formulation Using Multi-way Analysis of Complex Interactions. Journal of Pharmaceutical Sciences, 2013, 102, 904-914.	3.3	5
465	Processing-induced salt formation of two oxicams in solid dosage forms affects dissolution behavior and chemical degradation. Powder Technology, 2014, 266, 175-182.	4.2	5
466	Using 3D Printing for Rapid Prototyping of Characterization Tools for Investigating Powder Blend Behavior. AAPS PharmSciTech, 2018, 19, 941-950.	3.3	5
467	Design of Gadoteridol-Loaded Cationic Liposomal Adjuvant CAF01 for MRI of Lung Deposition of Intrapulmonary Administered Particles. Molecular Pharmaceutics, 2019, 16, 4725-4737.	4.6	5
468	A material-saving and robust approach for obtaining accurate out-of-die powder compressibility. Powder Technology, 2020, 361, 903-909.	4.2	5

#	ARTICLE	IF	CITATIONS
469	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
470	Determination of Residence Time Distribution in a Continuous Powder Mixing Process With Supervised and Unsupervised Modeling of In-line Near Infrared (NIR) Spectroscopic Data. <i>Journal of Pharmaceutical Sciences</i> , 2021, 110, 1259-1269.	3.3	5
471	Elucidating the Dehydration Mechanism of Nitrofurantoin Monohydrate II Using Low-Frequency Raman Spectroscopy. <i>Crystal Growth and Design</i> , 2022, 22, 2733-2741.	3.0	5
472	Themed issue: Improve dissolution, solubility and bioavailability of poorly soluble drugs. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 62, 1517-1518.	2.4	4
473	The influence of thermal history on the physical behavior of poly(ethylene glycol) (PEG). <i>Pharmaceutical Development and Technology</i> , 2012, 17, 195-203.	2.4	4
474	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
475	Simultaneous automated image analysis and Raman spectroscopy of powders at an individual particle level. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 193, 113744.	2.8	4
476	(Co-)amorphization of enantiomers – Investigation of the amorphization process, the physical stability and the dissolution behavior. <i>International Journal of Pharmaceutics</i> , 2022, 616, 121552.	5.2	4
477	Low-Frequency Raman Spectroscopy as an Avenue to Determine the Transition Temperature of β^2 - and β^3 -Relaxation in Pharmaceutical Glasses. <i>Analytical Chemistry</i> , 2022, 94, 8241-8248.	6.5	4
478	Chronotherapy using Egalet® Technology. , 0, , 165-173.		3
479	Advanced characterisation techniques. <i>International Journal of Pharmaceutics</i> , 2011, 417, 1-2.	5.2	3
480	Perspective on Water of Crystallization Affecting the Functionality of Pharmaceuticals. <i>Food Biophysics</i> , 2011, 6, 250-258.	3.0	3
481	Excipients-Induced Salt-to-Free Base Phase Transformation. <i>Chemical Engineering and Technology</i> , 2013, 36, 1287-1291.	1.5	3
482	Evaluation of droplet size distributions using univariate and multivariate approaches. <i>Pharmaceutical Development and Technology</i> , 2013, 18, 926-934.	2.4	3
483	Applications of Small Angle X-ray Scattering in Pharmaceutical Science. <i>Advances in Delivery Science and Technology</i> , 2016, , 339-360.	0.4	3
484	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
485	Determining Thermal Conductivity of Small Molecule Amorphous Drugs with Modulated Differential Scanning Calorimetry and Vacuum Molding Sample Preparation. <i>Pharmaceutics</i> , 2019, 11, 670.	4.5	3
486	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

#	ARTICLE	IF	CITATIONS
487	Controlling desolvation through polymer-assisted grinding. CrystEngComm, 2022, 24, 2305-2313.	2.6	3
488	Inhalable Composite Microparticles Containing siRNA-Loaded Lipid-Polymer Hybrid Nanoparticles: Saccharides and Leucine Preserve Aerosol Performance and Long-Term Physical Stability. Frontiers in Drug Delivery, 0, 2, .	1.6	3
489	Multivariate Analysis Supporting Pharmaceutical Research. , 2018, , 175-184.		2
490	Printing and Additive Manufacturing. AAPS PharmSciTech, 2019, 20, 261.	3.3	2
491	Continuous Manufacturing of a Polymer Stabilized Emulsion Monitored with Process Analytical Technology. AAPS PharmSciTech, 2020, 21, 154.	3.3	2
492	Medication Tracking: Design and Fabrication of a Dry Powder Inhaler with Integrated Acoustic Element by 3D Printing. Pharmaceutical Research, 2020, 37, 38.	3.5	2
493	In situ nanoscale visualization of solvent effects on molecular crystal surfaces. CrystEngComm, 2021, 23, 2933-2937.	2.6	2
494	Rapid Prototyping of Miniaturized Powder Mixing Geometries. Journal of Pharmaceutical Sciences, 2021, 110, 2625-2628.	3.3	2
495	Effect of pH on the Surface Layer of Molecular Crystals at the Solid-Liquid Interface. Molecular Pharmaceutics, 2022, 19, 1598-1603.	4.6	2
496	A generalized image analytical algorithm for investigating tablet disintegration. International Journal of Pharmaceutics, 2022, 623, 121847.	5.2	2
497	Insight into the metastable form of theophylline monohydrate using vibrational spectroscopy, computational chemistry and multivariate analysis. European Journal of Pharmaceutical Sciences, 2007, 32, S8.	4.0	1
498	Preface of EuPAT 7 Special Issue - Inventing Tomorrow's Development and Manufacturing. European Journal of Pharmaceutical Sciences, 2016, 90, 1.	4.0	1
499	UV imaging of multiple unit pellet system (MUPS) tablets: A case study of acetylsalicylic acid stability. European Journal of Pharmaceutics and Biopharmaceutics, 2017, 119, 447-453.	4.3	1
500	Professor Peter York's A Distinguished Career in Powders, Processing, and Particle Design. Journal of Pharmaceutical Sciences, 2017, 106, 2-4.	3.3	1
501	Additive manufacturing of prototype elements with process interfaces for continuously operating manufacturing lines. Asian Journal of Pharmaceutical Sciences, 2018, 13, 575-583.	9.1	1
502	Expedited Investigation of Powder Caking Aided by Rapid 3D Prototyping of Testing Devices. Journal of Pharmaceutical Sciences, 2020, 109, 769-774.	3.3	1
503	<p>Effects of Anisodine Hydrobromide on the Cardiovascular and Respiratory Functions in Conscious Dogs</p>. Drug Design, Development and Therapy, 2020, Volume 14, 4263-4276.	4.3	1
504	Temperature-Modulated Micromechanical Thermal Analysis with Microstring Resonators Detects Multiple Coherent Features of Small Molecule Glass Transition. Sensors, 2020, 20, 1019.	3.8	1

#	ARTICLE	IF	CITATIONS
505	Effect of dehydration pathway on the surface properties of molecular crystals. CrystEngComm, 2021, 23, 5788-5794.	2.6	1
506	Image Analysis as a Tool for Fast Stability Screening of Solid Dispersions. , 0, , .		1
507	Lipid-Based Formulations for siRNA Delivery. , 0, , 291-304.		1
508	Comparison of vibrational spectroscopy techniques to investigate the dehydration behaviour of piroxicam monohydrate from compacts. European Journal of Pharmaceutical Sciences, 2007, 32, S9.	4.0	0
509	Industrial Crystallization. Chemical Engineering and Technology, 2014, 37, 1279-1279.	1.5	0
510	3D printing in oral drug delivery. , 2020, , 359-386.		0
511	Probabilistic modeling of an injectable aqueous crystalline suspension using influence networks. International Journal of Pharmaceutics, 2021, 596, 120283.	5.2	0
512	Preface : Additive Manufacturing in Pharmaceutical Product Design. Advanced Drug Delivery Reviews, 2021, 178, 113991.	13.7	0
513	In-line fluorescence spectroscopy for quantification of low amount of active pharmaceutical ingredient. Journal of Pharmaceutical Sciences, 2022, , .	3.3	0
514	Development of a Microgram Scale Video-Microscopic Method to Investigate Dissolution Behavior of Poorly Water-Soluble Drugs. AAPS PharmSciTech, 2022, 23, .	3.3	0