Mansoor Khan

List of Publications by Year
in descending order

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223	10,568	36271	43868
papers	citations	51 h-index	91 g-index

226	226	226	10027
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Understanding Pharmaceutical Quality by Design. AAPS Journal, 2014, 16, 771-783.	2.2	846
2	A new chapter in pharmaceutical manufacturing: 3D-printed drug products. Advanced Drug Delivery Reviews, 2017, 108, 39-50.	6.6	554
3	Self-emulsifying drug delivery systems (SEDDS) of coenzyme Q10: formulation development and bioavailability assessment. International Journal of Pharmaceutics, 2001, 212, 233-246.	2.6	506
4	Targeting to macrophages: role of physicochemical properties of particulate carriersâ€"liposomes and microspheresâ€"on the phagocytosis by macrophages. Journal of Controlled Release, 2002, 79, 29-40.	4.8	498
5	Assessment of Recent Process Analytical Technology (PAT) Trends: A Multiauthor Review. Organic Process Research and Development, 2015, 19, 3-62.	1.3	329
6	Comparative Evaluation of Flow for Pharmaceutical Powders and Granules. AAPS PharmSciTech, 2008, 9, 250-258.	1.5	326
7	Preparation and in vitro characterization of a eutectic based semisolid self-nanoemulsified drug delivery system (SNEDDS) of ubiquinone: mechanism and progress of emulsion formation. International Journal of Pharmaceutics, 2002, 235, 247-265.	2.6	223
8	Absorption enhancers in pulmonary protein delivery. Journal of Controlled Release, 2004, 94, 15-24.	4.8	149
9	Non-destructive methods of characterization of risperidone solid lipid nanoparticles. European Journal of Pharmaceutics and Biopharmaceutics, 2010, 76, 127-137.	2.0	149
10	Understanding the quality of protein loaded PLGA nanoparticles variability by Plackettâ€“Burman design. International Journal of Pharmaceutics, 2010, 389, 186-194.	2.6	138
11	A quality by design (QbD) case study on liposomes containing hydrophilic API: I. Formulation, processing design and risk assessment. International Journal of Pharmaceutics, 2011, 419, 52-59.	2.6	125
12	Quantitative determination of cesium binding to ferric hexacyanoferrate: Prussian blue. Journal of Pharmaceutical and Biomedical Analysis, 2008, 47, 114-125.	1.4	119
13	Quality by design: Understanding the formulation variables of a cyclosporine A self-nanoemulsified drug delivery systems by Boxâ€“Behnken design and desirability function. International Journal of Pharmaceutics, 2007, 332, 55-63.	2.6	118
14	Effect of Menthol and Related Terpenes on the Percutaneous Absorption of Propranolol across Excised Hairless Mouse Skin. Journal of Pharmaceutical Sciences, 1997, 86, 1369-1373.	1.6	113
15	Optimization of a self-nanoemulsified tablet dosage form of Ubiquinone using response surface methodology: effect of formulation ingredients. International Journal of Pharmaceutics, 2002, 240, 103-114.	2.6	111
16	Application of quality by design elements for the development and optimization of an analytical method for protamine sulfate. Journal of Pharmaceutical and Biomedical Analysis, 2012, 62, 61-67.	1.4	108
17	Physico-mechanical and Stability Evaluation of Carbamazepine Cocrystal with Nicotinamide. AAPS PharmSciTech, 2011, 12, 693-704.	1.5	107
18	Preparation and in vitro characterization of self-nanoemulsified drug delivery system (SNEDDS) of all-trans-retinol acetate. International Journal of Pharmaceutics, 2004, 285, 109-119.	2.6	102

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19	A quality by design (QbD) case study on liposomes containing hydrophilic API: II. Screening of critical variables, and establishment of design space at laboratory scale. International Journal of Pharmaceutics, 2012, 423, 543-553.	2.6	101
20	Controlled release of a self-emulsifying formulation from a tablet dosage form: Stability assessment and optimization of some processing parameters. International Journal of Pharmaceutics, 2006, 315, 110-121.	2.6	98
21	Predicting hydrophilic drug encapsulation inside unilamellar liposomes. International Journal of Pharmaceutics, 2012, 423, 410-418.	2.6	93
22	Quality-by-Design (QbD): An integrated process analytical technology (PAT) approach for a dynamic pharmaceutical co-precipitation process characterization and process design space developmentâ˜†. International Journal of Pharmaceutics, 2011, 405, 63-78.	2.6	92
23	Crystallinity evaluation of tacrolimus solid dispersions by chemometric analysis. International Journal of Pharmaceutics, 2012, 423, 341-350.	2.6	89
24	A Report from the Pediatric Formulations Task Force: Perspectives on the State of Child-Friendly Oral Dosage Forms. AAPS Journal, 2013, 15, 1072-1081.	2.2	89
25	Physical Characterization and Dissolution Properties of Ibuprofen:Eudragit Coprecipitates. Journal of Pharmaceutical Sciences, 1991, 80, 799-804.	1.6	84
26	Quality-by-Design (QbD): An integrated multivariate approach for the component quantification in powder blendsâ˜†. International Journal of Pharmaceutics, 2009, 372, 39-48.	2.6	81
27	A two-stage reverse dialysis in vitro dissolution testing method for passive targeted liposomes. International Journal of Pharmaceutics, 2012, 426, 211-218.	2.6	80
28	Evaluation of carrier capacity and release characteristics for poly(butyl 2-cyanoacrylate) nanoparticles. International Journal of Pharmaceutics, 1986, 30, 17-28.	2.6	77
29	Building better drugs: developing and regulating engineered therapeutic proteins. Trends in Pharmacological Sciences, 2013, 34, 534-548.	4.0	77
30	Understanding the effects of formulation and process variables on the printlets quality manufactured by selective laser sintering 3D printing. International Journal of Pharmaceutics, 2019, 570, 118651.	2.6	72
31	Quality by design: Impact of formulation variables and their interactions on quality attributes of a lyophilized monoclonal antibody. International Journal of Pharmaceutics, 2012, 438, 167-175.	2.6	69
32	Process Analytical Technology: Chemometric Analysis of Raman and Near Infra-Red Spectroscopic Data for Predicting Physical Properties of Extended Release Matrix Tablets. Journal of Pharmaceutical Sciences, 2007, 96, 1356-1365.	1.6	68
33	Real-time on-line blend uniformity monitoring using near-infrared reflectance spectrometry: A noninvasive off-line calibration approach. Journal of Pharmaceutical and Biomedical Analysis, 2009, 49, 48-54.	1.4	68
34	Risperidone solid dispersion for orally disintegrating tablet: Its formulation design and non-destructive methods of evaluation. International Journal of Pharmaceutics, 2010, 400, 49-58.	2.6	65
35	Tablet Splitting of a Narrow Therapeutic Index Drug: A Case with Levothyroxine Sodium. AAPS PharmSciTech, 2010, 11, 1359-1367.	1.5	64
36	Development of performance matrix for generic product equivalence of acyclovir topical creams. International Journal of Pharmaceutics, 2014, 475, 110-122.	2.6	64

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37	Optimization and characterization of controlled release pellets coated with an experimental latex: I. Anionic drug. International Journal of Pharmaceutics, 1995, 125, 243-255.	2.6	63
38	Racemate and Enantiomers of Ketoprofen: Phase Diagram, Thermodynamic Studies, Skin Permeability, and Use of Chiral Permeation Enhancers. Journal of Pharmaceutical Sciences, 1998, 87, 833-840.	1.6	63
39	Development and Evaluation of Paclitaxel Nanoparticles Using a Quality-by-Design Approach. Journal of Pharmaceutical Sciences, 2013, 102, 3748-3761.	1.6	63
40	Impact of controlled ice nucleation on process performance and quality attributes of a lyophilized monoclonal antibody. International Journal of Pharmaceutics, 2013, 450, 70-78.	2.6	62
41	Development and validation of in vitroâ€“in vivo correlation (IVIVC) for estradiol transdermal drug delivery systems. Journal of Controlled Release, 2015, 210, 58-66.	4.8	61
42	Defining Patient Centric Pharmaceutical Drug Product Design. AAPS Journal, 2016, 18, 1047-1055.	2.2	61
43	Box-behnken design for the optimization of formulation variables of indomethacin coprecipitates with polymer mixtures. International Journal of Pharmaceutics, 1996, 131, 9-17.	2.6	59
44	A small variation in average particle size of PLGA nanoparticles prepared by nanoprecipitation leads to considerable change in nanoparticlesâ€™ characteristics and efficacy of intracellular delivery. Artificial Cells, Nanomedicine and Biotechnology, 2017, 45, 1657-1664.	1.9	59
45	Evaluation of cytotoxicity of oils used in coenzyme Q10 Self-Emulsifying Drug Delivery Systems (SEDDS). International Journal of Pharmaceutics, 2004, 273, 63-73.	2.6	57
46	Process analytical technology (PAT): Effects of instrumental and compositional variables on terahertz spectral data quality to characterize pharmaceutical materials and tablets. International Journal of Pharmaceutics, 2007, 343, 148-158.	2.6	56
47	Quality by design: Characterization of self-nano-emulsified drug delivery systems (SNEDDs) using ultrasonic resonator technology. International Journal of Pharmaceutics, 2007, 341, 189-194.	2.6	54
48	Process Analytical Technology (PAT): Quantification Approaches in Terahertz Spectroscopy for Pharmaceutical Application. Journal of Pharmaceutical Sciences, 2008, 97, 970-984.	1.6	54
49	Quality-By-Design (QbD): An Integrated Approach for Evaluation of Powder Blending Process Kinetics and Determination of Powder Blending End-point. Journal of Pharmaceutical Sciences, 2009, 98, 2784-2798.	1.6	54
50	Application of quality by design to formulation and processing of protein liposomes. International Journal of Pharmaceutics, 2012, 434, 349-359.	2.6	54
51	Formulation and process factors influencing product quality and in vitro performance of ophthalmic ointments. International Journal of Pharmaceutics, 2015, 493, 412-425.	2.6	54
52	Synthesis and evaluation of morpholinoalkyl ester prodrugs of indomethacin and naproxen. Pharmaceutical Research, 1993, 10, 1191-1199.	1.7	51
53	Transbuccal permeation of a nucleoside analog, dideoxycytidine: effects of menthol as a permeation enhancer. International Journal of Pharmaceutics, 1999, 192, 139-146.	2.6	51
54	A quantitative study of the effect of process parameters on key granule characteristics in a high shear wet granulation process involving a two component pharmaceutical blend. Advanced Powder Technology, 2015, 26, 315-322.	2.0	51

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55	Morpholinoalkyl Ester Prodrugs of Diclofenac: Synthesis,In VitroandIn VivoEvaluation. Journal of Pharmaceutical Sciences, 1994, 83, 644-648.	1.6	50
56	3D-printing of lopinavir printlets by selective laser sintering and quantification of crystalline fraction by XRPD-chemometric models. International Journal of Pharmaceutics, 2021, 592, 120059.	2.6	50
57	Optimization and characterization of controlled release multi-particulate beads formulated with a customized cellulose acetate butyrate dispersion. International Journal of Pharmaceutics, 2002, 234, 179-193.	2.6	49
58	PROCESS CONTROL PERSPECTIVE FOR PROCESS ANALYTICAL TECHNOLOGY: INTEGRATION OF CHEMICAL ENGINEERING PRACTICE INTO SEMICONDUCTOR AND PHARMACEUTICAL INDUSTRIES. Chemical Engineering Communications, 2007, 194, 760-779.	1.5	49
59	Polymethyacrylate based microparticulates of insulin for oral delivery: Preparation and in vitro dissolution stability in the presence of enzyme inhibitors. International Journal of Pharmaceutics, 2001, 225, 31-39.	2.6	47
60	Development and application of a validated HPLC method for the determination of gabapentin and its major degradation impurity in drug products. Journal of Pharmaceutical and Biomedical Analysis, 2007, 43, 1647-1653.	1.4	47
61	Near-Infrared Investigations of Novel Anti-HIV Tenofovir Liposomes. AAPS Journal, 2010, 12, 202-214.	2.2	46
62	Influence of Formulation and Processing Factors on Stability of Levothyroxine Sodium Pentahydrate. AAPS PharmSciTech, 2010, 11, 818-825.	1.5	46
63	Quality by design in formulation and process development for a freeze-dried, small molecule parenteral product: a case study. Pharmaceutical Development and Technology, 2011, 16, 549-576.	1.1	46
64	Quality-by-Design (QbD): Effects of Testing Parameters and Formulation Variables on the Segregation Tendency of Pharmaceutical Powder Measured by the ASTM D 6940-04 Segregation Tester. Journal of Pharmaceutical Sciences, 2008, 97, 4485-4497.	1.6	44
65	Product and process understanding of a novel pediatric anti-HIV tenofovir niosomes with a high-pressure homogenizer. European Journal of Pharmaceutical Sciences, 2011, 44, 93-102.	1.9	44
66	Atenolol gastrointestinal therapeutic system: optimization of formulation variables using response surface methodology. Journal of Controlled Release, 1997, 45, 121-130.	4.8	43
67	Preparation and characterization of genistein containing poly(ethylene glycol) microparticles. Journal of Applied Polymer Science, 2006, 101, 2070-2078.	1.3	43
68	Quantitative determination of thallium binding to ferric hexacyanoferrate: Prussian blueâˆ†. International Journal of Pharmaceutics, 2008, 353, 187-194.	2.6	42
69	Qualityâ€byâ€Design (QbD): An Integrated Process Analytical Technology (PAT) Approach for Realâ€Time Monitoring and Mapping the State of a Pharmaceutical Coprecipitation Process. Journal of Pharmaceutical Sciences, 2010, 99, 1516-1534.	1.6	42
70	Assessing impact of formulation and process variables on in-vitro performance of directly compressed abuse deterrent formulations. International Journal of Pharmaceutics, 2016, 502, 138-150.	2.6	41
71	Robust Calibration Design in the Pharmaceutical Quantitative Measurements with Near-Infrared (NIR) Spectroscopy: Avoiding the Chemometric Pitfalls. Journal of Pharmaceutical Sciences, 2009, 98, 1155-1166.	1.6	40
72	A mechanistic population balance model for granulation processes: Effect of process and formulation parameters. Chemical Engineering Science, 2014, 107, 76-92.	1.9	40

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73	Quality by Design Approach for Understanding the Critical Quality Attributes of Cyclosporine Ophthalmic Emulsion. Molecular Pharmaceutics, 2014, 11, 787-799.	2.3	40
74	Withdrawal of Generic Budeprion for Nonbioequivalence. New England Journal of Medicine, 2012, 367, 2463-2465.	13.9	39
75	Development and validation of an ion chromatography method for the determination of phosphate-binding of lanthanum carbonate. Journal of Pharmaceutical and Biomedical Analysis, 2010, 51, 1108-1112.	1.4	38
76	Strategies of targeting oral drug delivery systems to the colon and their potential use for the treatment of colorectal cancer. Pharmaceutical Development and Technology, 2012, 17, 521-540.	1.1	38
77	Aqueous based polymeric dispersion: Plackettâ€“Burman design for screening of formulation variables of Atenolol Gastrointestinal Therapeutic System. Pharmaceutica Acta Helvetiae, 1998, 73, 105-112.	1.2	37
78	Permeability characteristics of novel mydriatic agents using an in vitro cell culture model that utilizes sirc rabbit corneal cells. Journal of Pharmaceutical Sciences, 1999, 88, 180-184.	1.6	37
79	Kinetics of drug release from ointments: Role of transient-boundary layer. International Journal of Pharmaceutics, 2015, 494, 31-39.	2.6	37
80	Permeability of Chemical Delivery Systems Across Rabbit Corneal (SIRC) Cell Line and Isolated Corneas: A Comparative Study. Pharmaceutical Development and Technology, 2000, 5, 409-416.	1.1	35
81	Optimization and characterization of controlled release multi-particulate beads coated with starch acetate. International Journal of Pharmaceutics, 2005, 294, 89-101.	2.6	35
82	Improvement of Physicochemical Properties of an Antiepileptic Drug by Salt Engineering. AAPS PharmSciTech, 2012, 13, 793-801.	1.5	35
83	Considerations for a Pediatric Biopharmaceutics Classification System (BCS): Application to Five Drugs. AAPS PharmSciTech, 2014, 15, 601-611.	1.5	35
84	Development and application of a validated HPLC method for the analysis of dissolution samples of levothyroxine sodium drug products. Journal of Pharmaceutical and Biomedical Analysis, 2011, 54, 433-438.	1.4	34
85	An Integrated Process Analytical Technology (PAT) Approach for Pharmaceutical Crystallization Process Understanding to Ensure Product Quality and Safety: FDA Scientistâ€™s Perspective. Organic Process Research and Development, 2015, 19, 89-101.	1.3	34
86	Disintegration of Highly Soluble Immediate Release Tablets: A Surrogate for Dissolution. AAPS PharmSciTech, 2009, 10, 495-499.	1.5	33
87	Chemometric Model Development and Comparison of Raman and 13C Solid-State Nuclear Magnetic Resonanceâ€“Chemometric Methods for Quantification of Crystalline/Amorphous Warfarin Sodium Fraction in the Formulations. Journal of Pharmaceutical Sciences, 2015, 104, 2550-2558.	1.6	33
88	Influence of drug loading and type of ointment base on the in vitro performance of acyclovir ophthalmic ointment. International Journal of Pharmaceutics, 2015, 495, 783-791.	2.6	33
89	Drug product characterization by Macropixel Analysis of chemical images. Journal of Pharmaceutical Sciences, 2007, 96, 3390-3401.	1.6	32
90	Development and application of a validated HPLC method for the analysis of dissolution samples of gabapentin drug products. Journal of Pharmaceutical and Biomedical Analysis, 2008, 46, 181-186.	1.4	32

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91	Stability indicating validated HPLC method for quantification of levothyroxine with eight degradation peaks in the presence of excipients. International Journal of Pharmaceutics, 2008, 360, 77-82.	2.6	32
92	Chain Length-Dependent Effects of Alkylmaltosides on Nasal Absorption of Enoxaparin. Journal of Pharmaceutical Sciences, 2004, 93, 675-683.	1.6	31
93	Online Monitoring of PLGA Microparticles Formation Using Lasentec Focused Beam Reflectance (FBRM) and Particle Video Microscope (PVM). AAPS Journal, 2010, 12, 254-262.	2.2	31
94	THz spectroscopy: An emerging technology for pharmaceutical development and pharmaceutical Process Analytical Technology (PAT) applications. Journal of Molecular Structure, 2012, 1020, 112-120.	1.8	31
95	Captopril gastrointestinal therapeutic system coated with cellulose acetate pseudolatex: evaluation of main effects of several formulation variables. International Journal of Pharmaceutics, 2000, 193, 147-156.	2.6	30
96	Orally disintegrating tablet of novel salt of antiepileptic drug: Formulation strategy and evaluation. European Journal of Pharmaceutics and Biopharmaceutics, 2013, 85, 1300-1309.	2.0	30
97	Fermentanomics: Relating quality attributes of a monoclonal antibody to cell culture process variables and raw materials using multivariate data analysis. Biotechnology Progress, 2015, 31, 1586-1599.	1.3	30
98	Quality by Design: Understanding The Product Variability of a Self-Nanoemulsified Drug Delivery System of Cyclosporine A. Journal of Pharmaceutical Sciences, 2007, 96, 2409-2423.	1.6	29
99	Tablet splitting: Product quality assessment of metoprolol succinate extended release tablets. International Journal of Pharmaceutics, 2010, 401, 25-31.	2.6	29
100	NIR Spectroscopy Applications in the Development of a Compacted Multiparticulate System for Modified Release. AAPS PharmSciTech, 2011, 12, 262-278.	1.5	29
101	Physicochemical and mechanical properties of carbamazepine cocrystals with saccharin. Pharmaceutical Development and Technology, 2012, 17, 457-465.	1.1	29
102	Bioreactor Process Parameter Screening Utilizing a Plackett-Burman Design for a Model Monoclonal Antibody. Journal of Pharmaceutical Sciences, 2015, 104, 1919-1928.	1.6	29
103	Risk based in vitro performance assessment of extended release abuse deterrent formulations. International Journal of Pharmaceutics, 2016, 500, 255-267.	2.6	28
104	Effects of excipients and curing process on the abuse deterrent properties of directly compressed tablets. International Journal of Pharmaceutics, 2017, 517, 303-311.	2.6	28
105	Optimization of process variables for the preparation of ibuprofen coprecipitates with eudragit S100. International Journal of Pharmaceutics, 1994, 102, 185-192.	2.6	27
106	Chemometric Methods for the Quantification of Crystalline Tacrolimus in Solid Dispersion by Powder Xâ€Ray Diffractrometry. Journal of Pharmaceutical Sciences, 2014, 103, 2819-2828.	1.6	27
107	Controlled release coprecipitates: formulation considerations. Journal of Controlled Release, 1995, 37, 131-141.	4.8	26
108	Complexation of risperidone with a taste-masking resin: Novel application of near infra-red and chemical imaging to evaluate complexes. Pharmaceutical Development and Technology, 2009, 14, 409-421.	1.1	26

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109	Combination of Paclitaxel and R-flurbiprofen loaded PLGA nanoparticles suppresses glioblastoma growth on systemic administration. International Journal of Pharmaceutics, 2020, 578, 119076.	2.6	26
110	Stability characterization of controlled release coprecipitates and solid dispersions. Journal of Controlled Release, 2000, 63, 1-6.	4.8	25
111	Bioavailability Assessment of Oral Coenzyme Q10 Formulations in Dogs. Drug Development and Industrial Pharmacy, 2002, 28, 1195-1200.	0.9	25
112	Cytotoxicity evaluation of enzyme inhibitors and absorption enhancers in Caco-2 cells for oral delivery of salmon calcitonin. Journal of Pharmaceutical Sciences, 2004, 93, 1070-1082.	1.6	25
113	Bupropion Hydrochloride. Profiles of Drug Substances, Excipients and Related Methodology, 2016, 41, 1-30.	3.5	25
114	Protection of salmon calcitonin breakdown with serine proteases by various ovomucoid species for oral drug delivery. Journal of Pharmaceutical Sciences, 2004, 93, 392-406.	1.6	24
115	Physicochemical Characterization of Complex Drug Substances: Evaluation of Structural Similarities and Differences of Protamine Sulfate from Various Sources. AAPS Journal, 2012, 14, 619-626.	2.2	24
116	Tannate complexes of antihistaminic drug: Sustained release and taste masking approaches. International Journal of Pharmaceutics, 2012, 422, 91-100.	2.6	24
117	United States Food and Drug Administration and Department of Defense Shelf-Life Extension Program of Pharmaceutical Products: Progress and Promise. Journal of Pharmaceutical Sciences, 2014, 103, 1331-1336.	1.6	24
118	Stability and Bioequivalence Studies of Two Marketed Formulations of Coenzyme Q10 in Beagle Dogs.. Chemical and Pharmaceutical Bulletin, 1999, 47, 1024-1028.	0.6	23
119	Assessing the impact of nimodipine devitrification in the ternary cosolvent system through quality by design approach. International Journal of Pharmaceutics, 2013, 455, 113-123.	2.6	23
120	Chemometric Evaluation of Near Infrared, Fourier Transform Infrared, and Raman Spectroscopic Models for the Prediction of Nimodipine Polymorphs. Journal of Pharmaceutical Sciences, 2013, 102, 4024-4035.	1.6	23
121	Liposome Formation Using a Coaxial Turbulent Jet in Co-Flow. Pharmaceutical Research, 2016, 33, 404-416.	1.7	23
122	Response surface methodology to obtain naproxen controlled release tablets from its microspheres with Eudragit L100-55. Journal of Microencapsulation, 2001, 18, 651-662.	1.2	22
123	Formulation and transport properties of tenofovir loaded liposomes through Caco-2 cell model. Journal of Liposome Research, 2013, 23, 318-326.	1.5	22
124	Comparison of X-ray Powder Diffraction and Solid-State Nuclear Magnetic Resonance in Estimating Crystalline Fraction of Tacrolimus in Sustained-Release Amorphous Solid Dispersion and Development of Discriminating Dissolution Method. Journal of Pharmaceutical Sciences, 2015, 104, 1777-1786.	1.6	22
125	Formulation and Evaluation of a Protein-loaded Solid Dispersions by Non-destructive Methods. AAPS Journal, 2010, 12, 158-170.	2.2	21
126	Cholorpheniramine tannate complexes: Physicochemical, chemometric, and taste masking evaluation. International Journal of Pharmaceutics, 2012, 436, 582-592.	2.6	21

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127	An Integrated Process Analytical Technology (PAT) Approach to Monitoring the Effect of Supercooling on Lyophilization Product and Process Parameters of Model Monoclonal Antibody Formulations. Journal of Pharmaceutical Sciences, 2014, 103, 2042-2052.	1.6	21
128	Understanding effect of formulation and manufacturing variables on the critical quality attributes of warfarin sodium product. International Journal of Pharmaceutics, 2015, 495, 19-30.	2.6	21
129	Effect of processing parameters and controlled environment storage on the disproportionation and dissolution of extended-release capsule of phenytoin sodium. International Journal of Pharmaceutics, 2018, 550, 290-299.	2.6	21
130	Thermodynamic stability assessment of a colloidal iron drug product: Sodium ferric gluconate**This scientific contribution is intended to support regulatory policy development. The views presented in this article have not been adopted as regulatory policies by the Food and Drug Administration at this time.. Journal of Pharmaceutical Sciences, 2010, 99, 142-153.	1.6	20
131	Quantitative estimation of phenytoin sodium disproportionation in the formulations using vibration spectroscopies and multivariate methodologies. International Journal of Pharmaceutics, 2018, 539, 65-74.	2.6	20
132	Solid-state stability assessment of controlled release tablets containing CarbopolÂ® 971P. Journal of Controlled Release, 1998, 54, 87-93.	4.8	19
133	A simplified chromatographic method for quantitative determination of coenzyme Q10 in dog plasma. Journal of Pharmaceutical and Biomedical Analysis, 1998, 16, 1037-1040.	1.4	19
134	Preparation and characterization of a customized cellulose acetate butyrate dispersion for controlled drug delivery. Journal of Pharmaceutical Sciences, 2002, 91, 1512-1522.	1.6	19
135	Comparison of the stability of split and intact gabapentin tablets. International Journal of Pharmaceutics, 2008, 350, 65-69.	2.6	19
136	Evaluation of In-Use Stability of Anticoagulant Drug Products: Warfarin Sodium. Journal of Pharmaceutical Sciences, 2015, 104, 4232-4240.	1.6	19
137	Pharmaceutical characterization of novel tenofovir liposomal formulations for enhanced oral drug delivery: in vitro pharmaceutics and Caco-2 permeability investigations. Clinical Pharmacology: Advances and Applications, 2017, Volume 9, 29-38.	0.8	19
138	Permeability of a Soft Steroid, Loteprednol Etabonate, Through an Excised Rabbit Cornea. Journal of Ocular Pharmacology and Therapeutics, 1996, 12, 159-167.	0.6	18
139	Effect of Ethanol on Opioid Drug Permeability Through Caco-2 Cell Monolayers. AAPS Journal, 2008, 10, 360-362.	2.2	18
140	Near-Infrared and Fourier Transform Infrared Chemometric Methods for the Quantification of Crystalline Tacrolimus from Sustained-Release Amorphous Solid Dispersion. Journal of Pharmaceutical Sciences, 2014, 103, 2376-2385.	1.6	18
141	Product and process understanding to relate the effect of freezing method on glycation and aggregation of lyophilized monoclonal antibody formulations. International Journal of Pharmaceutics, 2015, 490, 341-350.	2.6	18
142	Development and validation of X-ray diffraction method for quantitative determination of crystallinity in warfarin sodium products. International Journal of Pharmaceutics, 2015, 493, 1-6.	2.6	18
143	Blend of cellulose ester and enteric polymers for delayed and enteric coating of core tablets of hydrophilic and hydrophobic drugs. International Journal of Pharmaceutics, 2019, 567, 118462.	2.6	18
144	Bioavailability assessment of salbutamol sulfate suppositories in human volunteers. International Journal of Pharmaceutics, 2004, 279, 3-7.	2.6	17

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145	Use of In Vitroâ€“In Vivo Correlation to Predict the Pharmacokinetics of Several Products Containing a BCS Class 1 Drug in Extended Release Matrices. Pharmaceutical Research, 2013, 30, 179-190.	1.7	17
146	Process Analytical Technology: Nondestructive Evaluation of Cyclosporine A and Phospholipid Solid Dispersions by Near Infrared Spectroscopy and Imaging. Journal of Pharmaceutical Sciences, 2008, 97, 3388-3399.	1.6	16
147	Evaluation of Transmission and Reflection Modalities for Measuring Content Uniformity of Pharmaceutical Tablets with Near-Infrared Spectroscopy. Applied Spectroscopy, 2009, 63, 33-47.	1.2	16
148	In Vitro Bioequivalence Approach for a Locally Acting Gastrointestinal Drug: Lanthanum Carbonate. Molecular Pharmaceutics, 2013, 10, 544-550.	2.3	16
149	Integrated Process Analytical Technology Approach for Nucleation Induction Time Measurement and Nucleation Mechanism Assessment for a Dynamic Multicomponent Pharmaceutical Antisolvent Crystallization System. Industrial & Engineering Chemistry Research, 2014, 53, 1688-1701.	1.8	16
150	Determination of tacrolimus crystalline fraction in the commercial immediate release amorphous solid dispersion products by a standardized X-ray powder diffraction method with chemometrics. International Journal of Pharmaceutics, 2014, 475, 462-470.	2.6	16
151	Chemometric Models for Quantification of Carbamazepine Anhydrous and Dihydrate Forms in the Formulation. Journal of Pharmaceutical Sciences, 2019, 108, 1211-1219.	1.6	16
152	Optimization and characterization of controlled release pellets coated with an experimental latex: II. Cationic drug. International Journal of Pharmaceutics, 1996, 141, 179-195.	2.6	15
153	Stability of gabapentin 300-mg capsules repackaged in unit dose containers. American Journal of Health-System Pharmacy, 2009, 66, 1376-1380.	0.5	15
154	Quality-by-Design: An Integrated Process Analytical Technology Approach to Determine the Nucleation and Growth Mechanisms During a Dynamic Pharmaceutical Coprecipitation Process. Journal of Pharmaceutical Sciences, 2011, 100, 1969-1986.	1.6	15
155	Oseltamivir Phosphateâ€“Amberliteâ„¢ IRP 64 Ionic Complex for Taste Masking: Preparation and Chemometric Evaluation. Journal of Pharmaceutical Sciences, 2013, 102, 1800-1812.	1.6	15
156	Root cause evaluation of particulates in the lyophilized indomethacin sodium trihydrate plug for parenteral administration. International Journal of Pharmaceutics, 2014, 473, 545-551.	2.6	15
157	Real time monitoring of bioreactor mAb IgG3 cell culture process dynamics via Fourier transform infrared spectroscopy: Implications for enabling cell culture process analytical technology. Frontiers of Chemical Science and Engineering, 2015, 9, 386-406.	2.3	15
158	Evaluation of Abuse-Deterrent Characteristics of Tablets Prepared via Hot-Melt Extrusion. AAPS PharmSciTech, 2019, 20, 230.	1.5	15
159	Aqueous-based polymeric dispersion: preparation and characterization of cellulose acetate pseudolatex. International Journal of Pharmaceutics, 1998, 165, 175-189.	2.6	14
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