

Zachary N Warnken

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

165
papers

7,286
citations

48
h-index

78
g-index

180
ext. papers

8,271
ext. citations

5.3
avg, IF

6.26
L-index

#	Paper	IF	Citations
165	Dry powders for inhalation containing monoclonal antibodies made by thin-film freeze-drying.. <i>International Journal of Pharmaceutics</i> , 2022 , 618, 121637	6.5	1
164	Poly (N-Vinylcaprolactam-Grafted-Sodium Alginate) Based Injectable pH/Thermo Responsive In Situ Forming Depot Hydrogels for Prolonged Controlled Anticancer Drug Delivery; In Vitro, In Vivo Characterization and Toxicity Evaluation. <i>Pharmaceutics</i> , 2022 , 14, 1050	6.4	1
163	Route-Specific Challenges in the Delivery of Poorly Water-Soluble Drugs. <i>AAPS Advances in the Pharmaceutical Sciences Series</i> , 2022 , 1-31	0.5	
162	Nose-to-Brain Drug Delivery Enabled by Nanocarriers. <i>Neuromethods</i> , 2021 , 209-233	0.4	
161	Increasing Drug Loading of Weakly Acidic Telmisartan in Amorphous Solid Dispersions through pH Modification during Hot-Melt Extrusion. <i>Molecular Pharmaceutics</i> , 2021 ,	5.6	1
160	Manufacturing Stable Bacteriophage Powders by Including Buffer System in Formulations and Using Thin Film Freeze-drying Technology. <i>Pharmaceutical Research</i> , 2021 , 38, 1793-1804	4.5	1
159	Next-Generation COVID-19 Vaccines Should Take Efficiency of Distribution into Consideration. <i>AAPS PharmSciTech</i> , 2021 , 22, 126	3.9	13
158	Novel formulations and drug delivery systems to administer biological solids. <i>Advanced Drug Delivery Reviews</i> , 2021 , 172, 183-210	18.5	7
157	Niclosamide inhalation powder made by thin-film freezing: Multi-dose tolerability and exposure in rats and pharmacokinetics in hamsters. <i>International Journal of Pharmaceutics</i> , 2021 , 603, 120701	6.5	5
156	Specific mechanical energy - An essential parameter in the processing of amorphous solid dispersions. <i>Advanced Drug Delivery Reviews</i> , 2021 , 173, 374-393	18.5	4
155	Innovating on Inhaled Bioequivalence: A Critical Analysis of the Current Limitations, Potential Solutions and Stakeholders of the Process. <i>Pharmaceutics</i> , 2021 , 13,	6.4	1
154	Ternary Amorphous Solid Dispersions Containing a High-Viscosity Polymer and Mesoporous Silica Enhance Dissolution Performance \square <i>Molecular Pharmaceutics</i> , 2021 , 18, 198-213	5.6	9
153	Development and evaluation of inhalable composite niclosamide-lysozyme particles: A broad-spectrum, patient-adaptable treatment for coronavirus infections and sequalae. <i>PLoS ONE</i> , 2021 , 16, e0246803	3.7	16
152	Development of PEGylated chitosan/CRISPR-Cas9 dry powders for pulmonary delivery via thin-film freeze-drying. <i>International Journal of Pharmaceutics</i> , 2021 , 605, 120831	6.5	0
151	The effect of drug loading on the properties of abiraterone-hydroxypropyl beta cyclodextrin solid dispersions processed by solvent free KinetiSol \square technology. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021 , 165, 52-65	5.7	3
150	Selective Laser Sintering of a Photosensitive Drug: Impact of Processing and Formulation Parameters on Degradation, Solid State, and Quality of 3D-Printed Dosage Forms. <i>Molecular Pharmaceutics</i> , 2021 , 18, 3894-3908	5.6	3
149	In vivo pharmacokinetic study of remdesivir dry powder for inhalation in hamsters.. <i>International Journal of Pharmaceutics: X</i> , 2021 , 3, 100073	3.2	4

148	Amorphous Solid Dispersions and the Contribution of Nanoparticles to In Vitro Dissolution and In Vivo Testing: Niclosamide as a Case Study. <i>Pharmaceutics</i> , 2021 , 13,	6.4	15
147	and Behaviors of KinetiSol and Spray-Dried Amorphous Solid Dispersions of a Weakly Basic Drug and Ionic Polymer. <i>Molecular Pharmaceutics</i> , 2020 , 17, 2789-2808	5.6	16
146	Complex Drug Delivery Systems: Controlling Transdermal Permeation Rates with Multiple Active Pharmaceutical Ingredients. <i>AAPS PharmSciTech</i> , 2020 , 21, 165	3.9	4
145	Using thin film freezing to minimize excipients in inhalable tacrolimus dry powder formulations. <i>International Journal of Pharmaceutics</i> , 2020 , 586, 119490	6.5	13
144	Just how prevalent are peptide therapeutic products? A critical review. <i>International Journal of Pharmaceutics</i> , 2020 , 587, 119491	6.5	16
143	Development of an Excipient-Free Peptide Dry Powder Inhalation for the Treatment of Pulmonary Fibrosis. <i>Molecular Pharmaceutics</i> , 2020 , 17, 632-644	5.6	5
142	The COVID-19 Vaccine Race: Challenges and Opportunities in Vaccine Formulation. <i>AAPS PharmSciTech</i> , 2020 , 21, 225	3.9	134
141	Inhaled nanoparticles-An updated review. <i>International Journal of Pharmaceutics</i> , 2020 , 587, 119671	6.5	23
140	Amorphous solid dispersion dry powder for pulmonary drug delivery: Advantages and challenges. <i>International Journal of Pharmaceutics</i> , 2020 , 587, 119711	6.5	12
139	Development of Remdesivir as a Dry Powder for Inhalation by Thin Film Freezing. <i>Pharmaceutics</i> , 2020 , 12,	6.4	39
138	Bioavailability Improvement of Carbamazepine via Oral Administration of Modified-Release Amorphous Solid Dispersions in Rats. <i>Pharmaceutics</i> , 2020 , 12,	6.4	1
137	Immunogenicity of Antigen Adjuvanted with AS04 and Its Deposition in the Upper Respiratory Tract after Intranasal Administration. <i>Molecular Pharmaceutics</i> , 2020 , 17, 3259-3269	5.6	3
136	Thermally Conductive Excipient Expands KinetiSol Processing Capabilities. <i>AAPS PharmSciTech</i> , 2020 , 21, 319	3.9	11
135	Formulation Composition and Process Affect Counterion for CSP7 Peptide. <i>Pharmaceutics</i> , 2019 , 11,	6.4	3
134	Can drug release rate from implants be tailored using poly(urethane) mixtures?. <i>International Journal of Pharmaceutics</i> , 2019 , 557, 390-401	6.5	9
133	Homogeneity of amorphous solid dispersions - an example with KinetiSol. <i>Drug Development and Industrial Pharmacy</i> , 2019 , 45, 724-735	3.6	13
132	Influence of mechanical and thermal energy on nifedipine amorphous solid dispersions prepared by hot melt extrusion: Preparation and physical stability. <i>International Journal of Pharmaceutics</i> , 2019 , 561, 324-334	6.5	28
131	Enhanced Aerosolization of High Potency Nanoaggregates of Voriconazole by Dry Powder Inhalation. <i>Molecular Pharmaceutics</i> , 2019 , 16, 1799-1812	5.6	17

130	How broadly can poly(urethane)-based implants be applied to drugs of varied properties? <i>International Journal of Pharmaceutics</i> , 2019 , 568, 118550	6.5	7
129	Delivery Technologies for Orally Inhaled Products: an Update. <i>AAPS PharmSciTech</i> , 2019 , 20, 117	3.9	25
128	Caveolin-1-derived peptide limits development of pulmonary fibrosis. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	29
127	Solid-state NMR analysis of crystalline and amorphous Indomethacin: An experimental protocol for full resonance assignments. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019 , 165, 47-55	3.5	17
126	Characterization of amorphous solid dispersions: An update. <i>Journal of Drug Delivery Science and Technology</i> , 2019 , 50, 113-124	4.5	51
125	Personalized Medicine in Nasal Delivery: The Use of Patient-Specific Administration Parameters To Improve Nasal Drug Targeting Using 3D-Printed Nasal Replica Casts. <i>Molecular Pharmaceutics</i> , 2018 , 15, 1392-1402	5.6	39
124	Sustained-release amorphous solid dispersions. <i>Drug Delivery and Translational Research</i> , 2018 , 8, 1714-1725	6.25	19
123	Sustained Release Drug Delivery Applications of Polyurethanes. <i>Pharmaceutics</i> , 2018 , 10,	6.4	37
122	A Repurposed Drug for Brain Cancer: Enhanced Atovaquone Amorphous Solid Dispersion by Combining a Spontaneously Emulsifying Component with a Polymer Carrier. <i>Pharmaceutics</i> , 2018 , 10,	6.4	15
121	Predicting physical stability of ternary amorphous solid dispersions using specific mechanical energy in a hot melt extrusion process. <i>International Journal of Pharmaceutics</i> , 2018 , 548, 571-585	6.5	38
120	In Vitro-In Vivo Correlations of Carbamazepine Nanodispersions for Application in Formulation Development. <i>Journal of Pharmaceutical Sciences</i> , 2018 , 107, 453-465	3.9	12
119	Intranasal immunization with aluminum salt-adjuvanted dry powder vaccine. <i>Journal of Controlled Release</i> , 2018 , 292, 111-118	11.7	18
118	Nebulization of Single-Chain Tissue-Type and Single-Chain Urokinase Plasminogen Activator for Treatment of Inhalational Smoke-Induced Acute Lung Injury. <i>Journal of Drug Delivery Science and Technology</i> , 2018 , 48, 19-27	4.5	3
117	A modified USP induction port to characterize nasal spray plume geometry and predict turbinate deposition under flow. <i>International Journal of Pharmaceutics</i> , 2018 , 548, 305-313	6.5	10
116	Mucoadhesive amorphous solid dispersions for sustained release of poorly water soluble drugs. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017 , 113, 157-167	5.7	18
115	Processing thermally labile drugs by hot-melt extrusion: The lesson with gliclazide. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017 , 119, 56-67	5.7	45
114	Modified release itraconazole amorphous solid dispersion to treat <i>Aspergillus fumigatus</i> : importance of the animal model selection. <i>Drug Development and Industrial Pharmacy</i> , 2017 , 43, 264-274	3.6	5
113	Hot melt extrusion versus spray drying: hot melt extrusion degrades albendazole. <i>Drug Development and Industrial Pharmacy</i> , 2017 , 43, 797-811	3.6	41

112	A New Extrudable Form of Hypromellose: AFFINISOL [®] HPMC HME. <i>AAPS PharmSciTech</i> , 2016 , 17, 106-19	3.9	49
111	Thermal Processing of PVP- and HPMC-Based Amorphous Solid Dispersions. <i>AAPS PharmSciTech</i> , 2016 , 17, 120-32	3.9	38
110	Challenges and Strategies in Thermal Processing of Amorphous Solid Dispersions: A Review. <i>AAPS PharmSciTech</i> , 2016 , 17, 43-55	3.9	82
109	Formulation and device design to increase nose to brain drug delivery. <i>Journal of Drug Delivery Science and Technology</i> , 2016 , 35, 213-222	4.5	56
108	Use of Polyvinyl Alcohol as a Solubility-Enhancing Polymer for Poorly Water Soluble Drug Delivery (Part 1). <i>AAPS PharmSciTech</i> , 2016 , 17, 167-79	3.9	48
107	Enabling thermal processing of ritonavir-polyvinyl alcohol amorphous solid dispersions by KinetiSol [®] Dispersing. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016 , 101, 72-81	5.7	29
106	Use of Polyvinyl Alcohol as a Solubility Enhancing Polymer for Poorly Water-Soluble Drug Delivery (Part 2). <i>AAPS PharmSciTech</i> , 2016 , 17, 180-90	3.9	20
105	Route-Specific Challenges in the Delivery of Poorly Water-Soluble Drugs. <i>AAPS Advances in the Pharmaceutical Sciences Series</i> , 2016 , 1-39	0.5	2
104	Influence of process parameters on the preparation of pharmaceutical films by electrostatic powder deposition. <i>International Journal of Pharmaceutics</i> , 2016 , 515, 94-103	6.5	6
103	Formulation of a novel fixed dose combination of salmeterol xinafoate and mometasone furoate for inhaled drug delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015 , 96, 132-42	5.7	7
102	Electrostatic powder deposition to prepare films for drug delivery. <i>Journal of Drug Delivery Science and Technology</i> , 2015 , 30, 501-510	4.5	9
101	Hot-melt extrusion--basic principles and pharmaceutical applications. <i>Drug Development and Industrial Pharmacy</i> , 2014 , 40, 1133-55	3.6	95
100	Dissolution enhancement of itraconazole by hot-melt extrusion alone and the combination of hot-melt extrusion and rapid freezing--effect of formulation and processing variables. <i>Molecular Pharmaceutics</i> , 2014 , 11, 186-96	5.6	26
99	The impact of pulmonary diseases on the fate of inhaled medicines--a review. <i>International Journal of Pharmaceutics</i> , 2014 , 461, 112-28	6.5	37
98	Solid lipid nanoparticle formulations of docetaxel prepared with high melting point triglycerides: in vitro and in vivo evaluation. <i>Molecular Pharmaceutics</i> , 2014 , 11, 1239-49	5.6	67
97	Films loaded with insulin-coated nanoparticles (ICNP) as potential platforms for peptide buccal delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 122, 38-45	6	42
96	In vitro and in vivo performance of dry powder inhalation formulations: comparison of particles prepared by thin film freezing and micronization. <i>AAPS PharmSciTech</i> , 2014 , 15, 981-93	3.9	27
95	Characterization and pharmacokinetic analysis of crystalline versus amorphous rapamycin dry powder via pulmonary administration in rats. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014 , 88, 136-47	5.7	29

94	Respirable low-density microparticles formed in situ from aerosolized brittle matrices. <i>Pharmaceutical Research</i> , 2013 , 30, 813-25	4.5	39
93	Nebulization of mycophenolate mofetil inhalation suspension in rats: comparison with oral and pulmonary administration of Cellcept®. <i>International Journal of Pharmaceutics</i> , 2013 , 441, 19-29	6.5	5
92	Enhancing bioavailability through thermal processing. <i>International Journal of Pharmaceutics</i> , 2013 , 450, 185-96	6.5	31
91	Amorphous solid dispersions and nano-crystal technologies for poorly water-soluble drug delivery. <i>International Journal of Pharmaceutics</i> , 2013 , 453, 157-66	6.5	206
90	Effect of process variables on morphology and aerodynamic properties of voriconazole formulations produced by thin film freezing. <i>International Journal of Pharmaceutics</i> , 2012 , 429, 46-57	6.5	19
89	Formulation and delivery of improved amorphous fenofibrate solid dispersions prepared by thin film freezing. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012 , 82, 534-44	5.7	79
88	Influence of formulation and processing variables on properties of itraconazole nanoparticles made by advanced evaporative precipitation into aqueous solution. <i>AAPS PharmSciTech</i> , 2012 , 13, 949-60	3.9	9
87	Transesterification-mediated E-ring opening and stereoselective "Red-Ox" modification of furostan. <i>Steroids</i> , 2012 , 77, 276-81	2.8	10
86	Dry powder insufflation of crystalline and amorphous voriconazole formulations produced by thin film freezing to mice. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012 , 81, 600-8	5.7	46
85	Surfactants: their critical role in enhancing drug delivery to the lungs. <i>Therapeutic Delivery</i> , 2011 , 2, 623-43	4.8	20
84	Preclinical evaluation of tacrolimus colloidal dispersion for inhalation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011 , 77, 207-15	5.7	10
83	Plasma deposited stability enhancement coating for amorphous ketoprofen. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011 , 78, 67-74	5.7	8
82	Nanoparticulate systems for oral drug delivery to the colon. <i>International Journal of Nanotechnology</i> , 2011 , 8, 4	1.5	6
81	Influence of particle size on regional lung deposition--what evidence is there?. <i>International Journal of Pharmaceutics</i> , 2011 , 406, 1-10	6.5	350
80	Fusion production of solid dispersions containing a heat-sensitive active ingredient by hot melt extrusion and Kinetisol dispersing. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010 , 74, 340-51	5.7	111
79	Comparison of bioavailability of amorphous versus crystalline itraconazole nanoparticles via pulmonary administration in rats. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010 , 75, 33-41	5.7	107
78	Dissolution enhancement of a drug exhibiting thermal and acidic decomposition characteristics by fusion processing: a comparative study of hot melt extrusion and KinetiSol dispersing. <i>AAPS PharmSciTech</i> , 2010 , 11, 760-74	3.9	65
77	Characterization and pharmacokinetic analysis of tacrolimus dispersion for nebulization in a lung transplanted rodent model. <i>International Journal of Pharmaceutics</i> , 2010 , 384, 46-52	6.5	21

76	In vitro characterization and pharmacokinetics in mice following pulmonary delivery of itraconazole as cyclodextrin solubilized solution. <i>European Journal of Pharmaceutical Sciences</i> , 2010 , 39, 336-47	5.1	40
75	Applications of KinetiSol dispersing for the production of plasticizer free amorphous solid dispersions. <i>European Journal of Pharmaceutical Sciences</i> , 2010 , 40, 179-87	5.1	54
74	Fusion processing of itraconazole solid dispersions by kinetisol dispersing: a comparative study to hot melt extrusion. <i>Journal of Pharmaceutical Sciences</i> , 2010 , 99, 1239-53	3.9	58
73	Templated open flocs of anisotropic particles for pulmonary delivery with pressurized metered dose inhalers. <i>Journal of Pharmaceutical Sciences</i> , 2010 , 99, 3150-65	3.9	19
72	Inhaled voriconazole for prevention of invasive pulmonary aspergillosis. <i>Antimicrobial Agents and Chemotherapy</i> , 2009 , 53, 2613-5	5.9	34
71	Templated open flocs of nanorods for enhanced pulmonary delivery with pressurized metered dose inhalers. <i>Pharmaceutical Research</i> , 2009 , 26, 101-17	4.5	33
70	Dose tolerability of chronically inhaled voriconazole solution in rodents. <i>International Journal of Pharmaceutics</i> , 2009 , 379, 25-31	6.5	16
69	Characterization and pharmacokinetic analysis of aerosolized aqueous voriconazole solution. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009 , 72, 199-205	5.7	43
68	Highly supersaturated solutions from dissolution of amorphous itraconazole microparticles at pH 6.8. <i>Molecular Pharmaceutics</i> , 2009 , 6, 375-85	5.6	33
67	Highly supersaturated solutions of amorphous drugs approaching predictions from configurational thermodynamic properties. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 16675-81	3.4	40
66	Nebulization of nanoparticulate amorphous or crystalline tacrolimus--single-dose pharmacokinetics study in mice. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008 , 69, 1057-66	5.7	38
65	Effect of stabilizer on the maximum degree and extent of supersaturation and oral absorption of tacrolimus made by ultra-rapid freezing. <i>Pharmaceutical Research</i> , 2008 , 25, 167-75	4.5	84
64	Formation of stable submicron protein particles by thin film freezing. <i>Pharmaceutical Research</i> , 2008 , 25, 1334-46	4.5	51
63	Targeted intestinal delivery of supersaturated itraconazole for improved oral absorption. <i>Pharmaceutical Research</i> , 2008 , 25, 1450-9	4.5	115
62	Flocculated amorphous nanoparticles for highly supersaturated solutions. <i>Pharmaceutical Research</i> , 2008 , 25, 2477-87	4.5	48
61	Amorphous cyclosporin nanodispersions for enhanced pulmonary deposition and dissolution. <i>Journal of Pharmaceutical Sciences</i> , 2008 , 97, 4915-33	3.9	55
60	Inhaled nanoparticles--a current review. <i>International Journal of Pharmaceutics</i> , 2008 , 356, 239-47	6.5	470
59	High bioavailability from nebulized itraconazole nanoparticle dispersions with biocompatible stabilizers. <i>International Journal of Pharmaceutics</i> , 2008 , 361, 177-88	6.5	95

58	Amorphous compositions using concentration enhancing polymers for improved bioavailability of itraconazole. <i>Molecular Pharmaceutics</i> , 2008 , 5, 968-80	5.6	150
57	Drug delivery strategies for improved azole antifungal action. <i>Expert Opinion on Drug Delivery</i> , 2008 , 5, 1199-216	8	46
56	Design of potent amorphous drug nanoparticles for rapid generation of highly supersaturated media. <i>Molecular Pharmaceutics</i> , 2007 , 4, 782-93	5.6	126
55	Hot-melt extrusion for enhanced delivery of drug particles. <i>Journal of Pharmaceutical Sciences</i> , 2007 , 96, 361-76	3.9	117
54	Evaluation of the USP dissolution test method A for enteric-coated articles by planar laser-induced fluorescence. <i>International Journal of Pharmaceutics</i> , 2007 , 330, 61-72	6.5	11
53	Solid dispersions of itraconazole and enteric polymers made by ultra-rapid freezing. <i>International Journal of Pharmaceutics</i> , 2007 , 336, 122-32	6.5	72
52	Murine airway histology and intracellular uptake of inhaled amorphous itraconazole. <i>International Journal of Pharmaceutics</i> , 2007 , 338, 219-24	6.5	26
51	Turbidimetric measurement and prediction of dissolution rates of poorly soluble drug nanocrystals. <i>Journal of Controlled Release</i> , 2007 , 117, 351-9	11.7	60
50	Aerosolized nanostructured itraconazole as prophylaxis against invasive pulmonary aspergillosis. <i>Journal of Infection</i> , 2007 , 55, 68-74	18.9	34
49	Dissolution Rates and Supersaturation Behavior of Amorphous Repaglinide Particles Produced by Controlled Precipitation. <i>Journal of Biomedical Nanotechnology</i> , 2007 , 3, 18-27	4	14
48	Novel ultra-rapid freezing particle engineering process for enhancement of dissolution rates of poorly water-soluble drugs. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2007 , 65, 57-67	5.7	91
47	Stable high surface area lactate dehydrogenase particles produced by spray freezing into liquid nitrogen. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2007 , 65, 163-74	5.7	33
46	Morphology of protein particles produced by spray freezing of concentrated solutions. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2007 , 65, 149-62	5.7	40
45	Spray freezing into liquid versus spray-freeze drying: influence of atomization on protein aggregation and biological activity. <i>European Journal of Pharmaceutical Sciences</i> , 2006 , 27, 9-18	5.1	89
44	Ketoprofen nanoparticle gels formed by evaporative precipitation into aqueous solution. <i>AIChE Journal</i> , 2006 , 52, 2428-2435	3.6	13
43	In vivo efficacy of aerosolized nanostructured itraconazole formulations for prevention of invasive pulmonary aspergillosis. <i>Antimicrobial Agents and Chemotherapy</i> , 2006 , 50, 1552-4	5.9	44
42	Drug nanoparticles by antisolvent precipitation: mixing energy versus surfactant stabilization. <i>Langmuir</i> , 2006 , 22, 8951-9	4	300
41	Single dose and multiple dose studies of itraconazole nanoparticles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2006 , 63, 95-102	5.7	75

40	Cryogenic liquids, nanoparticles, and microencapsulation. <i>International Journal of Pharmaceutics</i> , 2006 , 324, 43-50	6.5	33
39	Targeted high lung concentrations of itraconazole using nebulized dispersions in a murine model. <i>Pharmaceutical Research</i> , 2006 , 23, 901-11	4.5	60
38	Comparison of powder produced by evaporative precipitation into aqueous solution (EPAS) and spray freezing into liquid (SFL) technologies using novel Z-contrast STEM and complimentary techniques. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2005 , 60, 81-9	5.7	32
37	Stabilizer choice for rapid dissolving high potency itraconazole particles formed by evaporative precipitation into aqueous solution. <i>International Journal of Pharmaceutics</i> , 2005 , 302, 113-24	6.5	46
36	Encapsulation of protein nanoparticles into uniform-sized microspheres formed in a spinning oil film. <i>AAPS PharmSciTech</i> , 2005 , 6, E605-17	3.9	35
35	Uniform encapsulation of stable protein nanoparticles produced by spray freezing for the reduction of burst release. <i>Journal of Pharmaceutical Sciences</i> , 2005 , 94, 56-69	3.9	42
34	Rapid dissolution of high-potency danazol particles produced by evaporative precipitation into aqueous solution. <i>Journal of Pharmaceutical Sciences</i> , 2004 , 93, 1867-78	3.9	28
33	Rapid dissolving high potency danazol powders produced by spray freezing into liquid process. <i>International Journal of Pharmaceutics</i> , 2004 , 271, 145-54	6.5	71
32	Spray freezing into liquid nitrogen for highly stable protein nanostructured microparticles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2004 , 58, 529-37	5.7	64
31	Enhanced aqueous dissolution of a poorly water soluble drug by novel particle engineering technology: spray-freezing into liquid with atmospheric freeze-drying. <i>Pharmaceutical Research</i> , 2003 , 20, 485-93	4.5	80
30	Spray freezing into liquid (SFL) particle engineering technology to enhance dissolution of poorly water soluble drugs: organic solvent versus organic/aqueous co-solvent systems. <i>European Journal of Pharmaceutical Sciences</i> , 2003 , 20, 295-303	5.1	107
29	Micronized powders of a poorly water soluble drug produced by a spray-freezing into liquid-emulsion process. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2003 , 55, 161-72	5.7	51
28	Influence of hydroxypropyl methylcellulose polymer on in vitro and in vivo performance of controlled release tablets containing alprazolam. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2003 , 56, 461-8	5.7	19
27	Physical stability of micronized powders produced by spray-freezing into liquid (SFL) to enhance the dissolution of an insoluble drug. <i>Pharmaceutical Development and Technology</i> , 2003 , 8, 187-97	3.4	18
26	Properties of heat-humidity cured cellulose acetate phthalate free films. <i>European Journal of Pharmaceutical Sciences</i> , 2002 , 17, 31-41	5.1	16
25	Enhanced drug dissolution using evaporative precipitation into aqueous solution. <i>International Journal of Pharmaceutics</i> , 2002 , 243, 17-31	6.5	139
24	Preparation of cyclosporine A nanoparticles by evaporative precipitation into aqueous solution. <i>International Journal of Pharmaceutics</i> , 2002 , 242, 3-14	6.5	130
23	A novel particle engineering technology: spray-freezing into liquid. <i>International Journal of Pharmaceutics</i> , 2002 , 242, 93-100	6.5	111

22	Investigation of excipient type and level on drug release from controlled release tablets containing HPMC. <i>Pharmaceutical Development and Technology</i> , 2002 , 7, 181-93	3.4	63
21	Improvement of dissolution rates of poorly water soluble APIs using novel spray freezing into liquid technology. <i>Pharmaceutical Research</i> , 2002 , 19, 1278-84	4.5	93
20	Long-term stability of heat-humidity cured cellulose acetate phthalate coated beads. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2002 , 53, 167-73	5.7	14
19	Preparation and characterization of microparticles containing peptide produced by a novel process: spray freezing into liquid. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2002 , 54, 221-8	5.7	72
18	A novel particle engineering technology to enhance dissolution of poorly water soluble drugs: spray-freezing into liquid. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2002 , 54, 271-80	5.7	114
17	Solution-based particle formation of pharmaceutical powders by supercritical or compressed fluid CO ₂ and cryogenic spray-freezing technologies. <i>Drug Development and Industrial Pharmacy</i> , 2001 , 27, 1003-15	3.6	113
16	The influence of plasticizer on heat-humidity curing of cellulose acetate phthalate coated beads. <i>Pharmaceutical Development and Technology</i> , 2001 , 6, 607-19	3.4	13
15	Moisture uptake and its influence on pressurized metered-dose inhalers. <i>Pharmaceutical Development and Technology</i> , 2000 , 5, 153-62	3.4	19
14	Influence of processing and curing conditions on beads coated with an aqueous dispersion of cellulose acetate phthalate. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2000 , 49, 243-52	5.7	49
13	Influence of micronization method on the performance of a suspension triamcinolone acetonide pressurized metered-dose inhaler formulation. <i>Pharmaceutical Development and Technology</i> , 1999 , 4, 167-79	3.4	33
12	Formulation of a protein with propellant HFA 134a for aerosol delivery. <i>European Journal of Pharmaceutical Sciences</i> , 1999 , 7, 137-44	5.1	29
11	Influence of formulation technique for hydroxypropyl-beta-cyclodextrin on the stability of aspirin in HFA 134a. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 1999 , 47, 145-52	5.7	13
10	Application of co-grinding to formulate a model pMDI suspension. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 1999 , 48, 131-40	5.7	12
9	Influence of formulation additives on the vapor pressure of hydrofluoroalkane propellants. <i>International Journal of Pharmaceutics</i> , 1998 , 166, 99-103	6.5	27
8	Investigation of a pMDI system containing chitosan microspheres and P134a. <i>International Journal of Pharmaceutics</i> , 1998 , 174, 209-222	6.5	35
7	Characterization of an inclusion complex of cholesterol and hydroxypropyl-beta-cyclodextrin. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 1998 , 46, 355-60	5.7	121
6	A study of an epoxy aerosol can lining exposed to hydrofluoroalkane propellants. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 1997 , 44, 195-203	5.7	2
5	Influence of metering chamber volume and water level on the emitted dose of a suspension-based pMDI containing propellant 134a. <i>Pharmaceutical Research</i> , 1997 , 14, 438-43	4.5	14

4	Compaction properties of microcrystalline cellulose and sodium sulfathiazole in combination with talc or magnesium stearate. <i>Journal of Pharmaceutical Sciences</i> , 1989 , 78, 1025-34	3.9	15
3	Development of Remdesivir as a Dry Powder for Inhalation by Thin Film Freezing		1
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