Stephen W Hoag

List of Publications by Year
in descending order

78 papers	2,901 citations	279798 23 h-index	182427 51 g-index
79 all docs	79 docs citations	79 times ranked	3087 citing authors

#	Article	IF	Citations
1	Cholecalciferol complexation with hydroxypropyl-Î²-cyclodextrin (HPBCD) and its molecular dynamics simulation. Pharmaceutical Development and Technology, 2022, 27, 389-398.	2.4	5
2	A method for the tribological assessment of oral pharmaceutical liquids. Drug Development and Industrial Pharmacy, 2022, 48, 198-210.	2.0	1
3	Formulation of smokeless tobacco products with a wide range of pH to study nicotine pharmacokinetics and pharmacodynamics. Pharmaceutical Development and Technology, 2022, 27, 646-653.	2.4	1
4	Evaluation of tableting performance of Poly (ethylene oxide) in abuse-deterrent formulations using compaction simulation studies. Journal of Pharmaceutical Sciences, 2021, 110, 2789-2799.	3.3	11
5	Effects of compaction and storage conditions on stability of intravenous immunoglobulin â€“ Implication on developing oral tablets of biologics. International Journal of Pharmaceutics, 2021, 604, 120737.	5.2	3
6	Pediatric formulation development â€“ Challenges of today and strategies for tomorrow: Summary report from Mâ^'CERSI workshop 2019. European Journal of Pharmaceutics and Biopharmaceutics, 2021, 164, 54-65.	4.3	6
7	Application of near-infrared spectroscopy in detecting residual crystallinity in carbamazepine â€“ SoluplusÂ® solid dispersions prepared with solvent casting and hot-melt extrusion. Journal of Drug Delivery Science and Technology, 2021, 65, 102713.	3.0	3
8	An Extract of Taro (Colocasia esculenta) Mediates Potent Inhibitory Actions on Metastatic and Cancer Stem Cells by Tumor Cell-Autonomous and Immune-Dependent Mechanisms. Breast Cancer: Basic and Clinical Research, 2021, 15, 117822342110349.	1.1	5
9	Spray layering of human immunoglobulin G: Optimization of formulation and process parameters. International Journal of Pharmaceutics, 2021, 610, 121238.	5.2	4
10	Understanding the impact of magnesium stearate variability on tableting performance using a multivariate modeling approach. Pharmaceutical Development and Technology, 2020, 25, 76-88.	2.4	6
11	The effects of spray drying, HPMCAS grade, and compression speed on the compaction properties of itraconazole-HPMCAS spray dried dispersions. European Journal of Pharmaceutical Sciences, 2020, 155, 105556.	4.0	12
12	3D Nanoprinted Liquid-Core-Shell Microparticles. Journal of Microelectromechanical Systems, 2020, 29, 924-929.	2.5	8
13	L-Tetrahydropalmatine, a Novel Dopamine Antagonist, Fails to Improve Psychiatric Symptoms as Adjunctive Treatment for Schizophrenia. Schizophrenia Bulletin Open, 2020, 1, .	1.7	0
14	In Vitro Gastrointestinal Digestion of Palm Olein and Palm Stearin-in-Water Emulsions with Different Physical States and Fat Contents. Journal of Agricultural and Food Chemistry, 2020, 68, 7062-7071.	5.2	20
15	Physical Barrier Type Abuse-Deterrent Formulations: Mechanistic Understanding of Sintering-Induced Microstructural Changes in Polyethylene Oxide Placebo Tablets. AAPS PharmSciTech, 2020, 21, 86.	3.3	5
16	Probing Thermal Stability of Proteins with Temperature Scanning Viscometer. Molecular Pharmaceutics, 2019, 16, 3687-3693.	4.6	16
17	Open-label dose-extending placebos for opioid use disorder: a protocol for a randomised controlled clinical trial with methadone treatment. BMJ Open, 2019, 9, e026604.	1.9	12
18	Utility of Films to Anticipate Effect of Drug Load and Polymer on Dissolution Performance from Tablets of Amorphous Itraconazole Spray-Dried Dispersions. AAPS PharmSciTech, 2019, 20, 331.	3.3	14

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19	Standardization of In Vitro Testing During Development of Abuseâ€Deterrent Opioids: Highlights From the Second and Third Category 1 Focus Group Meetings. Pain Practice, 2019, 19, 580-585.	1.9	0
20	Elucidating the Variability of Magnesium Stearate and the Correlations With Its Spectroscopic Features. Journal of Pharmaceutical Sciences, 2019, 108, 1569-1580.	3.3	4
21	Decision Support for Excipient Risk Assessment in Pharmaceutical Manufacturing. AAPS PharmSciTech, 2019, 20, 223.	3.3	7
22	Prediction of Dissolution of Sustained Release Coated Ciprofloxacin Beads Using Near-infrared Spectroscopy and Process Parameters: a Data Fusion Approach. AAPS PharmSciTech, 2019, 20, 222.	3.3	10
23	Impact of formulation excipients on the thermal, mechanical, and electrokinetic properties of hydroxypropyl methylcellulose acetate succinate (HPMCAS). International Journal of Pharmaceutics, 2018, 542, 132-141.	5.2	12
24	Developing a stable aqueous enteric coating formulation with hydroxypropyl methylcellulose acetate succinate (HPMCAS-MF) and colloidal silicon dioxide as anti-tacking agent. International Journal of Pharmaceutics, 2018, 542, 108-116.	5.2	6
25	Investigation of Polymer/Surfactant Interactions and Their Impact on Itraconazole Solubility and Precipitation Kinetics for Developing Spray-Dried Amorphous Solid Dispersions. Molecular Pharmaceutics, 2018, 15, 962-974.	4.6	57
26	In Vitro Assessment of Nasal Insufflation of Comminuted Drug Products Designed as Abuse Deterrent Using the Vertical Diffusion Cell. AAPS PharmSciTech, 2018, 19, 1744-1757.	3.3	13
27	Early detection of capping risk in pharmaceutical compacts. International Journal of Pharmaceutics, 2018, 553, 338-348.	5.2	14
28	Comparing a Statistical Model and Bayesian Approach to Establish the Design Space for the Coating of Ciprofloxacin HCl Beads at Different Scales of Production. AAPS PharmSciTech, 2018, 19, 3809-3828.	3.3	2
29	Physical barrier type abuse-deterrent formulations: monitoring sintering-induced microstructural changes in polyethylene oxide placebo tablets by near infrared spectroscopy (NIRS). Drug Development and Industrial Pharmacy, 2018, 44, 1885-1894.	2.0	5
30	A Multiparticulate Delivery System for Potential Colonic Targeting Using Bovine Serum Albumin as a Model Protein. Pharmaceutical Research, 2017, 34, 2663-2674.	3.5	11
31	Lubricant-Sensitivity Assessment of SPRESSÂ® B820 by Near-Infrared Spectroscopy: A Comparison of Multivariate Methods. Journal of Pharmaceutical Sciences, 2017, 106, 537-545.	3.3	8
32	A Systematic Approach of Employing Quality by Design Principles: Risk Assessment and Design of Experiments to Demonstrate Process Understanding and Identify the Critical Process Parameters for Coating of the Ethylcellulose Pseudolatex Dispersion Using Non-Conventional Fluid Bed Process. AAPS PharmSciTech, 2017, 18, 1135-1157.	3.3	9
33	Development and In Vivo Evaluation of a Novel Histatin-5 Bioadhesive Hydrogel Formulation against Oral Candidiasis. Antimicrobial Agents and Chemotherapy, 2016, 60, 881-889.	3.2	39
34	Quality-by-Design II: Application of Quantitative Risk Analysis to the Formulation of Ciprofloxacin Tablets. AAPS PharmSciTech, 2016, 17, 233-244.	3.3	12
35	To investigate the influence of machine operating variables on formulations derived from lactose types in capsule filling: part 2. Drug Development and Industrial Pharmacy, 2016, 42, 624-635.	2.0	2
36	Application of Multivariate Strategies to the Classification of Pharmaceutical Excipient Manufacturers Based on Near-Infrared (NIR) Spectra. Applied Spectroscopy, 2015, 69, 1257-1270.	2.2	7

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37	Intranasal scopolamine affects the semicircular canals centrally and peripherally. Journal of Applied Physiology, 2015, 119, 213-218.	2.5	12
38	Restricted sedation and absence of cognitive impairments after administration of intranasal scopolamine. Journal of Psychopharmacology, 2015, 29, 1231-1235.	4.0	8
39	Quality-by-Design III: Application of Near-Infrared Spectroscopy to Monitor Roller Compaction In-process and Product Quality Attributes of Immediate Release Tablets. AAPS PharmSciTech, 2015, 16, 202-216.	3.3	13
40	Near-infrared spectroscopic analysis of the breaking force of extended-release matrix tablets prepared by roller-compaction: influence of plasticizer levels and sintering temperature. Drug Development and Industrial Pharmacy, 2015, 41, 898-905.	2.0	10
41	Analysis of curing of a sustained release coating formulation by application of NIR spectroscopy to monitor changes associated with glyceryl monostearate. Drug Development and Industrial Pharmacy, 2015, 41, 1263-1273.	2.0	3
42	Novel extraction and application of okra gum as a film coating agent using theophylline as a model drug. Journal of Advanced Pharmaceutical Technology and Research, 2014, 5, 70.	1.0	12
43	Understanding Pharmaceutical Quality by Design. AAPS Journal, 2014, 16, 771-783.	4.4	846
44	Formulation and Characterization of Orally Dissolving Thin Films containing the German cockroach (Bla g 2) Allergen. International Journal of Pharma Sciences, 2014, 4, 730-735.	0.0	0
45	Plasticizer Effects on Physicalâ€“Mechanical Properties of Solvent Cast SoluplusÂ® Films. AAPS PharmSciTech, 2013, 14, 903-910.	3.3	161
46	Analysis of curing of a sustained release coating formulation by application of NIR spectroscopy to monitor changes physicalâ€“mechanical properties. International Journal of Pharmaceutics, 2013, 452, 82-91.	5.2	15
47	Application of in-line near infrared spectroscopy and multivariate batch modeling for process monitoring in fluid bed granulation. International Journal of Pharmaceutics, 2013, 452, 63-72.	5.2	55
48	Investigation of the physicalâ€“mechanical properties of Eudragit^{Â®}RS PO/RL PO and their mixtures with common pharmaceutical excipients. Drug Development and Industrial Pharmacy, 2013, 39, 1113-1125.	2.0	16
49	Quality by Design I: Application of Failure Mode Effect Analysis (FMEA) and Plackettâ€“Burman Design of Experiments in the Identification of â€œMain Factorsâ€•in the Formulation and Process Design Space for Roller-Compacted Ciprofloxacin Hydrochloride Immediate-Release Tablets. AAPS PharmSciTech, 2012, 13, 1243-1254.	3.3	87
50	Eudragit^{Â®}RS PO/RL PO as rate-controlling matrix-formers via roller compaction: Influence of formulation and process variables on functional attributes of granules and tablets. Drug Development and Industrial Pharmacy, 2012, 38, 1240-1253.	2.0	17
51	NIR Spectroscopy Applications in the Development of a Compacted Multiparticulate System for Modified Release. AAPS PharmSciTech, 2011, 12, 262-278.	3.3	29
52	Assessment of the critical factors affecting the porosity of roller compacted ribbons and the feasibility of using NIR chemical imaging to evaluate the porosity distribution. International Journal of Pharmaceutics, 2011, 410, 1-8.	5.2	58
53	Influence of Solute Charge and Hydrophobicity on Partitioning and Diffusion in a Genetically Engineered Silkâ€Elastinâ€Like Protein Polymer Hydrogel. Macromolecular Bioscience, 2010, 10, 1235-1247.	4.1	22
54	Evaluation of the mechanical properties of extrusion-spheronized beads and multiparticulate systems. Drug Development and Industrial Pharmacy, 2009, 35, 683-693.	2.0	5

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55	Formulation and Characterization of a Compacted Multiparticulate System for Modified Release of Water-Soluble Drugs â€“ Part 1 Acetaminophen. Drug Development and Industrial Pharmacy, 2009, 35, 337-351.	2.0	12
56	Formulation and Characterization of a Compacted Multiparticulate System for Modified Release of Water-Soluble Drugsâ€”Part II Theophylline and Cimetidine. Drug Development and Industrial Pharmacy, 2009, 35, 568-582.	2.0	9
57	Sustained release dosage forms dissolution behavior prediction: A study of matrix tablets using NIR spectroscopy. International Journal of Pharmaceutics, 2009, 382, 1-6.	5.2	56
58	Quality by Design, Part I: Application of NIR Spectroscopy to Monitor Tablet Manufacturing Process. Journal of Pharmaceutical Sciences, 2008, 97, 4040-4051.	3.3	52
59	Quality by Design, Part II: Application of NIR Spectroscopy to Monitor the Coating Process for a Pharmaceutical Sustained Release Product. Journal of Pharmaceutical Sciences, 2008, 97, 4052-4066.	3.3	50
60	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.	3.3	44
61	Quality by Design, Part III: Study of Curing Process of Sustained Release Coated Products using NIR Spectroscopy. Journal of Pharmaceutical Sciences, 2008, 97, 4067-4086.	3.3	25
62	Evaluation of the deformation behavior of binary systems of methacrylic acid copolymers and hydroxypropyl methylcellulose using a compaction simulator. International Journal of Pharmaceutics, 2008, 348, 46-53.	5.2	20
63	Microenvironmental pH Modulation Based Release Enhancement of a Weakly Basic Drug from Hydrophilic Matrices**This work was presented in-part at the 31st Annual Controlled Release Society meeting in Honolulu, Hawaii (June 2004).. Journal of Pharmaceutical Sciences, 2006, 95, 1459-1468.	3.3	71
64	Assessment of NIR spectroscopy for nondestructive analysis of physical and chemical attributes of sulfamethazine bolus dosage forms. AAPS PharmSciTech, 2005, 6, E91-E99.	3.3	35
65	Influence of methacrylic and acrylic acid polymers on the release performance of weakly basic drugs from sustained release hydrophilic matrices. Journal of Pharmaceutical Sciences, 2004, 93, 2319-2331.	3.3	67
66	Characterization of Excipient and Tableting Factors That Influence Folic Acid Dissolution, Friability, and Breaking Strength of Oil- and Water-Soluble Multivitamin with Minerals Tablets. Drug Development and Industrial Pharmacy, 2003, 29, 1137-1147.	2.0	21
67	Solute diffusion in genetically engineered silkâ€“elastinlike protein polymer hydrogels. Journal of Controlled Release, 2002, 82, 277-287.	9.9	84
68	Characterization of the thermal properties of microcrystalline cellulose by modulated temperature differential scanning calorimetry. Journal of Pharmaceutical Sciences, 2002, 91, 342-349.	3.3	57
69	Influence of polyethylene glycol and povidone on the polymorphic transformation and solubility of carbamazepine. International Journal of Pharmaceutics, 2002, 240, 11-22.	5.2	77
70	Swelling behavior of a genetically engineered silk-elastinlike protein polymer hydrogel. Biomaterials, 2002, 23, 4203-4210.	11.4	116
71	Characterization of the interactions between polymethacrylateâ€based aqueous polymeric dispersions and aluminum lakes. Journal of Pharmaceutical Sciences, 2001, 90, 1937-1947.	3.3	16
72	The Influence of Excipients on the Stability of the Moisture Sensitive Drugs Aspirin and Niacinamide: Comparison of Tablets Containing Lactose Monohydrate with Tablets Containing Anhydrous Lactose. Pharmaceutical Development and Technology, 2001, 6, 159-166.	2.4	35

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73	Influence of various drugs on the glass transition temperature of poly(vinylpyrrolidone): a thermodynamic and spectroscopic investigation. International Journal of Pharmaceutics, 2001, 225, 83-96.	5.2	194
74	Assessment of polymer-polymer interactions in blends of HPMC and film forming polymers by modulated temperature differential scanning calorimetry. , 2000, 17, 625-631.		81
75	Bead Compacts. II. Evaluation of Rapidly Disintegrating Nonsegregating Compressed Bead Formulations. Drug Development and Industrial Pharmacy, 1999, 25, 635-642.	2.0	15
76	Powder Densification. 2. Viscoelastic Material Properties in Modeling the Uniaxial Compaction of Powders. Journal of Pharmaceutical Sciences, 1998, 87, 909-916.	3.3	5
77	Bead Compacts. I. Effect of Compression on Maintenance of Polymer Coat Integrity in Multilayered Bead Formulations. Drug Development and Industrial Pharmacy, 1998, 24, 737-746.	2.0	26
78	Theory of force transducer design optimization for die wall stress measurement during tablet compaction: optimization and validation of split-web die using finite element analysis. Pharmaceutical Research, 1997, 14, 1161-1170.	3.5	11