Qi Zhou

List of Publications by Year in descending order

58 papers	2,717 citations	172207 29 h-index	182168 51 g-index
59 all docs	59 docs citations	59 times ranked	2453 citing authors

#	Article	IF	Citations
1	Correlative proteomics identify the key roles of stress tolerance strategies in Acinetobacter baumannii in response to polymyxin and human macrophages. PLoS Pathogens, 2022, 18, e1010308.	2.1	6
2	An LC-MS/MS method for simultaneous analysis of the cystic fibrosis therapeutic drugs colistin, ivacaftor and ciprofloxacin. Journal of Pharmaceutical Analysis, 2021, 11, 732-738.	2.4	13
3	Rescuing the Last-Line Polymyxins: Achievements and Challenges. Pharmacological Reviews, 2021, 73, 679-728.	7.1	167
4	In vitro evaluation of drug delivery behavior for inhalable amorphous nanoparticle formulations in a human lung epithelial cell model. International Journal of Pharmaceutics, 2021, 596, 120211.	2.6	7
5	Pharmaceutical protein solids: Drying technology, solid-state characterization and stability. Advanced Drug Delivery Reviews, 2021, 172, 211-233.	6.6	32
6	Effect of Storage Humidity on Physical Stability of Spray-Dried Naproxen Amorphous Solid Dispersions with Polyvinylpyrrolidone: Two Fluid Nozzle vs. Three Fluid Nozzle. Pharmaceutics, 2021, 13, 1074.	2.0	5
7	Advances in solid formulation of pharmaceutical biologics. Advanced Drug Delivery Reviews, 2021, 175, 113827.	6.6	0
8	Pharmaceutical amorphous solid dispersion: A review of manufacturing strategies. Acta Pharmaceutica Sinica B, 2021, 11, 2505-2536.	5.7	182
9	Physicochemical and Pharmacokinetic Evaluation of Spray-Dried Coformulation of Salvia miltiorrhiza Polyphenolic Acid and L-Leucine with Improved Bioavailability. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2020, 33, 73-82.	0.7	12
10	Surface Composition and Aerosolization Stability of an Inhalable Combinational Powder Formulation Spray Dried Using a Three-Fluid Nozzle. Pharmaceutical Research, 2020, 37, 219.	1.7	4
11	Physical stability and release properties of lumefantrine amorphous solid dispersion granules prepared by a simple solvent evaporation approach. International Journal of Pharmaceutics: X, 2020, 2, 100052.	1.2	17
12	Dry powder aerosol containing muco-inert particles for excipient enhanced growth pulmonary drug delivery. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 29, 102262.	1.7	11
13	Physical Stability and Dissolution of Lumefantrine Amorphous Solid Dispersions Produced by Spray Anti-Solvent Precipitation. Journal of Pharmaceutical Sciences, 2020, 110, 2423-2431.	1.6	26
14	Correlations between surface composition and aerosolization of jet-milled dry powder inhaler formulations with pharmaceutical lubricants. International Journal of Pharmaceutics, 2019, 568, 118504.	2.6	35
15	Evaluation of co-delivery of colistin and ciprofloxacin in liposomes using an in vitro human lung epithelial cell model. International Journal of Pharmaceutics, 2019, 569, 118616.	2.6	23
16	Metabolomics Study of the Synergistic Killing of Polymyxin B in Combination with Amikacin against Polymyxin-Susceptible and -Resistant Pseudomonas aeruginosa. Antimicrobial Agents and Chemotherapy, 2019, 64, .	1.4	28
17	Pharmacokinetics of salvianolic acid B, rosmarinic acid and Danshensu in rat after pulmonary administration of Salvia miltiorrhiza polyphenolic acid solution. Biomedical Chromatography, 2019, 33, e4561.	0.8	24
18	Effects of the antibiotic component on in-vitro bacterial killing, physico-chemical properties, aerosolization and dissolution of a ternary-combinational inhalation powder formulation of antibiotics for pan-drug resistant Gram-negative lung infections. International Journal of Pharmaceutics, 2019, 561, 102-113.	2.6	11

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19	Influence of excipients on physical and aerosolization stability of spray dried high-dose powder formulations for inhalation. International Journal of Pharmaceutics, 2018, 544, 222-234.	2.6	83
20	Physico-Chemical Properties, Aerosolization and Dissolution of Co-Spray Dried Azithromycin Particles with L-Leucine for Inhalation. Pharmaceutical Research, 2018, 35, 28.	1.7	62
21	Effects of Moisture-Induced Crystallization on the Aerosol Performance of Spray Dried Amorphous Ciprofloxacin Powder Formulations. Pharmaceutical Research, 2018, 35, 7.	1.7	39
22	Dry powder inhaler formulations of poorly water-soluble itraconazole: A balance between in-vitro dissolution and in-vivo distribution is necessary. International Journal of Pharmaceutics, 2018, 551, 103-110.	2.6	15
23	Composite particle formulations of colistin and meropenem with improved in-vitro bacterial killing and aerosolization for inhalation. International Journal of Pharmaceutics, 2018, 548, 443-453.	2.6	20
24	Co-Delivery of Ciprofloxacin and Colistin in Liposomal Formulations with Enhanced In Vitro Antimicrobial Activities against Multidrug Resistant Pseudomonas aeruginosa. Pharmaceutical Research, 2018, 35, 187.	1.7	37
25	Stability of pharmaceutical salts in solid oral dosage forms. Drug Development and Industrial Pharmacy, 2017, 43, 1215-1228.	0.9	40
26	Pulmonary delivery of nanoparticle chemotherapy for the treatment of lung cancers: challenges and opportunities. Acta Pharmacologica Sinica, 2017, 38, 782-797.	2.8	196
27	Effects of Coating Materials and Processing Conditions on Flow Enhancement of Cohesive Acetaminophen Powders by High-Shear Processing With Pharmaceutical Lubricants. Journal of Pharmaceutical Sciences, 2017, 106, 3022-3032.	1.6	13
28	Aerosolized Polymyxin B for Treatment of Respiratory Tract Infections: Determination of Pharmacokinetic-Pharmacodynamic Indices for Aerosolized Polymyxin B against Pseudomonas aeruginosa in a Mouse Lung Infection Model. Antimicrobial Agents and Chemotherapy, 2017, 61, .	1.4	41
29	Investigation of L-leucine in reducing the moisture-induced deterioration of spray-dried salbutamol sulfate power for inhalation. International Journal of Pharmaceutics, 2017, 530, 30-39.	2.6	46
30	Single-step Coprocessing of Cohesive Powder via Mechanical Dry Coating for Direct Tablet Compression. Journal of Pharmaceutical Sciences, 2017, 106, 159-167.	1.6	29
31	How Much Surface Coating of Hydrophobic Azithromycin Is Sufficient to Prevent Moisture-Induced Decrease in Aerosolisation of Hygroscopic Amorphous Colistin Powder?. AAPS Journal, 2016, 18, 1213-1224.	2.2	42
32	Understanding the Different Effects of Inhaler Design on the Aerosol Performance of Drug-Only and Carrier-Based DPI Formulations. Part 1: Grid Structure. AAPS Journal, 2016, 18, 1159-1167.	2.2	14
33	An â€œUnlikelyâ€•Pair: The Antimicrobial Synergy of Polymyxin B in Combination with the Cystic Fibrosis Transmembrane Conductance Regulator Drugs KALYDECO and ORKAMBI. ACS Infectious Diseases, 2016, 2, 478-488.	1.8	80
34	Investigation of the Changes in Aerosolization Behavior Between the Jet-Milled and Spray-Dried Colistin Powders Through Surface Energy Characterization. Journal of Pharmaceutical Sciences, 2016, 105, 1156-1163.	1.6	27
35	Pulmonary Delivery of the Kv1.3-Blocking Peptide HsTX1[R14A] for the Treatment of Autoimmune Diseases. Journal of Pharmaceutical Sciences, 2016, 105, 650-656.	1.6	27
36	Pulmonary Delivery of Antibiotics for Respiratory Infections. , 2016, , 131-150.		0

#	Article	IF	Citations
37	Editorial (Thematic Issue: Emerging Formulation Design and Drug Delivery Systems for Inhaled) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.9	0
38	Editorial (Thematic Issue: Advances in Particle Engineering and Powder Technology for) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (Ph	0.9	0
39	Novel Inhaled Combination Powder Containing Amorphous Colistin and Crystalline Rifapentine with Enhanced Antimicrobial Activities against Planktonic Cells and Biofilm of Pseudomonas aeruginosa for Respiratory Infections. Molecular Pharmaceutics, 2015, 12, 2594-2603.	2.3	23
40	Influence of coating material on the flowability and dissolution of dry-coated fine ibuprofen powders. European Journal of Pharmaceutical Sciences, 2015, 78, 264-272.	1.9	38
41	Investigation of the potential for direct compaction of a fine ibuprofen powder dry-coated with magnesium stearate. Drug Development and Industrial Pharmacy, 2015, 41, 825-837.	0.9	35
42	Inhaled anti-infective chemotherapy for respiratory tract infections: Successes, challenges and the road ahead. Advanced Drug Delivery Reviews, 2015, 85, 65-82.	6.6	75
43	Inhaled formulations and pulmonary drug delivery systems for respiratory infections. Advanced Drug Delivery Reviews, 2015, 85, 83-99.	6.6	198
44	Powder Production and Particle Engineering for Dry Powder Inhaler Formulations. Current Pharmaceutical Design, 2015, 21, 3902-3916.	0.9	69
45	Particle Engineering Via Mechanical Dry Coating in the Design of Pharmaceutical Solid Dosage Forms. Current Pharmaceutical Design, 2015, 21, 5802-5814.	0.9	23
46	Emerging inhalation aerosol devices and strategies: Where are we headed?. Advanced Drug Delivery Reviews, 2014, 75, 3-17.	6.6	160
47	Synergistic Antibiotic Combination Powders of Colistin and Rifampicin Provide High Aerosolization Efficiency and Moisture Protection. AAPS Journal, 2014, 16, 37-47.	2.2	69
48	Effect of Surface Coating with Magnesium Stearate via Mechanical Dry Powder Coating Approach on the Aerosol Performance of Micronized Drug Powders from Dry Powder Inhalers. AAPS PharmSciTech, 2013, 14, 38-44.	1.5	53
49	Colistin Powders with High Aerosolisation Efficiency for Respiratory Infection: Preparation and In Vitro Evaluation. Journal of Pharmaceutical Sciences, 2013, 102, 3736-3747.	1.6	49
50	Drugâ€“lactose binding aspects in adhesive mixtures: Controlling performance in dry powder inhaler formulations by altering lactose carrier surfaces. Advanced Drug Delivery Reviews, 2012, 64, 275-284.	6.6	95
51	Ultrafine wool powders and their bulk properties. Powder Technology, 2012, 224, 183-188.	2.1	31
52	Use of surface energy distributions by inverse gas chromatography to understand mechanofusion processing and functionality of lactose coated with magnesium stearate. European Journal of Pharmaceutical Sciences, 2011, 43, 325-333.	1.9	42
53	Characterization of the surface properties of a model pharmaceutical fine powder modified with a pharmaceutical lubricant to improve flow via a mechanical dry coating approach. Journal of Pharmaceutical Sciences, 2011, 100, 3421-3430.	1.6	73
54	Investigation of the extent of surface coating via mechanofusion with varying additive levels and the influences on bulk powder flow properties. International Journal of Pharmaceutics, 2011, 413, 36-43.	2.6	61

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55	Effect of mechanical dry particle coating on the improvement of powder flowability for lactose monohydrate: A model cohesive pharmaceutical powder. Powder Technology, 2011, 207, 414-421.	2.1	54
56	Effect of host particle size on the modification of powder flow behaviours for lactose monohydrate following dry coating. Dairy Science and Technology, 2010, 90, 237-251.	2.2	18
57	Improving Powder Flow Properties of a Cohesive Lactose Monohydrate Powder by Intensive Mechanical Dry Coating. Journal of Pharmaceutical Sciences, 2010, 99, 969-981.	1.6	88
58	Analysis of the influence of relative humidity on the moisture sorption of particles and the aerosolization process in a dry powder inhaler. Journal of Aerosol Science, 2008, 39, 510-524.	1.8	49