

Qi Zhou

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

2,717
citations

172207

29
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182168

51
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59
all docs

59
docs citations

59
times ranked

2453
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Inhaled formulations and pulmonary drug delivery systems for respiratory infections. <i>Advanced Drug Delivery Reviews</i> , 2015, 85, 83-99. | 6.6 | 198 |
| 2 | Pulmonary delivery of nanoparticle chemotherapy for the treatment of lung cancers: challenges and opportunities. <i>Acta Pharmacologica Sinica</i> , 2017, 38, 782-797. | 2.8 | 196 |
| 3 | Pharmaceutical amorphous solid dispersion: A review of manufacturing strategies. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 2505-2536. | 5.7 | 182 |
| 4 | Rescuing the Last-Line Polymyxins: Achievements and Challenges. <i>Pharmacological Reviews</i> , 2021, 73, 679-728. | 7.1 | 167 |
| 5 | Emerging inhalation aerosol devices and strategies: Where are we headed?. <i>Advanced Drug Delivery Reviews</i> , 2014, 75, 3-17. | 6.6 | 160 |
| 6 | Drug-lactose binding aspects in adhesive mixtures: Controlling performance in dry powder inhaler formulations by altering lactose carrier surfaces. <i>Advanced Drug Delivery Reviews</i> , 2012, 64, 275-284. | 6.6 | 95 |
| 7 | Improving Powder Flow Properties of a Cohesive Lactose Monohydrate Powder by Intensive Mechanical Dry Coating. <i>Journal of Pharmaceutical Sciences</i> , 2010, 99, 969-981. | 1.6 | 88 |
| 8 | Influence of excipients on physical and aerosolization stability of spray dried high-dose powder formulations for inhalation. <i>International Journal of Pharmaceutics</i> , 2018, 544, 222-234. | 2.6 | 83 |
| 9 | An "Unlikely" Pair: The Antimicrobial Synergy of Polymyxin B in Combination with the Cystic Fibrosis Transmembrane Conductance Regulator Drugs KALYDECO and ORKAMBI. <i>ACS Infectious Diseases</i> , 2016, 2, 478-488. | 1.8 | 80 |
| 10 | Inhaled anti-infective chemotherapy for respiratory tract infections: Successes, challenges and the road ahead. <i>Advanced Drug Delivery Reviews</i> , 2015, 85, 65-82. | 6.6 | 75 |
| 11 | 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. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 3421-3430. | 1.6 | 73 |
| 12 | Synergistic Antibiotic Combination Powders of Colistin and Rifampicin Provide High Aerosolization Efficiency and Moisture Protection. <i>AAPS Journal</i> , 2014, 16, 37-47. | 2.2 | 69 |
| 13 | Powder Production and Particle Engineering for Dry Powder Inhaler Formulations. <i>Current Pharmaceutical Design</i> , 2015, 21, 3902-3916. | 0.9 | 69 |
| 14 | Physico-Chemical Properties, Aerosolization and Dissolution of Co-Spray Dried Azithromycin Particles with L-Leucine for Inhalation. <i>Pharmaceutical Research</i> , 2018, 35, 28. | 1.7 | 62 |
| 15 | Investigation of the extent of surface coating via mechanofusion with varying additive levels and the influences on bulk powder flow properties. <i>International Journal of Pharmaceutics</i> , 2011, 413, 36-43. | 2.6 | 61 |
| 16 | Effect of mechanical dry particle coating on the improvement of powder flowability for lactose monohydrate: A model cohesive pharmaceutical powder. <i>Powder Technology</i> , 2011, 207, 414-421. | 2.1 | 54 |
| 17 | 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. <i>AAPS PharmSciTech</i> , 2013, 14, 38-44. | 1.5 | 53 |
| 18 | Analysis of the influence of relative humidity on the moisture sorption of particles and the aerosolization process in a dry powder inhaler. <i>Journal of Aerosol Science</i> , 2008, 39, 510-524. | 1.8 | 49 |

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|----|---|-----|-----------|
| 19 | Colistin Powders with High Aerosolisation Efficiency for Respiratory Infection: Preparation and In Vitro Evaluation. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 3736-3747. | 1.6 | 49 |
| 20 | Investigation of L-leucine in reducing the moisture-induced deterioration of spray-dried salbutamol sulfate powder for inhalation. <i>International Journal of Pharmaceutics</i> , 2017, 530, 30-39. | 2.6 | 46 |
| 21 | Use of surface energy distributions by inverse gas chromatography to understand mechanofusion processing and functionality of lactose coated with magnesium stearate. <i>European Journal of Pharmaceutical Sciences</i> , 2011, 43, 325-333. | 1.9 | 42 |
| 22 | How Much Surface Coating of Hydrophobic Azithromycin Is Sufficient to Prevent Moisture-Induced Decrease in Aerosolisation of Hygroscopic Amorphous Colistin Powder?. <i>AAPS Journal</i> , 2016, 18, 1213-1224. | 2.2 | 42 |
| 23 | Aerosolized Polymyxin B for Treatment of Respiratory Tract Infections: Determination of Pharmacokinetic-Pharmacodynamic Indices for Aerosolized Polymyxin B against <i>Pseudomonas aeruginosa</i> in a Mouse Lung Infection Model. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, . | 1.4 | 41 |
| 24 | Stability of pharmaceutical salts in solid oral dosage forms. <i>Drug Development and Industrial Pharmacy</i> , 2017, 43, 1215-1228. | 0.9 | 40 |
| 25 | Effects of Moisture-Induced Crystallization on the Aerosol Performance of Spray Dried Amorphous Ciprofloxacin Powder Formulations. <i>Pharmaceutical Research</i> , 2018, 35, 7. | 1.7 | 39 |
| 26 | Influence of coating material on the flowability and dissolution of dry-coated fine ibuprofen powders. <i>European Journal of Pharmaceutical Sciences</i> , 2015, 78, 264-272. | 1.9 | 38 |
| 27 | Co-Delivery of Ciprofloxacin and Colistin in Liposomal Formulations with Enhanced In Vitro Antimicrobial Activities against Multidrug Resistant <i>Pseudomonas aeruginosa</i> . <i>Pharmaceutical Research</i> , 2018, 35, 187. | 1.7 | 37 |
| 28 | Investigation of the potential for direct compaction of a fine ibuprofen powder dry-coated with magnesium stearate. <i>Drug Development and Industrial Pharmacy</i> , 2015, 41, 825-837. | 0.9 | 35 |
| 29 | Correlations between surface composition and aerosolization of jet-milled dry powder inhaler formulations with pharmaceutical lubricants. <i>International Journal of Pharmaceutics</i> , 2019, 568, 118504. | 2.6 | 35 |
| 30 | Pharmaceutical protein solids: Drying technology, solid-state characterization and stability. <i>Advanced Drug Delivery Reviews</i> , 2021, 172, 211-233. | 6.6 | 32 |
| 31 | Ultrafine wool powders and their bulk properties. <i>Powder Technology</i> , 2012, 224, 183-188. | 2.1 | 31 |
| 32 | Single-step Coprocessing of Cohesive Powder via Mechanical Dry Coating for Direct Tablet Compression. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 159-167. | 1.6 | 29 |
| 33 | Metabolomics Study of the Synergistic Killing of Polymyxin B in Combination with Amikacin against Polymyxin-Susceptible and -Resistant <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 64, . | 1.4 | 28 |
| 34 | Investigation of the Changes in Aerosolization Behavior Between the Jet-Milled and Spray-Dried Colistin Powders Through Surface Energy Characterization. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 1156-1163. | 1.6 | 27 |
| 35 | Pulmonary Delivery of the Kv1.3-Blocking Peptide HsTX1 [R14A] for the Treatment of Autoimmune Diseases. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 650-656. | 1.6 | 27 |
| 36 | Physical Stability and Dissolution of Lumefantrine Amorphous Solid Dispersions Produced by Spray Anti-Solvent Precipitation. <i>Journal of Pharmaceutical Sciences</i> , 2020, 110, 2423-2431. | 1.6 | 26 |

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|----|--|-----|-----------|
| 37 | Pharmacokinetics of salvianolic acid B, rosmarinic acid and Danshensu in rat after pulmonary administration of <i>Salvia miltiorrhiza</i> polyphenolic acid solution. <i>Biomedical Chromatography</i> , 2019, 33, e4561. | 0.8 | 24 |
| 38 | Novel Inhaled Combination Powder Containing Amorphous Colistin and Crystalline Rifapentine with Enhanced Antimicrobial Activities against Planktonic Cells and Biofilm of <i>Pseudomonas aeruginosa</i> for Respiratory Infections. <i>Molecular Pharmaceutics</i> , 2015, 12, 2594-2603. | 2.3 | 23 |
| 39 | Evaluation of co-delivery of colistin and ciprofloxacin in liposomes using an in vitro human lung epithelial cell model. <i>International Journal of Pharmaceutics</i> , 2019, 569, 118616. | 2.6 | 23 |
| 40 | Particle Engineering Via Mechanical Dry Coating in the Design of Pharmaceutical Solid Dosage Forms. <i>Current Pharmaceutical Design</i> , 2015, 21, 5802-5814. | 0.9 | 23 |
| 41 | Composite particle formulations of colistin and meropenem with improved in-vitro bacterial killing and aerosolization for inhalation. <i>International Journal of Pharmaceutics</i> , 2018, 548, 443-453. | 2.6 | 20 |
| 42 | Effect of host particle size on the modification of powder flow behaviours for lactose monohydrate following dry coating. <i>Dairy Science and Technology</i> , 2010, 90, 237-251. | 2.2 | 18 |
| 43 | Physical stability and release properties of lumefantrine amorphous solid dispersion granules prepared by a simple solvent evaporation approach. <i>International Journal of Pharmaceutics: X</i> , 2020, 2, 100052. | 1.2 | 17 |
| 44 | Dry powder inhaler formulations of poorly water-soluble itraconazole: A balance between in-vitro dissolution and in-vivo distribution is necessary. <i>International Journal of Pharmaceutics</i> , 2018, 551, 103-110. | 2.6 | 15 |
| 45 | Understanding the Different Effects of Inhaler Design on the Aerosol Performance of Drug-Only and Carrier-Based DPI Formulations. Part 1: Grid Structure. <i>AAPS Journal</i> , 2016, 18, 1159-1167. | 2.2 | 14 |
| 46 | Effects of Coating Materials and Processing Conditions on Flow Enhancement of Cohesive Acetaminophen Powders by High-Shear Processing With Pharmaceutical Lubricants. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 3022-3032. | 1.6 | 13 |
| 47 | An LC-MS/MS method for simultaneous analysis of the cystic fibrosis therapeutic drugs colistin, ivacaftor and ciprofloxacin. <i>Journal of Pharmaceutical Analysis</i> , 2021, 11, 732-738. | 2.4 | 13 |
| 48 | Physicochemical and Pharmacokinetic Evaluation of Spray-Dried Coformulation of <i>Salvia miltiorrhiza</i> Polyphenolic Acid and L-Leucine with Improved Bioavailability. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2020, 33, 73-82. | 0.7 | 12 |
| 49 | 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. <i>International Journal of Pharmaceutics</i> , 2019, 561, 102-113. | 2.6 | 11 |
| 50 | Dry powder aerosol containing muco-inert particles for excipient enhanced growth pulmonary drug delivery. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 29, 102262. | 1.7 | 11 |
| 51 | In vitro evaluation of drug delivery behavior for inhalable amorphous nanoparticle formulations in a human lung epithelial cell model. <i>International Journal of Pharmaceutics</i> , 2021, 596, 120211. | 2.6 | 7 |
| 52 | Correlative proteomics identify the key roles of stress tolerance strategies in <i>Acinetobacter baumannii</i> in response to polymyxin and human macrophages. <i>PLoS Pathogens</i> , 2022, 18, e1010308. | 2.1 | 6 |
| 53 | Effect of Storage Humidity on Physical Stability of Spray-Dried Naproxen Amorphous Solid Dispersions with Polyvinylpyrrolidone: Two Fluid Nozzle vs. Three Fluid Nozzle. <i>Pharmaceutics</i> , 2021, 13, 1074. | 2.0 | 5 |
| 54 | Surface Composition and Aerosolization Stability of an Inhalable Combinational Powder Formulation Spray Dried Using a Three-Fluid Nozzle. <i>Pharmaceutical Research</i> , 2020, 37, 219. | 1.7 | 4 |

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|----|--|-----|-----------|
| 55 | Editorial (Thematic Issue: Emerging Formulation Design and Drug Delivery Systems for Inhaled) Tj ETQq1 1 0.784314,rgBT /Oyerlock 10 | 0.9 | 0 |
| 56 | 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 |
| 57 | Advances in solid formulation of pharmaceutical biologics. Advanced Drug Delivery Reviews, 2021, 175, 113827. | 6.6 | 0 |
| 58 | Pulmonary Delivery of Antibiotics for Respiratory Infections. , 2016, , 131-150. | | 0 |