

Henderik Willem Frijlink

List of Publications by Year in descending order

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296
papers

11,612
citations

25034

57
h-index

49909

87
g-index

300
all docs

300
docs citations

300
times ranked

9488
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Inulin, a flexible oligosaccharide I: Review of its physicochemical characteristics. Carbohydrate Polymers, 2015, 130, 405-419. | 10.2 | 331 |
| 2 | How sugars protect proteins in the solid state and during drying (review): Mechanisms of stabilization in relation to stress conditions. European Journal of Pharmaceutics and Biopharmaceutics, 2017, 114, 288-295. | 4.3 | 325 |
| 3 | Dry powder inhalers for pulmonary drug delivery. Expert Opinion on Drug Delivery, 2004, 1, 67-86. | 5.0 | 232 |
| 4 | Technological and practical challenges of dry powder inhalers and formulations. Advanced Drug Delivery Reviews, 2014, 75, 18-31. | 13.7 | 228 |
| 5 | Dry powder inhalation: past, present and future. Expert Opinion on Drug Delivery, 2017, 14, 499-512. | 5.0 | 188 |
| 6 | Development of Stable Influenza Vaccine Powder Formulations: Challenges and Possibilities. Pharmaceutical Research, 2008, 25, 1256-1273. | 3.5 | 171 |
| 7 | Inulin glasses for the stabilization of therapeutic proteins. International Journal of Pharmaceutics, 2001, 215, 163-174. | 5.2 | 156 |
| 8 | A comparison between spray drying and spray freeze drying to produce an influenza subunit vaccine powder for inhalation. Journal of Controlled Release, 2010, 144, 127-133. | 9.9 | 154 |
| 9 | Which shape factor(s) best describe granules?. Powder Technology, 2004, 146, 66-72. | 4.2 | 144 |
| 10 | A novel bottom-up process to produce drug nanocrystals: Controlled crystallization during freeze-drying. Journal of Controlled Release, 2008, 128, 179-183. | 9.9 | 143 |
| 11 | Application of process analytical technology in tablet process development using NIR spectroscopy: Blend uniformity, content uniformity and coating thickness measurements. International Journal of Pharmaceutics, 2008, 357, 108-118. | 5.2 | 142 |
| 12 | Characterization of the molecular distribution of drugs in glassy solid dispersions at the nano-meter scale, using differential scanning calorimetry and gravimetric water vapour sorption techniques. International Journal of Pharmaceutics, 2006, 310, 220-229. | 5.2 | 135 |
| 13 | Pulmonary delivery of an inulin-stabilized influenza subunit vaccine prepared by spray-freeze drying induces systemic, mucosal humoral as well as cell-mediated immune responses in BALB/c mice. Vaccine, 2007, 25, 8707-8717. | 3.8 | 135 |
| 14 | The effect of parenterally administered cyclodextrins on cholesterol levels in the rat. Pharmaceutical Research, 1991, 08, 9-16. | 3.5 | 133 |
| 15 | Inulin, a flexible oligosaccharide. II: Review of its pharmaceutical applications. Carbohydrate Polymers, 2015, 134, 418-428. | 10.2 | 123 |
| 16 | Unraveling protein stabilization mechanisms: Vitrification and water replacement in a glass transition temperature controlled system. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2013, 1834, 763-769. | 2.3 | 122 |
| 17 | Characterization of inhalation aerosols: a critical evaluation of cascade impactor analysis and laser diffraction technique. International Journal of Pharmaceutics, 2002, 249, 219-231. | 5.2 | 121 |
| 18 | The clinical relevance of dry powder inhaler performance for drug delivery. Respiratory Medicine, 2014, 108, 1195-1203. | 2.9 | 115 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | A review of the technical aspects of drug nebulization. <i>International Journal of Clinical Pharmacy</i> , 2000, 22, 75-81. | 1.4 | 112 |
| 20 | Breaking of scored tablets: a review. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2002, 53, 139-145. | 4.3 | 111 |
| 21 | Needle-free influenza vaccination. <i>Lancet Infectious Diseases</i> , The, 2010, 10, 699-711. | 9.1 | 105 |
| 22 | Air classifier technology (ACT) in dry powder inhalation Part 1. Introduction of a novel force distribution concept (FDC) explaining the performance of a basic air classifier on adhesive mixtures. <i>International Journal of Pharmaceutics</i> , 2003, 260, 187-200. | 5.2 | 104 |
| 23 | Size and Molecular Flexibility of Sugars Determine the Storage Stability of Freeze-Dried Proteins. <i>Molecular Pharmaceutics</i> , 2015, 12, 684-694. | 4.6 | 102 |
| 24 | Polymeric formulations for drug release prepared by hot melt extrusion: application and characterization. <i>Drug Discovery Today</i> , 2015, 20, 812-823. | 6.4 | 102 |
| 25 | The choice of a suitable oligosaccharide to prevent aggregation of PEGylated nanoparticles during freeze thawing and freeze drying. <i>International Journal of Pharmaceutics</i> , 2006, 311, 237-244. | 5.2 | 98 |
| 26 | Rational design of an influenza subunit vaccine powder with sugar glass technology: Preventing conformational changes of haemagglutinin during freezing and freeze-drying. <i>Vaccine</i> , 2007, 25, 6447-6457. | 3.8 | 96 |
| 27 | The pharmacokinetics of beta-cyclodextrin and hydroxypropyl-beta-cyclodextrin in the rat. <i>Pharmaceutical Research</i> , 1990, 07, 1248-1252. | 3.5 | 95 |
| 28 | Gastrointestinal pH and Transit Time Profiling in Healthy Volunteers Using the IntelliCap System Confirms Ileo-Colonic Release of ColoPulse Tablets. <i>PLoS ONE</i> , 2015, 10, e0129076. | 2.5 | 95 |
| 29 | Quality by design approach for optimizing the formulation and physical properties of extemporaneously prepared orodispersible films. <i>International Journal of Pharmaceutics</i> , 2015, 485, 70-76. | 5.2 | 87 |
| 30 | Effect of nebulized colistin sulphate and colistin sulphomethate on lung function in patients with cystic fibrosis: a pilot study. <i>Journal of Cystic Fibrosis</i> , 2004, 3, 23-28. | 0.7 | 84 |
| 31 | Dry powder inhalation of colistin in cystic fibrosis patients: A single dose pilot study. <i>Journal of Cystic Fibrosis</i> , 2007, 6, 284-292. | 0.7 | 84 |
| 32 | Bottom-Up Preparation Techniques for Nanocrystals of Lipophilic Drugs. <i>Pharmaceutical Research</i> , 2011, 28, 1220-1223. | 3.5 | 83 |
| 33 | Applications of stable isotopes in clinical pharmacology. <i>British Journal of Clinical Pharmacology</i> , 2011, 72, 879-897. | 2.4 | 79 |
| 34 | Orodispersible films in individualized pharmacotherapy: The development of a formulation for pharmacy preparations. <i>International Journal of Pharmaceutics</i> , 2015, 478, 155-163. | 5.2 | 78 |
| 35 | Improved dissolution behavior of lipophilic drugs by solid dispersions: the production process as starting point for formulation considerations. <i>Expert Opinion on Drug Delivery</i> , 2011, 8, 1121-1140. | 5.0 | 77 |
| 36 | Dry powder inhalation of antibiotics in cystic fibrosis therapy: part 2. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2002, 54, 25-32. | 4.3 | 75 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Compaction mechanism and tablet strength of unlubricated and lubricated (silicified) microcrystalline cellulose. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2005, 59, 133-138. | 4.3 | 75 |
| 38 | Development of a dried influenza whole inactivated virus vaccine for pulmonary immunization. <i>Vaccine</i> , 2011, 29, 4345-4352. | 3.8 | 75 |
| 39 | Air classifier technology (ACT) in dry powder inhalation Part 2. The effect of lactose carrier surface properties on the drug-to-carrier interaction in adhesive mixtures for inhalation. <i>International Journal of Pharmaceutics</i> , 2003, 260, 201-216. | 5.2 | 74 |
| 40 | Anomalous dissolution behaviour of tablets prepared from sugar glass-based solid dispersions. <i>Journal of Controlled Release</i> , 2004, 97, 441-452. | 9.9 | 74 |
| 41 | Pulsatile drug delivery to ileo-colonic segments by structured incorporation of disintegrants in pH-responsive polymer coatings. <i>Journal of Controlled Release</i> , 2008, 132, 91-98. | 9.9 | 74 |
| 42 | Increased podophyllotoxin production in <i>Podophyllum hexandrum</i> cell suspension cultures after feeding coniferyl alcohol as a β -cyclodextrin complex. <i>Plant Cell Reports</i> , 1990, 9, 97-100. | 5.6 | 73 |
| 43 | Design and in vitro performance testing of multiple air classifier technology in a new disposable inhaler concept (Twincer [®]) for high powder doses. <i>European Journal of Pharmaceutical Sciences</i> , 2006, 28, 171-178. | 4.0 | 72 |
| 44 | Oromucosal film preparations: points to consider for patient centricity and manufacturing processes. <i>Expert Opinion on Drug Delivery</i> , 2016, 13, 493-506. | 5.0 | 72 |
| 45 | Unexpected differences in dissolution behavior of tablets prepared from solid dispersions with a surfactant physically mixed or incorporated. <i>International Journal of Pharmaceutics</i> , 2008, 349, 66-73. | 5.2 | 71 |
| 46 | Can "extrafine"™ dry powder aerosols improve lung deposition?. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 96, 143-151. | 4.3 | 71 |
| 47 | Efficacy and Safety of Peppermint Oil in a Randomized, Double-Blind Trial of Patients With Irritable Bowel Syndrome. <i>Gastroenterology</i> , 2020, 158, 123-136. | 1.3 | 69 |
| 48 | Pulmonary delivery of therapeutic peptides via dry powder inhalation: effects of micronisation and manufacturing. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2004, 58, 7-14. | 4.3 | 67 |
| 49 | Strongly enhanced dissolution rate of fenofibrate solid dispersion tablets by incorporation of superdisintegrants. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 73, 154-161. | 4.3 | 67 |
| 50 | The effect of carrier surface and bulk properties on drug particle detachment from crystalline lactose carrier particles during inhalation, as function of carrier payload and mixing time. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2003, 56, 291-302. | 4.3 | 65 |
| 51 | Incorporation of Lipophilic Drugs in Sugar Glasses by Lyophilization using a Mixture of Water and Tertiary Butyl Alcohol as Solvent. <i>Journal of Pharmaceutical Sciences</i> , 2004, 93, 713-725. | 3.3 | 65 |
| 52 | Inulin is a promising cryo- and lyoprotectant for PEGylated lipoplexes. <i>Journal of Controlled Release</i> , 2005, 103, 465-479. | 9.9 | 65 |
| 53 | Effect of molecular weight and glass transition on relaxation and release behaviour of poly(dl-lactic) Tj ETQq1 1 0.784314 rgBT /Overlo | 9.9 | 64 |
| 54 | Changes in Performance of the Pari eFlow [®] Rapid and Pari LC Plus [®] during 6 Months Use by CF Patients. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2009, 22, 263-269. | 1.4 | 64 |

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|----|--|-----|-----------|
| 55 | Tensile strength of tablets containing two materials with a different compaction behaviour. <i>International Journal of Pharmaceutics</i> , 2000, 203, 71-79. | 5.2 | 63 |
| 56 | Developments in the formulation and delivery of spray dried vaccines. <i>Human Vaccines and Immunotherapeutics</i> , 2017, 13, 2364-2378. | 3.3 | 62 |
| 57 | The role of particle engineering in relation to formulation and de-agglomeration principle in the development of a dry powder formulation for inhalation of cetorelix. <i>European Journal of Pharmaceutical Sciences</i> , 2004, 23, 139-149. | 4.0 | 58 |
| 58 | Intranasal Delivery of Influenza Subunit Vaccine Formulated with GEM Particles as an Adjuvant. <i>AAPS Journal</i> , 2010, 12, 109-116. | 4.4 | 58 |
| 59 | New Mechanisms to Explain the Effects of Added Lactose Fines on the Dispersion Performance of Adhesive Mixtures for Inhalation. <i>PLoS ONE</i> , 2014, 9, e87825. | 2.5 | 58 |
| 60 | Personalized Medicine in Pediatrics: The Clinical Potential of Orodispersible Films. <i>AAPS PharmSciTech</i> , 2017, 18, 267-272. | 3.3 | 56 |
| 61 | Challenges for pulmonary delivery of high powder doses. <i>International Journal of Pharmaceutics</i> , 2018, 548, 325-336. | 5.2 | 56 |
| 62 | The effects of cyclodextrins on drug absorption II. In vivo observations. <i>International Journal of Pharmaceutics</i> , 1990, 64, 195-205. | 5.2 | 55 |
| 63 | Spray freeze drying to produce a stable \hat{I}^9 -tetrahydrocannabinol containing inulin-based solid dispersion powder suitable for inhalation. <i>European Journal of Pharmaceutical Sciences</i> , 2005, 26, 231-240. | 4.0 | 55 |
| 64 | A Design of Experiment approach to predict product and process parameters for a spray dried influenza vaccine. <i>International Journal of Pharmaceutics</i> , 2016, 511, 1098-1111. | 5.2 | 55 |
| 65 | The effects of cyclodextrins on the disposition of intravenously injected drugs in the rat. <i>Pharmaceutical Research</i> , 1991, 08, 380-384. | 3.5 | 54 |
| 66 | Relative Bioavailability of Three Newly Developed Albendazole Formulations: a Randomized Crossover Study with Healthy Volunteers. <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 1051-1054. | 3.2 | 54 |
| 67 | Devices and formulations for pulmonary vaccination. <i>Expert Opinion on Drug Delivery</i> , 2013, 10, 1383-1397. | 5.0 | 54 |
| 68 | Developments and strategies for inhaled antibiotic drugs in tuberculosis therapy: A critical evaluation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 86, 23-30. | 4.3 | 54 |
| 69 | The effect of carrier surface treatment on drug particle detachment from crystalline carriers in adhesive mixtures for inhalation. <i>International Journal of Pharmaceutics</i> , 2006, 327, 17-25. | 5.2 | 53 |
| 70 | The determination of relative path length as a measure for tortuosity in compacts using image analysis. <i>European Journal of Pharmaceutical Sciences</i> , 2006, 28, 433-440. | 4.0 | 53 |
| 71 | A novel dissolution method relevant to intestinal release behaviour and its application in the evaluation of modified release mesalazine products. <i>European Journal of Pharmaceutical Sciences</i> , 2007, 30, 15-20. | 4.0 | 53 |
| 72 | Inulin sugar glasses preserve the structural integrity and biological activity of influenza virosomes during freeze-drying and storage. <i>European Journal of Pharmaceutical Sciences</i> , 2007, 32, 33-44. | 4.0 | 53 |

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|----|--|-----|-----------|
| 73 | Preservation of the Immunogenicity of Dry-powder Influenza H5N1 Whole Inactivated Virus Vaccine at Elevated Storage Temperatures. <i>AAPS Journal</i> , 2010, 12, 215-222. | 4.4 | 53 |
| 74 | Cyclodextrin-facilitated bioconversion of 17 β -estradiol by a phenoloxidase from <i>Mucuna pruriens</i> cell cultures. <i>Phytochemistry</i> , 1990, 29, 1551-1554. | 2.9 | 51 |
| 75 | Inhaled vaccine delivery in the combat against respiratory viruses: a 2021 overview of recent developments and implications for COVID-19. <i>Expert Review of Vaccines</i> , 2022, 21, 957-974. | 4.4 | 51 |
| 76 | Determination of cyclodextrins in biological fluids by high-performance liquid chromatography with negative colorimetric detection using post-column complexation with phenolphthalein. <i>Biomedical Applications</i> , 1987, 415, 325-333. | 1.7 | 50 |
| 77 | Improved storage stability and immunogenicity of hepatitis B vaccine after spray-freeze drying in presence of sugars. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 55, 36-45. | 4.0 | 50 |
| 78 | The Cyclops for pulmonary delivery of aminoglycosides; a new member of the Twincerâ„¢ family. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 90, 8-15. | 4.3 | 50 |
| 79 | Review: Local Tumor Necrosis Factor- α Inhibition in Inflammatory Bowel Disease. <i>Pharmaceutics</i> , 2020, 12, 539. | 4.5 | 50 |
| 80 | Characterization of a cyclosporine solid dispersion for inhalation. <i>AAPS Journal</i> , 2007, 9, E190-E199. | 4.4 | 48 |
| 81 | Pulmonary Vaccine Delivery: A Realistic Approach?. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2012, 25, 249-260. | 1.4 | 47 |
| 82 | Effect of an external resistance to airflow on the inspiratory flow curve. <i>International Journal of Pharmaceutics</i> , 2002, 234, 257-266. | 5.2 | 45 |
| 83 | The effect of the amount of binder liquid on the granulation mechanisms and structure of microcrystalline cellulose granules prepared by high shear granulation. <i>International Journal of Pharmaceutics</i> , 2005, 290, 129-136. | 5.2 | 44 |
| 84 | Evaluation of monophosphoryl lipid A as adjuvant for pulmonary delivered influenza vaccine. <i>Journal of Controlled Release</i> , 2014, 174, 51-62. | 9.9 | 44 |
| 85 | Oromucosal films: from patient centricity to production by printing techniques. <i>Expert Opinion on Drug Delivery</i> , 2019, 16, 981-993. | 5.0 | 44 |
| 86 | Advax augments B and T cell responses upon influenza vaccination via the respiratory tract and enables complete protection of mice against lethal influenza virus challenge. <i>Journal of Controlled Release</i> , 2018, 288, 199-211. | 9.9 | 43 |
| 87 | Dry powder inhalation of antibiotics in cystic fibrosis therapy, part 1: development of a powder formulation with colistin sulfate for a special test inhaler with an air classifier as de-agglomeration principle. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2002, 54, 17-24. | 4.3 | 42 |
| 88 | A critical evaluation of the relevant parameters for drug redispersion from adhesive mixtures during inhalation. <i>International Journal of Pharmaceutics</i> , 2005, 294, 173-184. | 5.2 | 42 |
| 89 | Evaluating the immunogenicity and safety of a BiondVax-developed universal influenza vaccine (Multimeric-001) either as a standalone vaccine or as a primer to H5N1 influenza vaccine. <i>Medicine (United States)</i> , 2017, 96, e6339. | 1.0 | 42 |
| 90 | Inhalation of tobramycin in cystic fibrosis Part 1: The choice of a nebulizer. <i>International Journal of Pharmaceutics</i> , 1999, 189, 205-214. | 5.2 | 41 |

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|-----|---|-----|-----------|
| 91 | Design and application of a new modular adapter for laser diffraction characterization of inhalation aerosols. <i>International Journal of Pharmaceutics</i> , 2002, 249, 233-245. | 5.2 | 41 |
| 92 | Preparation of drug nanocrystals by controlled crystallization: Application of a 3-way nozzle to prevent premature crystallization for large scale production. <i>European Journal of Pharmaceutical Sciences</i> , 2009, 38, 224-229. | 4.0 | 41 |
| 93 | Low temperature extruded implants based on novel hydrophilic multiblock copolymer for long-term protein delivery. <i>European Journal of Pharmaceutical Sciences</i> , 2013, 49, 578-587. | 4.0 | 40 |
| 94 | The interaction between carrier rugosity and carrier payload, and its effect on drug particle redispersion from adhesive mixtures during inhalation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2005, 59, 197-205. | 4.3 | 39 |
| 95 | Production methods and stabilization strategies for polymer-based nanoparticles and microparticles for parenteral delivery of peptides and proteins. <i>Expert Opinion on Drug Delivery</i> , 2015, 12, 1311-1331. | 5.0 | 39 |
| 96 | Orodispersible films based on blends of trehalose and pullulan for protein delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 133, 104-111. | 4.3 | 39 |
| 97 | Solid dispersions based on inulin for the stabilisation and formulation of δ^9 -tetrahydrocannabinol. <i>European Journal of Pharmaceutical Sciences</i> , 2004, 21, 511-518. | 4.0 | 38 |
| 98 | Air classifier technology (ACT) in dry powder inhalation. <i>International Journal of Pharmaceutics</i> , 2006, 310, 81-89. | 5.2 | 38 |
| 99 | Concepts for increasing gentamicin release from handmade bone cement beads. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2009, 80, 508-513. | 3.3 | 38 |
| 100 | Inulin solid dispersion technology to improve the absorption of the BCS Class IV drug TMC240. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010, 74, 233-238. | 4.3 | 38 |
| 101 | Recent advances in the fundamental understanding of adhesive mixtures for inhalation. <i>Current Pharmaceutical Design</i> , 2015, 21, 5900-5914. | 1.9 | 38 |
| 102 | Development of a thermostable spray dried outer membrane vesicle pertussis vaccine for pulmonary immunization. <i>Journal of Controlled Release</i> , 2018, 286, 167-178. | 9.9 | 38 |
| 103 | Influence of Miscibility of Protein-Sugar Lyophilizates on Their Storage Stability. <i>AAPS Journal</i> , 2016, 18, 1225-1232. | 4.4 | 37 |
| 104 | Pulmonary administration of small interfering RNA: The route to go?. <i>Journal of Controlled Release</i> , 2016, 235, 14-23. | 9.9 | 36 |
| 105 | Predicting mechanical properties of compacts containing two components. <i>Powder Technology</i> , 2004, 139, 156-164. | 4.2 | 35 |
| 106 | Feasibility of nonvolatile buffers in capillary electrophoresis-electrospray ionization-mass spectrometry of proteins. <i>Electrophoresis</i> , 2004, 25, 43-49. | 2.4 | 35 |
| 107 | Dry powder inhalation of colistin sulphomethate in healthy volunteers: A pilot study. <i>International Journal of Pharmaceutics</i> , 2007, 335, 41-45. | 5.2 | 35 |
| 108 | Quantitative Image Analysis for Evaluating the Coating Thickness and Pore Distribution in Coated Small Particles. <i>Pharmaceutical Research</i> , 2009, 26, 965-976. | 3.5 | 35 |

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|-----|---|-----|-----------|
| 109 | In vitro evaluation of the DP-4M PennCentury [®] , [†] insufflator. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 88, 153-159. | 4.3 | 35 |
| 110 | Plasticisation of amylopectin by moisture. Consequences for compaction behaviour and tablet properties. <i>European Journal of Pharmaceutical Sciences</i> , 2001, 14, 245-254. | 4.0 | 34 |
| 111 | Controlled Crystallization of the Lipophilic Drug Fenofibrate During Freeze-Drying: Elucidation of the Mechanism by In-Line Raman Spectroscopy. <i>AAPS Journal</i> , 2010, 12, 569-575. | 4.4 | 34 |
| 112 | Tailored protein release from biodegradable poly(ϵ -caprolactone-PEG)-b-poly(ϵ -caprolactone) multiblock-copolymer implants. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 87, 329-337. | 4.3 | 34 |
| 113 | The pharmacokinetics of antibiotics in cystic fibrosis. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2021, 17, 53-68. | 3.3 | 34 |
| 114 | Equivalence testing of salbutamol dry powder inhalers: in vitro impaction results versus in vivo efficacy. <i>International Journal of Pharmaceutics</i> , 2002, 249, 247-255. | 5.2 | 33 |
| 115 | Stability of influenza sub-unit vaccine Does a couple of days outside the refrigerator matter?. <i>Vaccine</i> , 2006, 24, 525-531. | 3.8 | 33 |
| 116 | Physical and immunogenic stability of spray freeze-dried influenza vaccine powder for pulmonary delivery: Comparison of inulin, dextran, or a mixture of dextran and trehalose as protectants. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 85, 716-725. | 4.3 | 33 |
| 117 | In-line near infrared spectroscopy during freeze-drying as a tool to measure efficiency of hydrogen bond formation between protein and sugar, predictive of protein storage stability. <i>International Journal of Pharmaceutics</i> , 2015, 496, 792-800. | 5.2 | 33 |
| 118 | A novel aerosol generator for homogenous distribution of powder over the lungs after pulmonary administration to small laboratory animals. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 88, 1056-1063. | 4.3 | 32 |
| 119 | Increased drug load and polymer compatibility of bilayered orodispersible films. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 107, 183-190. | 4.0 | 32 |
| 120 | The choice of a compressor for the aerosolisation of tobramycin (TOBI [®]) with the PARI LC PLUS [®] reusable nebuliser. <i>International Journal of Pharmaceutics</i> , 2003, 268, 59-69. | 5.2 | 31 |
| 121 | A levodopa dry powder inhaler for the treatment of Parkinson [®] 's disease patients in off periods. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 97, 22-29. | 4.3 | 31 |
| 122 | A systematic review and meta-analysis of microbial contamination of parenteral medication prepared in a clinical versus pharmacy environment. <i>European Journal of Clinical Pharmacology</i> , 2019, 75, 609-617. | 1.9 | 31 |
| 123 | Air classifier technology (ACT) in dry powder inhalation. <i>International Journal of Pharmaceutics</i> , 2006, 310, 72-80. | 5.2 | 30 |
| 124 | Oral ileocolonic drug delivery by the colopulse-system: A bioavailability study in healthy volunteers. <i>Journal of Controlled Release</i> , 2010, 146, 334-340. | 9.9 | 30 |
| 125 | Marked Endotheliotropism of Highly Pathogenic Avian Influenza Virus H5N1 following Intestinal Inoculation in Cats. <i>Journal of Virology</i> , 2012, 86, 1158-1165. | 3.4 | 30 |
| 126 | Effect of Inhaler Design Variables on Paediatric Use of Dry Powder Inhalers. <i>PLoS ONE</i> , 2014, 9, e99304. | 2.5 | 30 |

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|-----|--|------|-----------|
| 127 | Stability of Lysozyme in Aqueous Extremolyte Solutions during Heat Shock and Accelerated Thermal Conditions. <i>PLoS ONE</i> , 2014, 9, e86244. | 2.5 | 30 |
| 128 | Evaluation of the immunogenicity and safety of different doses and formulations of a broad spectrum influenza vaccine (FLU-v) developed by SEEK: study protocol for a single-center, randomized, double-blind and placebo-controlled clinical phase IIb trial. <i>BMC Infectious Diseases</i> , 2017, 17, 241. | 2.9 | 30 |
| 129 | Plasticisation of amylopectin by moisture. <i>International Journal of Pharmaceutics</i> , 2000, 204, 23-33. | 5.2 | 29 |
| 130 | Investigations into the stabilization of drugs by sugar glasses: III. The influence of various high-pH buffers. <i>Pharmaceutical Research</i> , 2003, 20, 1437-1443. | 3.5 | 29 |
| 131 | The effect of powder blend and tablet structure on drug release mechanisms of hydrophobic starch acetate matrix tablets. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2005, 61, 149-157. | 4.3 | 29 |
| 132 | Dispersibility and Storage Stability Optimization of High Dose Isoniazid Dry Powder Inhalation Formulations with L-Leucine or Trileucine. <i>Pharmaceutics</i> , 2020, 12, 24. | 4.5 | 29 |
| 133 | Immunogenicity, Safety, and Efficacy of a Standalone Universal Influenza Vaccine, FLU-v, in Healthy Adults. <i>Annals of Internal Medicine</i> , 2020, 172, 453. | 3.9 | 29 |
| 134 | The effects of cyclodextrins on drug absorption. I. In vitro observations. <i>International Journal of Pharmaceutics</i> , 1989, 49, 91-102. | 5.2 | 28 |
| 135 | Investigations into the stabilisation of drugs by sugar glasses: I. Tablets prepared from stabilised alkaline phosphatase. <i>International Journal of Pharmaceutics</i> , 2002, 249, 59-70. | 5.2 | 28 |
| 136 | Trends in the technology-driven development of new inhalation devices. <i>Drug Discovery Today: Technologies</i> , 2005, 2, 47-57. | 4.0 | 28 |
| 137 | A centrifuge method to measure particle cohesion forces to substrate surfaces: The use of a force distribution concept for data interpretation. <i>International Journal of Pharmaceutics</i> , 2010, 393, 89-96. | 5.2 | 28 |
| 138 | Influenza antigen-sparing by immune stimulation with Gram-positive enhancer matrix (GEM) particles. <i>Vaccine</i> , 2010, 28, 7963-7969. | 3.8 | 28 |
| 139 | An investigation into the predictive value of cascade impactor results for side effects of inhaled salbutamol. <i>International Journal of Pharmaceutics</i> , 2004, 287, 79-87. | 5.2 | 27 |
| 140 | Formulation and process development of (recombinant human) deoxyribonuclease I as a powder for inhalation. <i>Pharmaceutical Development and Technology</i> , 2009, 14, 358-368. | 2.4 | 27 |
| 141 | A New Strategy to Stabilize Oxytocin in Aqueous Solutions: I. The Effects of Divalent Metal Ions and Citrate Buffer. <i>AAPS Journal</i> , 2011, 13, 284-290. | 4.4 | 27 |
| 142 | Surface-Active Derivative of Inulin (Inutec [®] SP1) Is a Superior Carrier for Solid Dispersions with a High Drug Load. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 2333-2342. | 3.3 | 27 |
| 143 | NIR spectroscopy for the in-line monitoring of a multicomponent formulation during the entire freeze-drying process. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 97, 39-46. | 2.8 | 27 |
| 144 | Addition of Pullulan to Trehalose Glasses Improves the Stability of β -Galactosidase at High Moisture Conditions. <i>Carbohydrate Polymers</i> , 2017, 176, 374-380. | 10.2 | 27 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 145 | Efficacy and Safety of On-Demand Use of 2 Treatments Designed for Different Etiologies of Female Sexual Interest/Arousal Disorder: 3 Randomized Clinical Trials. <i>Journal of Sexual Medicine</i> , 2018, 15, 201-216. | 0.6 | 27 |
| 146 | Design and Fungicidal Activity of Mucoadhesive Lactoferrin Tablets for the Treatment of Oropharyngeal Candidosis. <i>Drug Delivery</i> , 2002, 9, 31-38. | 5.7 | 26 |
| 147 | The use of Stokes deformation number as a predictive tool for material exchange behaviour of granules in the "equilibrium phase"™ in high shear granulation. <i>International Journal of Pharmaceutics</i> , 2006, 318, 78-85. | 5.2 | 26 |
| 148 | Towards an oral influenza vaccine: Comparison between intragastric and intracolonic delivery of influenza subunit vaccine in a murine model. <i>Vaccine</i> , 2007, 26, 67-76. | 3.8 | 26 |
| 149 | A New Strategy To Stabilize Oxytocin in Aqueous Solutions: II. Suppression of Cysteine-Mediated Intermolecular Reactions by a Combination of Divalent Metal Ions and Citrate. <i>Molecular Pharmaceutics</i> , 2012, 9, 554-562. | 4.6 | 26 |
| 150 | Drug Content Effects on the Dispersion Performance of Adhesive Mixtures for Inhalation. <i>PLoS ONE</i> , 2013, 8, e71339. | 2.5 | 26 |
| 151 | Development and potential application of an oral ColoPulse infliximab tablet with colon specific release: A feasibility study. <i>International Journal of Pharmaceutics</i> , 2016, 505, 175-186. | 5.2 | 26 |
| 152 | Characterization of the Mode of Incorporation of Lipophilic Compounds in Solid Dispersions at the Nanoscale Using Fluorescence Resonance Energy Transfer (FRET). <i>Macromolecular Rapid Communications</i> , 2006, 27, 1149-1155. | 3.9 | 25 |
| 153 | Tolerability and Pharmacokinetic Evaluation of Inhaled Dry Powder Tobramycin Free Base in Non-Cystic Fibrosis Bronchiectasis Patients. <i>PLoS ONE</i> , 2016, 11, e0149768. | 2.5 | 25 |
| 154 | Pulmonary delivery of influenza vaccine formulations in cotton rats: site of deposition plays a minor role in the protective efficacy against clinical isolate of H1N1pdm virus. <i>Drug Delivery</i> , 2018, 25, 533-545. | 5.7 | 25 |
| 155 | Development of novel zero-order release budesonide tablets for the treatment of ileo-colonic inflammatory bowel disease and comparison with formulations currently used in clinical practice. <i>International Journal of Pharmaceutics</i> , 2019, 554, 366-375. | 5.2 | 25 |
| 156 | Prediction of the Ease of Subdivision of Scored Tablets from Their Physical Parameters. <i>AAPS PharmSciTech</i> , 2010, 11, 126-132. | 3.3 | 24 |
| 157 | Inulin as filler-binder for tablets prepared by direct compaction. <i>European Journal of Pharmaceutical Sciences</i> , 2002, 15, 31-38. | 4.0 | 23 |
| 158 | ColoPulse tablets perform comparably in healthy volunteers and Crohn's patients and show no influence of food and time of food intake on bioavailability. <i>Journal of Controlled Release</i> , 2013, 172, 618-624. | 9.9 | 23 |
| 159 | Pharmacokinetics of a sustained release formulation of PDGF β -receptor directed carrier proteins to target the fibrotic liver. <i>Journal of Controlled Release</i> , 2018, 269, 258-265. | 9.9 | 23 |
| 160 | In Vitro Performance Testing of the Novel Medspray \hat{A} ® Wet Aerosol Inhaler Based on the Principle of Rayleigh Break-up. <i>Pharmaceutical Research</i> , 2008, 25, 1186-1192. | 3.5 | 22 |
| 161 | Lactose as a carrier for inhalation products: breathing new life into an old carrier. <i>Advanced Drug Delivery Reviews</i> , 2012, 64, 217-219. | 13.7 | 22 |
| 162 | CARS microscopy as a tool for studying the distribution of micronised drugs in adhesive mixtures for inhalation. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 495-500. | 2.5 | 22 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 163 | Can Tobramycin Inhalation Be Improved With a Jet Nebulizer?. <i>Therapeutic Drug Monitoring</i> , 1999, 21, 618. | 2.0 | 22 |
| 164 | An overview of the production methods for core-shell microspheres for parenteral controlled drug delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2022, 170, 24-42. | 4.3 | 22 |
| 165 | Inhalation of tobramycin in cystic fibrosis Part 2: Optimization of the tobramycin solution for a jet and an ultrasonic nebulizer. <i>International Journal of Pharmaceutics</i> , 1999, 189, 215-225. | 5.2 | 21 |
| 166 | The effect of budesonide particle mass on drug particle detachment from carrier crystals in adhesive mixtures during inhalation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2002, 54, 245-248. | 4.3 | 21 |
| 167 | The Mode of Drug Particle Detachment from Carrier Crystals in an Air Classifier-Based Inhaler. <i>Pharmaceutical Research</i> , 2004, 21, 2167-2174. | 3.5 | 21 |
| 168 | Effect of drug-carrier interaction on the dissolution behavior of solid dispersion tablets. <i>Pharmaceutical Development and Technology</i> , 2010, 15, 460-468. | 2.4 | 21 |
| 169 | Polymeric microspheres for the sustained release of a protein-based drug carrier targeting the PDGF β -receptor in the fibrotic kidney. <i>International Journal of Pharmaceutics</i> , 2017, 534, 229-236. | 5.2 | 21 |
| 170 | Characterization and Formulation of Isoniazid for High-Dose Dry Powder Inhalation. <i>Pharmaceutics</i> , 2019, 11, 233. | 4.5 | 21 |
| 171 | Identifying critical process steps to protein stability during spray drying using a vibrating mesh or a two-fluid nozzle. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 128, 152-157. | 4.0 | 21 |
| 172 | Gene therapy strategies for idiopathic pulmonary fibrosis: recent advances, current challenges, and future directions. <i>Molecular Therapy - Methods and Clinical Development</i> , 2021, 20, 483-496. | 4.1 | 21 |
| 173 | Natural and bioinspired excipients for dry powder inhalation formulations. <i>Current Opinion in Colloid and Interface Science</i> , 2021, 56, 101497. | 7.4 | 21 |
| 174 | β -Cyclodextrin as an excipient in solid oral dosage forms: in vitro and in vivo evaluation of spray-dried diazepam- β -cyclodextrin products. <i>International Journal of Pharmaceutics</i> , 1989, 51, 213-223. | 5.2 | 20 |
| 175 | A User-Friendly Model for Spray Drying to Aid Pharmaceutical Product Development. <i>PLoS ONE</i> , 2013, 8, e74403. | 2.5 | 20 |
| 176 | A proposed definition of the γ -activity of surface sites on lactose carriers for dry powder inhalation. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 56, 102-104. | 4.0 | 20 |
| 177 | Model to predict inhomogeneous protein-sugar distribution in powders prepared by spray drying. <i>Journal of Aerosol Science</i> , 2016, 101, 22-33. | 3.8 | 20 |
| 178 | siRNA-mediated protein knockdown in precision-cut lung slices. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 133, 339-348. | 4.3 | 20 |
| 179 | Development of an Orodispersible Film Containing Stabilized Influenza Vaccine. <i>Pharmaceutics</i> , 2020, 12, 245. | 4.5 | 20 |
| 180 | The Production of a Stable Infliximab Powder: The Evaluation of Spray and Freeze-Drying for Production. <i>PLoS ONE</i> , 2016, 11, e0163109. | 2.5 | 20 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 181 | Clinical efficacy, safety and pharmacokinetics of a newly developed controlled release morphine sulphate suppository in patients with cancer pain. <i>European Journal of Clinical Pharmacology</i> , 2000, 56, 219-223. | 1.9 | 19 |
| 182 | Dry powder inhalation versus wet nebulisation delivery of antibiotics in cystic fibrosis patients. <i>Expert Opinion on Drug Delivery</i> , 2007, 4, 91-94. | 5.0 | 19 |
| 183 | Proof-of-concept study on the suitability of ¹³ C-urea as a marker substance for assessment of <i>in vivo</i> behaviour of oral colon-targeted dosage forms. <i>British Journal of Pharmacology</i> , 2009, 158, 532-540. | 5.4 | 19 |
| 184 | Comparative in vitro evaluation of four corticosteroid metered dose inhalers: Consistency of delivered dose and particle size distribution. <i>Respiratory Medicine</i> , 2009, 103, 1167-1173. | 2.9 | 19 |
| 185 | Gastro-intestinal delivery of influenza subunit vaccine formulation adjuvanted with Gram-positive enhancer matrix (GEM) particles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010, 76, 470-474. | 4.3 | 19 |
| 186 | Dry influenza vaccines: towards a stable, effective and convenient alternative to conventional parenteral influenza vaccination. <i>Expert Review of Vaccines</i> , 2016, 15, 1431-1447. | 4.4 | 19 |
| 187 | Pulmonary immunization: deposition site is of minor relevance for influenza vaccination but deep lung deposition is crucial for hepatitis B vaccination. <i>Acta Pharmaceutica Sinica B</i> , 2019, 9, 1231-1240. | 12.0 | 19 |
| 188 | The Rate of Drug Particle Detachment from Carrier Crystals in an Air Classifier-Based Inhaler. <i>Pharmaceutical Research</i> , 2004, 21, 2158-2166. | 3.5 | 18 |
| 189 | Aerosolization of Tobramycin (TOBI [®]) with the PARI LC PLUS [®] Reusable Nebulizer: Which Compressor to Use? Comparison of the CR60 [®] to the PortaNeb [®] Compressor. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2008, 21, 269-280. | 1.4 | 18 |
| 190 | Film coated tablets (ColoPulse technology) for targeted delivery in the lower intestinal tract: Influence of the core composition on release characteristics. <i>Pharmaceutical Development and Technology</i> , 2012, 17, 40-47. | 2.4 | 18 |
| 191 | Simplifying Influenza Vaccination During Pandemics: Sublingual Priming and Intramuscular Boosting of Immune Responses with Heterologous Whole Inactivated Influenza Vaccine. <i>AAPS Journal</i> , 2014, 16, 342-349. | 4.4 | 18 |
| 192 | Enhanced pulmonary immunization with aerosolized inactivated influenza vaccine containing delta inulin adjuvant. <i>European Journal of Pharmaceutical Sciences</i> , 2015, 66, 118-122. | 4.0 | 18 |
| 193 | Passive inhalation of dry powder influenza vaccine formulations completely protects chickens against H5N1 lethal viral challenge. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 133, 85-95. | 4.3 | 18 |
| 194 | Positron Emission Tomography Studies of Human Airways Using an Inhaled β -Adrenoceptor Antagonist, S-11 C-CGP 12388. <i>Chest</i> , 2005, 128, 3020-3027. | 0.8 | 17 |
| 195 | siRNA-Mediated RNA Interference in Precision-Cut Tissue Slices Prepared from Mouse Lung and Kidney. <i>AAPS Journal</i> , 2017, 19, 1855-1863. | 4.4 | 17 |
| 196 | Efficient production of solid dispersions by spray drying solutions of high solid content using a 3-fluid nozzle. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 123, 50-58. | 4.3 | 17 |
| 197 | Towards the Oral Treatment of Ileo-Colonic Inflammatory Bowel Disease with Infliximab Tablets: Development and Validation of the Production Process. <i>Pharmaceutics</i> , 2019, 11, 428. | 4.5 | 17 |
| 198 | Pore formation in tablets compressed from binary mixtures as a result of deformation and relaxation of particles. <i>European Journal of Pharmaceutical Sciences</i> , 2002, 15, 171-177. | 4.0 | 16 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 199 | The Relation Between Granule Size, Granule Stickiness, and Torque in the High-Shear Granulation Process. <i>Pharmaceutical Research</i> , 2005, 22, 270-275. | 3.5 | 16 |
| 200 | Characterisation of high dose aerosols from dry powder inhalers. <i>International Journal of Pharmaceutics</i> , 2012, 437, 242-249. | 5.2 | 16 |
| 201 | The Formation of Oxytocin Dimers is Suppressed by the Zinc-Aspartate-Oxytocin Complex. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 1734-1741. | 3.3 | 16 |
| 202 | Mixing Time Effects on the Dispersion Performance of Adhesive Mixtures for Inhalation. <i>PLoS ONE</i> , 2013, 8, e69263. | 2.5 | 16 |
| 203 | Pharmacokinetics of a Prototype Formulation of Sublingual Testosterone and a Buspirone Tablet, Versus an Advanced Combination Tablet of Testosterone and Buspirone in Healthy Premenopausal Women. <i>Drugs in R and D</i> , 2014, 14, 125-132. | 2.2 | 16 |
| 204 | Comparison of adjuvants for a spray freeze-dried whole inactivated virus influenza vaccine for pulmonary administration. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 93, 231-241. | 4.3 | 16 |
| 205 | Development of orodispersible films with selected Indonesian medicinal plant extracts. <i>Journal of Herbal Medicine</i> , 2017, 7, 37-46. | 2.0 | 16 |
| 206 | Respiratory syncytial virus subunit vaccines based on the viral envelope glycoproteins intended for pregnant women and the elderly. <i>Expert Review of Vaccines</i> , 2019, 18, 935-950. | 4.4 | 16 |
| 207 | The antifibrotic potential of a sustained release formulation of a PDGF β -receptor targeted rho kinase inhibitor. <i>Journal of Controlled Release</i> , 2019, 296, 250-257. | 9.9 | 16 |
| 208 | Benefits of different drug formulations in psychopharmacology. <i>European Neuropsychopharmacology</i> , 2003, 13, 77-84. | 0.7 | 15 |
| 209 | Dry powder inhalation of hemin to induce heme oxygenase expression in the lung. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2007, 67, 667-675. | 4.3 | 15 |
| 210 | Adenosine dry powder inhalation for bronchial challenge testing, part 1: Inhaler and formulation development and in vitro performance testing. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 86, 105-114. | 4.3 | 15 |
| 211 | An adaptable model for growth and/or shrinkage of droplets in the respiratory tract during inhalation of aqueous particles. <i>Journal of Aerosol Science</i> , 2016, 93, 21-34. | 3.8 | 15 |
| 212 | Development of a zero-order sustained-release tablet containing mesalazine and budesonide intended to treat the distal gastrointestinal tract in inflammatory bowel disease. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016, 103, 32-42. | 4.3 | 15 |
| 213 | Pharmacokinetics and tolerability of inhaled levodopa from a new dry-powder inhaler in patients with Parkinson's disease. <i>Therapeutic Advances in Chronic Disease</i> , 2019, 10, 204062231985761. | 2.5 | 15 |
| 214 | Prerequisites for a dry powder inhaler for children with cystic fibrosis. <i>PLoS ONE</i> , 2017, 12, e0183130. | 2.5 | 15 |
| 215 | Intradermal Administration of Influenza Vaccine with Trehalose and Pullulan-Based Dissolving Microneedle Arrays. <i>Journal of Pharmaceutical Sciences</i> , 2022, 111, 1070-1080. | 3.3 | 15 |
| 216 | Preservation of Influenza Virosome Structure and Function During Freeze-Drying and Storage. <i>Journal of Liposome Research</i> , 2007, 17, 173-182. | 3.3 | 14 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 217 | Characterization of human placental alkaline phosphatase by activity and protein assays, capillary electrophoresis and matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Biomedical Applications</i> , 2001, 755, 311-319. | 1.7 | 13 |
| 218 | Can Patients with Parkinsonâ€™s Disease Use Dry Powder Inhalers during Off Periods?. <i>PLoS ONE</i> , 2015, 10, e0132714. | 2.5 | 13 |
| 219 | Single dose sublingual testosterone and oral sildenafil <i>vs</i>. a dual route/dual release fixed dose combination tablet: a pharmacokinetic comparison. <i>British Journal of Clinical Pharmacology</i> , 2016, 81, 1091-1102. | 2.4 | 13 |
| 220 | The mechanism behind the biphasic pulsatile drug release from physically mixed poly(dl-lactic(-co-glycolic) acid)-based compacts. <i>International Journal of Pharmaceutics</i> , 2018, 551, 195-202. | 5.2 | 13 |
| 221 | The effects of oxygen concentration on cell death, anti-oxidant transcription, acute inflammation, and cell proliferation in precision-cut lung slices. <i>Scientific Reports</i> , 2019, 9, 16239. | 3.3 | 13 |
| 222 | A comparative analysis of changes in pMDI drug dose delivery before and after detergent coating using five antistatic valved holding chambers. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2020, 8, 1124-1125.e4. | 3.8 | 13 |
| 223 | Investigations into the stabilisation of drugs by sugar glasses: II. <i>International Journal of Pharmaceutics</i> , 2003, 257, 273-281. | 5.2 | 12 |
| 224 | Preparation and physicochemical evaluation of a new tacrolimus tablet formulation for sublingual administration. <i>Drug Development and Industrial Pharmacy</i> , 2012, 38, 490-500. | 2.0 | 12 |
| 225 | A density-based segmentation for 3D images, an application for X-ray micro-tomography. <i>Analytica Chimica Acta</i> , 2012, 725, 14-21. | 5.4 | 12 |
| 226 | Challenging the Two-Minute Tidal Breathing Challenge Test. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2013, 26, 380-386. | 1.4 | 12 |
| 227 | Pulmonary immunization of chickens using non-adjuvanted spray-freeze dried whole inactivated virus vaccine completely protects against highly pathogenic H5N1 avian influenza virus. <i>Vaccine</i> , 2014, 32, 6445-6450. | 3.8 | 12 |
| 228 | A Novel Ileocolonic Release Peppermint Oil Capsule for Treatment of Irritable Bowel Syndrome: A Phase I Study in Healthy Volunteers. <i>Advances in Therapy</i> , 2018, 35, 1965-1978. | 2.9 | 12 |
| 229 | UV-Vis Spectroscopy to Enable Determination of the Dissolution Behavior of Solid Dispersions Containing Curcumin and Piperine. <i>Journal of Young Pharmacists</i> , 2018, 11, 26-30. | 0.2 | 12 |
| 230 | Potential of capillary electrophoresis for the monitoring of the stability of placental alkaline phosphatase. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2003, 31, 351-357. | 2.8 | 11 |
| 231 | Location-Dependent Analysis of Porosity and Pore Direction in Tablets. <i>Pharmaceutical Research</i> , 2005, 22, 1399-1405. | 3.5 | 11 |
| 232 | Adenosine dry powder inhalation for bronchial challenge testing, part 2: Proof of concept in asthmatic subjects. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 88, 148-152. | 4.3 | 11 |
| 233 | Hollow filler-binders as excipients for direct compaction. <i>Pharmaceutical Research</i> , 2003, 20, 515-518. | 3.5 | 10 |
| 234 | Nanoparticle Formulation of a Poorly Soluble Cannabinoid Receptor 1 Antagonist Improves Absorption by Rat and Human Intestine. <i>Drug Metabolism and Disposition</i> , 2013, 41, 1557-1565. | 3.3 | 10 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 235 | Thermal Gradient Mid- and Far-Infrared Spectroscopy as Tools for Characterization of Protein Carbohydrate Lyophilizates. <i>Molecular Pharmaceutics</i> , 2017, 14, 3550-3557. | 4.6 | 10 |
| 236 | Performance of Tablet Splitters, Crushers, and Grinders in Relation to Personalised Medication with Tablets. <i>Pharmaceutics</i> , 2022, 14, 320. | 4.5 | 10 |
| 237 | The effect of vessel material on granules produced in a high-shear mixer. <i>European Journal of Pharmaceutical Sciences</i> , 2004, 23, 169-179. | 4.0 | 9 |
| 238 | The Therapeutic Index of Locally Acting Inhaled Drugs as a Function of their Fine Particle Mass and Particle Size Distribution – A Literature Review. <i>Current Drug Delivery</i> , 2008, 5, 142-147. | 1.6 | 9 |
| 239 | Evaluation and Optimization of a Force Field for Crystalline Forms of Mannitol and Sorbitol. <i>Journal of Physical Chemistry B</i> , 2010, 114, 429-436. | 2.6 | 9 |
| 240 | Influenza Vaccine Research funded by the European Commission FP7-Health-2013-Innovation-1 project. <i>Vaccine</i> , 2016, 34, 5845-5854. | 3.8 | 9 |
| 241 | Extrafine compared to non-extrafine particle inhaled corticosteroids in smokers and ex-smokers with asthma. <i>Respiratory Medicine</i> , 2017, 130, 35-42. | 2.9 | 9 |
| 242 | The effect of formulation on spray dried Sabin inactivated polio vaccine. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 129, 21-29. | 4.3 | 9 |
| 243 | pH-dependent ileocolonic drug delivery, part I: in vitro and clinical evaluation of novel systems. <i>Drug Discovery Today</i> , 2020, 25, 1362-1373. | 6.4 | 9 |
| 244 | Rectal absorption of morphine from controlled release suppositories. <i>International Journal of Pharmaceutics</i> , 1995, 114, 117-120. | 5.2 | 8 |
| 245 | Pore size distribution in tablets measured with a morphological sieve. <i>International Journal of Pharmaceutics</i> , 2007, 342, 176-183. | 5.2 | 8 |
| 246 | Pore Direction in Relation to Anisotropy of Mechanical Strength in a Cubic Starch Compact. <i>AAPS PharmSciTech</i> , 2008, 9, 528-535. | 3.3 | 8 |
| 247 | A density based segmentation method to determine the coordination number of a particulate system. <i>Chemical Engineering Science</i> , 2011, 66, 6385-6392. | 3.8 | 8 |
| 248 | A Non-Invasive, Low-Cost Study Design to Determine the Release Profile of Colon Drug Delivery Systems: A Feasibility Study. <i>Pharmaceutical Research</i> , 2012, 29, 2070-2078. | 3.5 | 8 |
| 249 | Protein release from water-swelling poly(D,L-lactide-PEG)-b-poly(ϵ -caprolactone) implants. <i>International Journal of Pharmaceutics</i> , 2015, 480, 73-83. | 5.2 | 8 |
| 250 | Automated Filling Equipment Allows Increase in the Maximum Dose to Be Filled in the Cyclops® High Dose Dry Powder Inhalation Device While Maintaining Dispersibility. <i>Pharmaceutics</i> , 2020, 12, 645. | 4.5 | 8 |
| 251 | Silencing Heat Shock Protein 47 (HSP47) in Fibrogenic Precision-Cut Lung Slices: A Surprising Lack of Effects on Fibrogenesis?. <i>Frontiers in Medicine</i> , 2021, 8, 607962. | 2.6 | 8 |
| 252 | Eradication of <i>Pseudomonas aeruginosa</i> in cystic fibrosis patients with inhalation of dry powder tobramycin. <i>Therapeutic Advances in Respiratory Disease</i> , 2020, 14, 175346662090527. | 2.6 | 8 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 253 | The influence of particles of a minor component on the matrix strength of sodium chloride. <i>European Journal of Pharmaceutical Sciences</i> , 2002, 16, 229-235. | 4.0 | 7 |
| 254 | Efficacy of a New Pulmonary Cyclosporine A Powder Formulation for Prevention of Transplant Rejection in Rats. <i>Journal of Heart and Lung Transplantation</i> , 2009, 28, 486-492. | 0.6 | 7 |
| 255 | Aspartate buffer and divalent metal ions affect oxytocin in aqueous solution and protect it from degradation. <i>International Journal of Pharmaceutics</i> , 2013, 444, 139-145. | 5.2 | 7 |
| 256 | Cross border, highly individualised treatment of a patient with challenging extensively drug-resistant tuberculosis. <i>European Respiratory Journal</i> , 2018, 51, 1702490. | 6.7 | 7 |
| 257 | Ileo-Colon Targeting of the Poorly Water-Soluble Drug Celecoxib Using a pH-Dependent Coating in Combination with Self-Emulsifying Drug Delivery or Solid Dispersion Systems. <i>Pharmaceutics</i> , 2021, 13, 731. | 4.5 | 7 |
| 258 | Formulation and In Vitro Evaluation of Pellets Containing Sulfasalazine and Caffeine to Verify Ileo-Colonic Drug Delivery. <i>Pharmaceutics</i> , 2021, 13, 1985. | 4.5 | 7 |
| 259 | Predictors of clinical response to extrafine and non-extrafine particle inhaled corticosteroids in smokers and ex-smokers with asthma. <i>Respiratory Research</i> , 2018, 19, 256. | 3.6 | 6 |
| 260 | Ovalbumin-containing core-shell implants suitable to obtain a delayed IgG1 antibody response in support of a biphasic pulsatile release profile in mice. <i>PLoS ONE</i> , 2018, 13, e0202961. | 2.5 | 6 |
| 261 | Development and Application of a Process Window for Achieving High-Quality Coating in a Fluidized Bed Coating Process. <i>AAPS PharmSciTech</i> , 2009, 10, 732-742. | 3.3 | 5 |
| 262 | Gas permeation related to the moisture sorption in films of glassy hydrophilic polymers. <i>Journal of Applied Polymer Science</i> , 2010, 116, 3310-3317. | 2.6 | 5 |
| 263 | Blending of agglomerates into powders 1: Quantification of abrasion rate. <i>International Journal of Pharmaceutics</i> , 2010, 387, 87-92. | 5.2 | 5 |
| 264 | CLSM as Quantitative Method to Determine the Size of Drug Crystals in a Solid Dispersion. <i>Pharmaceutical Research</i> , 2011, 28, 2567-2574. | 3.5 | 5 |
| 265 | Numerical study of agglomerate abrasion in a tumbling mixer. <i>Chemical Engineering Science</i> , 2014, 114, 21-29. | 3.8 | 5 |
| 266 | Targeting the small airways with dry powder adenosine: a challenging concept. <i>European Clinical Respiratory Journal</i> , 2017, 4, 1369328. | 1.5 | 5 |
| 267 | Genotype scores predict drug efficacy in subtypes of female sexual interest/arousal disorder: A double-blind, randomized, placebo-controlled cross-over trial. <i>Women's Health</i> , 2018, 14, 174550651878897. | 1.5 | 5 |
| 268 | Associations of AMP and adenosine induced dyspnea sensation to large and small airways dysfunction in asthma. <i>BMC Pulmonary Medicine</i> , 2019, 19, 23. | 2.0 | 5 |
| 269 | Effect of Roux-en-Y gastric bypass on the bioavailability of metoprolol from immediate and controlled release tablets: a single oral dose study before and after surgery. <i>European Journal of Hospital Pharmacy</i> , 2020, 27, e19-e24. | 1.1 | 5 |
| 270 | pH-dependent ileocolonic drug delivery, part II: preclinical evaluation of novel drugs and novel excipients. <i>Drug Discovery Today</i> , 2020, 25, 1374-1388. | 6.4 | 5 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 271 | Microfluidic Production of Polymeric Core-Shell Microspheres for the Delayed Pulsatile Release of Bovine Serum Albumin as a Model Antigen. <i>Pharmaceutics</i> , 2021, 13, 1854. | 4.5 | 5 |
| 272 | Drug output of unvented jet nebulizers as a function of time. <i>International Journal of Pharmaceutics</i> , 2003, 257, 33-39. | 5.2 | 4 |
| 273 | Using the Internal Stress Concept to Assess the Importance of Moisture Sorption-induced Swelling on the Moisture Transport through the Glassy HPMC Films. <i>AAPS PharmSciTech</i> , 2008, 9, 891-898. | 3.3 | 4 |
| 274 | <i>In Vivo</i> Performance Testing of the Novel Medspray [®] Wet Aerosol Inhaler. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2009, 22, 317-321. | 1.4 | 4 |
| 275 | Dried influenza vaccines: Over the counter vaccines. <i>Hum Vaccin</i> , 2010, 6, 854-856. | 2.4 | 4 |
| 276 | Kinetic energy density and agglomerate abrasion rate during blending of agglomerates into powders. <i>European Journal of Pharmaceutical Sciences</i> , 2012, 45, 211-215. | 4.0 | 4 |
| 277 | A statistical method for velocity detection in moving powder beds using image analysis. <i>AIChE Journal</i> , 2012, 58, 690-696. | 3.6 | 4 |
| 278 | Adjuvantation of Pulmonary-Administered Influenza Vaccine with GPI-0100 Primarily Stimulates Antibody Production and Memory B Cell Proliferation. <i>Vaccines</i> , 2017, 5, 19. | 4.4 | 4 |
| 279 | Bronchial Provocation Testing Can Be Improved by Using Dry Powder Adenosine Instead of Nebulized Adenosine Monophosphate. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 197, 391-394. | 5.6 | 4 |
| 280 | A gastrointestinal simulation system for dissolution of oral solid dosage forms before and after Roux-en-Y gastric bypass. <i>European Journal of Hospital Pharmacy</i> , 2019, 26, 152-156. | 1.1 | 4 |
| 281 | Nasal gene expression changes with inhaled corticosteroid treatment in asthma. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 191-194. | 5.7 | 4 |
| 282 | Pore shape in the sodium chloride matrix of tablets after the addition of starch as a second component. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008, 70, 539-543. | 4.3 | 3 |
| 283 | The Stokes Number Approach to Support Scale-Up and Technology Transfer of a Mixing Process. <i>AAPS PharmSciTech</i> , 2012, 13, 928-933. | 3.3 | 3 |
| 284 | Quantitative Characterization of Agglomerate Abrasion in a Tumbling Blender by Using the Stokes Number Approach. <i>AAPS PharmSciTech</i> , 2013, 14, 183-188. | 3.3 | 3 |
| 285 | Realising the potential of various inhaled airway challenge agents through improved delivery to the lungs. <i>Pulmonary Pharmacology and Therapeutics</i> , 2018, 49, 27-35. | 2.6 | 3 |
| 286 | Inhomogeneous Distribution of Components in Solid Protein Pharmaceuticals: Origins, Consequences, Analysis, and Resolutions. <i>Journal of Pharmaceutical Sciences</i> , 2020, 109, 134-153. | 3.3 | 3 |
| 287 | Infliximab formulation strategy for a stable ileo-colonic targeted oral dosage form intended for the topical treatment of inflammatory bowel disease. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 64, 102552. | 3.0 | 3 |
| 288 | Copper-Heparin Inhalation Therapy To Repair Emphysema: A Scientific Rationale. <i>International Journal of COPD</i> , 2019, Volume 14, 2587-2602. | 2.3 | 3 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 289 | Pharmacoeconomic review of recombinant human DNase in the management of cystic fibrosis. <i>Expert Review of Pharmacoeconomics and Outcomes Research</i> , 2004, 4, 49-59. | 1.4 | 2 |
| 290 | The Effect of Food on the Pharmacokinetics of Sildenafil after Single Administration of a Sublingual Testosterone and Oral Sildenafil Combination Tablet in Healthy Female Subjects. <i>Journal of Sexual Medicine</i> , 2019, 16, 1433-1443. | 0.6 | 2 |
| 291 | Pulmonary Administration of Subunit Vaccines. <i>Advances in Delivery Science and Technology</i> , 2015, , 307-329. | 0.4 | 1 |
| 292 | Development of a Stable Respiratory Syncytial Virus Pre-Fusion Protein Powder Suitable for a Core-Shell Implant with a Delayed Release in Mice: A Proof of Concept Study. <i>Pharmaceutics</i> , 2019, 11, 510. | 4.5 | 1 |
| 293 | Prefilled Cyclic Olefin Sterilized Syringes of Norepinephrine Injection Solution Do Not Need to Be Stabilized by Antioxidants. <i>AAPS PharmSciTech</i> , 2020, 21, 247. | 3.3 | 1 |
| 294 | The Effect of Food on the Pharmacokinetics of Buspirone After Single Administration of a Sublingual Testosterone and Oral Buspirone Combination Tablet in Healthy Female Subjects. <i>Sexual Medicine</i> , 2020, 8, 186-194. | 1.6 | 1 |
| 295 | Reply. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2020, 8, 1166-1167. | 3.8 | 0 |
| 296 | Assessing the Immunomodulatory Effect of Size on the Uptake and Immunogenicity of Influenza- and Hepatitis B Subunit Vaccines In Vitro. <i>Pharmaceutics</i> , 2022, 15, 887. | 3.8 | 0 |