# Feng Wan

List of Publications by Year
in descending order



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|---|---|---|---|
| 29 papers | 1,277 citations | 331670 21 h-index | 477307 29 g-index |
| 29 all docs | 29 docs citations | 29 times ranked | 1816 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Design space approach in the optimization of the spray-drying process. European Journal of Pharmaceutics and Biopharmaceutics, 2012, 80, 226-234. | 4.3 | 138 |
| 2 | Ciprofloxacin-loaded sodium alginate/poly (lactic-co-glycolic acid) electrospun fibrous mats for wound healing. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 123, 42-49. | 4.3 | 103 |
| 3 | The role of mucus as an invisible cloak to transepithelial drug delivery by nanoparticles. Advanced Drug Delivery Reviews, 2018, 124, 107-124. | 13.7 | 85 |
| 4 | Sustained release donepezil loaded PLGA microspheres for injection: Preparation, in vitro and in vivo study. Asian Journal of Pharmaceutical Sciences, 2015, 10, 405-414. | 9.1 | 80 |
| 5 | Design of PLGA-based depot delivery systems for biopharmaceuticals prepared by spray drying. International Journal of Pharmaceutics, 2016, 498, 82-95. | 5.2 | 75 |
| 6 | Encapsulation and release of doxycycline from electrospray-generated PLGA microspheres: Effect of polymer end groups. International Journal of Pharmaceutics, 2019, 564, 1-9. | 5.2 | 63 |
| 7 | Critical Solvent Properties Affecting the Particle Formation Process and Characteristics of Celecoxib-Loaded PLGA Microparticles via Spray-Drying. Pharmaceutical Research, 2013, 30, 1065-1076. | 3.5 | 59 |
| 8 | Ultrasmall TPGSâ€“PLGA Hybrid Nanoparticles for Site-Specific Delivery of Antibiotics into Pseudomonas aeruginosa Biofilms in Lungs. ACS Applied Materials & Interfaces, 2020, 12, 380-389. | 8.0 | 57 |
| 9 | Quality by design thinking in the development of long-acting injectable PLGA/PLA-based microspheres for peptide and protein drug delivery. International Journal of Pharmaceutics, 2020, 585, 119441. | 5.2 | 56 |
| 10 | Quality by design approach in the optimization of the spray-drying process. Pharmaceutical Development and Technology, 2012, 17, 389-397. | 2.4 | 50 |
| 11 | Particle formation and characteristics of Celecoxib-loaded poly(lactic-co-glycolic acid) microparticles prepared in different solvents using electrospraying. Polymer, 2012, 53, 3220-3229. | 3.8 | 49 |
| 12 | Utilizing nanoparticles for improving anti-biofilm effects of azithromycin: A head-to-head comparison of modified hyaluronic acid nanogels and coated poly (lactic-co-glycolic acid) nanoparticles. Journal of Colloid and Interface Science, 2019, 555, 595-606. | 9.4 | 42 |
| 13 | One-Step Production of Protein-Loaded PLGA Microparticles via Spray Drying Using 3-Fluid Nozzle. Pharmaceutical Research, 2014, 31, 1967-1977. | 3.5 | 41 |
| 14 | Synthesis of carbon quantum dot-poly lactic-co-glycolic acid hybrid nanoparticles for chemo-photothermal therapy against bacterial biofilms. Journal of Colloid and Interface Science, 2020, 577, 66-74. | 9.4 | 38 |
| 15 | Particle engineering principles and technologies for pharmaceutical biologics. Advanced Drug Delivery Reviews, 2021, 174, 140-167. | 13.7 | 36 |
| 16 | Swelling of mucoadhesive electrospun chitosan/polyethylene oxide nanofibers facilitates adhesion to the sublingual mucosa. Carbohydrate Polymers, 2020, 242, 116428. | 10.2 | 34 |
| 17 | Nanoembedded Microparticles for Stabilization and Delivery of Drug-Loaded Nanoparticles. Current Pharmaceutical Design, 2015, 21, 5829-5844. | 1.9 | 34 |
| 18 | Nanoparticle-mediated pulmonary drug delivery: state of the art towards efficient treatment of recalcitrant respiratory tract bacterial infections. Drug Delivery and Translational Research, 2021, 11, 1634-1654. | 5.8 | 33 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Encapsulation of azithromycin into polymeric microspheres by reduced pressure-solvent evaporation method. International Journal of Pharmaceutics, 2012, 433, 79-88. | 5.2 | 27 |
| 20 | Impact of PLGA molecular behavior in the feed solution on the drug release kinetics of spray dried microparticles. Polymer, 2013, 54, 5920-5927. | 3.8 | 24 |
| 21 | Modulating Protein Release Profiles by Incorporating Hyaluronic Acid into PLGA Microparticles Via a Spray Dryer Equipped with a 3-Fluid Nozzle. Pharmaceutical Research, 2014, 31, 2940-2951. | 3.5 | 24 |
| 22 | Lipid Shell-Enveloped Polymeric Nanoparticles with High Integrity of Lipid Shells Improve Mucus Penetration and Interaction with Cystic Fibrosis-Related Bacterial Biofilms. ACS Applied Materials & Interfaces, 2018, 10, 10678-10687. | 8.0 | 21 |
| 23 | Qualitative and quantitative analysis of the biophysical interaction of inhaled nanoparticles with pulmonary surfactant by using quartz crystal microbalance with dissipation monitoring. Journal of Colloid and Interface Science, 2019, 545, 162-171. | 9.4 | 21 |
| 24 | Lipid and PLGA hybrid microparticles as carriers for protein delivery. Journal of Drug Delivery Science and Technology, 2018, 43, 65-72. | 3.0 | 20 |
| 25 | A free-floating mucin layer to investigate the effect of the local microenvironment in lungs on mucin-nanoparticle interactions. Acta Biomaterialia, 2020, 104, 115-123. | 8.3 | 19 |
| 26 | Formulation Strategies and Particle Engineering Technologies for Pulmonary Delivery of Biopharmaceuticals. Current Pharmaceutical Design, 2015, 21, 2599-2610. | 1.9 | 16 |
| 27 | Effect of excipients on encapsulation and release of insulin from spray-dried solid lipid microparticles. International Journal of Pharmaceutics, 2018, 550, 439-446. | 5.2 | 15 |
| 28 | In vivo evaluation of solid lipid microparticles and hybrid polymer-lipid microparticles for sustained delivery of leuprolide. European Journal of Pharmaceutics and Biopharmaceutics, 2019, 142, 315-321. | 4.3 | 9 |
| 29 | Insight into Nanoscale Network of Spray-Dried Polymeric Particles: Role of Polymer Molecular Conformation. ACS Applied Materials & Interfaces, 2018, 10, 36686-36692. | 8.0 | 8 |