Cynthia Bosquillon

List of Publications by Year
in descending order

25 papers	1,104 citations	567281 15 h-index	580821 25 g-index
26 all docs	26 docs citations	26 times ranked	1479 citing authors

#	Article	IF	Citations
1	Influence of formulation excipients and physical characteristics of inhalation dry powders on their aerosolization performance. Journal of Controlled Release, 2001, 70, 329-339.	9.9	266
2	Drug transporters in the lungâ€"do they play a role in the biopharmaceutics of inhaled drugs?. Journal of Pharmaceutical Sciences, 2010, 99, 2240-2255.	3.3	130
3	Pulmonary delivery of growth hormone using dry powders and visualization of its local fate in rats. Journal of Controlled Release, 2004, 96, 233-244.	9.9	129
4	Aerosolization properties, surface composition and physical state of spray-dried protein powders. Journal of Controlled Release, 2004, 99, 357-367.	9.9	111
5	PEGylation of paclitaxel largely improves its safety and anti-tumor efficacy following pulmonary delivery in a mouse model of lung carcinoma. Journal of Controlled Release, 2016, 239, 62-71.	9.9	62
6	Interactions of PEOâ€"PPOâ€"PEO block copolymers with lipid membranes: a computational and experimental study linking membrane lysis with polymer structure. Soft Matter, 2012, 8, 6744.	2.7	61
7	The Missing Lactam-Thermoresponsive and Biocompatible Poly(N-vinylpiperidone) Polymers by Xanthate-Mediated RAFT Polymerization. Macromolecules, 2011, 44, 886-893.	4.8	50
8	In-vitro respiratory drug absorption models possess nominal functional P-glycoprotein activity. Journal of Pharmacy and Pharmacology, 2010, 61, 293-301.	2.4	38
9	In vitro investigation on the impact of airway mucus on drug dissolution and absorption at the air-epithelium interface in the lungs. European Journal of Pharmaceutics and Biopharmaceutics, 2019, 141, 210-220.	4.3	36
10	Relationship between the Affinity of PEO-PPO-PEO Block Copolymers for Biological Membranes and Their Cellular Effects. Pharmaceutical Research, 2012, 29, 1908-1918.	3.5	28
11	A Comparison of Drug Transport in Pulmonary Absorption Models: Isolated Perfused rat Lungs, Respiratory Epithelial Cell Lines and Primary Cell Culture. Pharmaceutical Research, 2017, 34, 2532-2540.	3.5	25
12	Exploring the enzymatic degradation of poly(glycerol adipate). European Journal of Pharmaceutics and Biopharmaceutics, 2019, 142, 377-386.	4.3	24
13	Effect of polymer topology on non-covalent polymerâ€"protein complexation: miktoarm versus linear mPEG-poly(glutamic acid) copolymers. Polymer Chemistry, 2017, 8, 2210-2220.	3.9	19
14	Synthesis and In Vitro Evaluation of Polyethylene Glycol-Paclitaxel Conjugates for Lung Cancer Therapy. Pharmaceutical Research, 2016, 33, 1671-1681.	3.5	16
15	Dry-powder formulations of non-covalent protein complexes with linear or miktoarm copolymers for pulmonary delivery. International Journal of Pharmaceutics, 2018, 540, 78-88.	5.2	16
16	Biodistribution and elimination pathways of PEGylated recombinant human deoxyribonuclease I after pulmonary delivery in mice. Journal of Controlled Release, 2021, 329, 1054-1065.	9.9	14
17	Enhanced expression of Organic Cation Transporters in bronchial epithelial cell layers following insults associated with asthma â€" Impact on salbutamol transport. European Journal of Pharmaceutical Sciences, 2017, 106, 62-70.	4.0	12
18	Contribution of the Alkylquinolone Quorum-Sensing System to the Interaction of Pseudomonas aeruginosa With Bronchial Epithelial Cells. Frontiers in Microbiology, 2018, 9, 3018.	3.5	12

#	Article	IF	Citations
19	Ipratropium is â€˜luminally recycledâ€™ by an inter-play between apical uptake and efflux transporters in Calu-3 bronchial epithelial cell layers. International Journal of Pharmaceutics, 2017, 532, 328-336.	5.2	11
20	Comparison of Gene Transfection and Cytotoxicity Mechanisms of Linear Poly(amidoamine) and Branched Poly(ethyleneimine) Polyplexes. Pharmaceutical Research, 2018, 35, 86.	3.5	11
21	Digoxin net secretory transport in bronchial epithelial cell layers is not exclusively mediated by P-glycoprotein/MDR1. European Journal of Pharmaceutics and Biopharmaceutics, 2014, 86, 74-82.	4.3	8
22	Development of an In Vitro System to Study the Interactions of Aerosolized Drugs with Pulmonary Mucus. Pharmaceutics, 2020, 12, 145.	4.5	8
23	Study on Significance of Receptor Targeting in Killing of Intracellular Bacteria with Membraneâ€Impermeable Antibiotics. Advanced Therapeutics, 2021, 4, 2100168.	3.2	8
24	PEGylation of recombinant human deoxyribonuclease I decreases its transport across lung epithelial cells and uptake by macrophages. International Journal of Pharmaceutics, 2021, 593, 120107.	5.2	7
25	Design, Synthesis, and Evaluation of Lung-Retentive Prodrugs for Extending the Lung Tissue Retention of Inhaled Drugs. Journal of Medicinal Chemistry, 2022, 65, 9802-9818.	6.4	2