

# The Lord of the Lungs: The essential role of pulmonary nanoparticles

European Journal of Pharmaceutics and Biopharmaceutics  
144, 230-243

DOI: [10.1016/j.ejpb.2019.09.020](https://doi.org/10.1016/j.ejpb.2019.09.020)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Electrical characterization of circulation weather types in Northern Spain based on atmospheric nanoparticles measurements: A pilot study. <i>Science of the Total Environment</i> , 2020, 704, 135320.	3.9	5
2	Interactions of particulate matter and pulmonary surfactant: Implications for human health. <i>Advances in Colloid and Interface Science</i> , 2020, 284, 102244.	7.0	56
3	Lyophilization and nebulization of pulmonary surfactant-coated nanogels for siRNA inhalation therapy. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020, 157, 191-199.	2.0	25
4	Inhaled RNA Therapy: From Promise to Reality. <i>Trends in Pharmacological Sciences</i> , 2020, 41, 715-729.	4.0	58
5	Airborne Transmission of COVID-19: Aerosol Dispersion, Lung Deposition, and Virus-Receptor Interactions. <i>ACS Nano</i> , 2020, 14, 16502-16524.	7.3	109
6	Atomic Force Microscopy Imaging of Adsorbed Pulmonary Surfactant Films. <i>Biophysical Journal</i> , 2020, 119, 756-766.	0.2	30
7	Disease Models: Lung Models for Testing Drugs Against Inflammation and Infection. <i>Handbook of Experimental Pharmacology</i> , 2020, 265, 157-186.	0.9	5
8	Simulation of nanoparticle transport and adsorption in a microfluidic lung-on-a-chip device. <i>Biomicrofluidics</i> , 2020, 14, 044117.	1.2	18
9	Exploring the influence of inhaled liposome membrane fluidity on its interaction with pulmonary physiological barriers. <i>Biomaterials Science</i> , 2020, 8, 6786-6797.	2.6	24
10	Molecular and cellular cues governing nanomaterial-mucosae interactions: from nanomedicine to nanotoxicology. <i>Chemical Society Reviews</i> , 2020, 49, 5058-5100.	18.7	39
11	Interaction of Particles with Langmuir Monolayers of 1,2-Dipalmitoyl-Sn-Glycero-3-Phosphocholine: A Matter of Chemistry?. <i>Coatings</i> , 2020, 10, 469.	1.2	19
12	Protective effects of pulmonary surfactant on decompression sickness in rats. <i>Journal of Applied Physiology</i> , 2021, 130, 400-407.	1.2	5
13	Nanoparticle Delivery Systems with Cell-Specific Targeting for Pulmonary Diseases. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2021, 64, 292-307.	1.4	39
14	Albumin-Based LL37 Peptide Nanoparticles as a Sustained Release System against <i>Pseudomonas aeruginosa</i> Lung Infection. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 1817-1826.	2.6	13
15	Fluid Interfaces with Physiological Relevance. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
16	A nano perspective behind the COVID-19 pandemic. <i>Nanoscale Horizons</i> , 2021, 6, 842-855.	4.1	1
17	Nebulised surface-active hybrid nanoparticles of voriconazole for pulmonary Aspergillosis demonstrate clathrin-mediated cellular uptake, improved antifungal efficacy and lung retention. <i>Journal of Nanobiotechnology</i> , 2021, 19, 19.	4.2	23
18	Surfactant Protein B Promotes Cytosolic SiRNA Delivery by Adopting a Virus-like Mechanism of Action. <i>ACS Nano</i> , 2021, 15, 8095-8109.	7.3	24

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19	Polyhydroxyalkanoate Nanoparticles for Pulmonary Drug Delivery: Interaction with Lung Surfactant. <i>Nanomaterials</i> , 2021, 11, 1482.	1.9	20
20	Particle-laden fluid/fluid interfaces: physico-chemical foundations. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 333001.	0.7	21
21	Physiological fluid interfaces: Functional microenvironments, drug delivery targets, and first line of defense. <i>Acta Biomaterialia</i> , 2021, 130, 32-53.	4.1	24
22	Inhaled aerosols: Their role in COVID-19 transmission, including biophysical interactions in the lungs. <i>Current Opinion in Colloid and Interface Science</i> , 2021, 54, 101451.	3.4	33
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26	Nanomaterial-based biosensors for COVID-19 detection. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2022, 47, 955-978.	6.8	5
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30	Inhaled curcumin mesoporous polydopamine nanoparticles against radiation pneumonitis. <i>Acta Pharmaceutica Sinica B</i> , 2022, 12, 2522-2532.	5.7	29
31	Evaluation of the impact of carbonaceous particles in the mechanical performance of lipid Langmuir monolayers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 634, 127974.	2.3	6
32	Physicochemical properties of nanoparticles affecting their fate and the physiological function of pulmonary surfactants. <i>Acta Biomaterialia</i> , 2022, 140, 76-87.	4.1	26
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35	Models using native tracheobronchial mucus in the context of pulmonary drug delivery research: Composition, structure and barrier properties. <i>Advanced Drug Delivery Reviews</i> , 2022, 183, 114141.	6.6	17
36	Elucidating inhaled liposome surface charge on its interaction with biological barriers in the lung. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2022, 172, 101-111.	2.0	27

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38	Fluid Films as Models for Understanding the Impact of Inhaled Particles in Lung Surfactant Layers. Coatings, 2022, 12, 277.	1.2	7
39	Aerosolizable Lipid-Nanovesicles Encapsulating Voriconazole Effectively Permeate Pulmonary Barriers and Target Lung Cells. Frontiers in Pharmacology, 2021, 12, 734913.	1.6	0
40	The lung surfactant activity probed with molecular dynamics simulations. Advances in Colloid and Interface Science, 2022, 304, 102659.	7.0	6
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50	Pulmonary Delivery of Messenger RNA (mRNA) Therapeutics for Respiratory Diseases. RNA Technologies, 2022, , 139-156.	0.2	1
51	Effect of 1-alkyl-1-methylpiperidinium bromides on lipids of fungal plasma membrane and lung surfactant. Chemistry and Physics of Lipids, 2022, 248, 105240.	1.5	2
52	Challenges and Strategies to Enhance the Systemic Absorption of Inhaled Peptides and Proteins. Pharmaceutical Research, 2023, 40, 1037-1055.	1.7	10
53	Optimization of Lung Surfactant Coating of siRNA Polyplexes for Pulmonary Delivery. Pharmaceutical Research, 2024, 41, 77-91.	1.7	3
54	Nanoparticles in Drug Delivery: From History to Therapeutic Applications. Nanomaterials, 2022, 12, 4494.	1.9	46

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56	A Monoclonal Human Alveolar Epithelial Cell Line (â€œArloâ€œ) with Pronounced Barrier Function for Studying Drug Permeability and Viral Infections. <i>Advanced Science</i> , 2023, 10, .	5.6	6
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