Fabrizio Salomone

List of Publications by Year
in descending order

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58	1,217	430874	395702
papers	citations	18	33
		h-index	g-index

58	58	58	1837
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The intracellular trafficking mechanism of Lipofectamine-based transfection reagents and its implication for gene delivery. Scientific Reports, 2016, 6, 25879.	3.3	158
2	Selective Targeting Capability Acquired with a Protein Corona Adsorbed on the Surface of 1,2-Dioleoyl-3-trimethylammonium Propane/DNA Nanoparticles. ACS Applied Materials & Interfaces, 2013, 5, 13171-13179.	8.0	150
3	A novel chimeric cell-penetrating peptide with membrane-disruptive properties for efficient endosomal escape. Journal of Controlled Release, 2012, 163, 293-303.	9.9	119
4	Enhanced Bioactivity of Internally Functionalized Cationic Dendrimers with PEG Cores. Biomacromolecules, 2012, 13, 4089-4097.	5.4	54
5	Metal ions affect insulin-degrading enzyme activity. Journal of Inorganic Biochemistry, 2012, 117, 351-358.	3.5	48
6	In vitro and in vivo comparison between poractant alfa and the new generation synthetic surfactant CHF5633. Pediatric Research, 2017, 81, 369-375.	2.3	39
7	Efficient Interfacially Driven Vehiculization of Corticosteroids by Pulmonary Surfactant. Langmuir, 2017, 33, 7929-7939.	3.5	35
8	Surfactant plus budesonide decreases lung and systemic inflammation in mechanically ventilated preterm sheep. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2019, 316, L888-L893.	2.9	31
9	Effects of budesonide and surfactant in preterm fetal sheep. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 315, L193-L201.	2.9	30
10	Surfactant Injury in the Early Phase of Severe Meconium Aspiration Syndrome. American Journal of Respiratory Cell and Molecular Biology, 2020, 63, 327-337.	2.9	30
11	Aerosol drug delivery to spontaneously-breathing preterm neonates: lessons learned. Respiratory Research, 2021, 22, 71.	3.6	29
12	In vitro and in vivo characterization of poractant alfa supplemented with budesonide for safe and effective intratracheal administration. Pediatric Research, 2017, 82, 1056-1063.	2.3	27
13	In Vitro Efficient Transfection by CM18-Tat11 Hybrid Peptide: A New Tool for Gene-Delivery Applications. PLoS ONE, 2013, 8, e70108.	2.5	27
14	High-Yield Nontoxic Gene Transfer through Conjugation of the CM₁₈-Tat₁₁ Chimeric Peptide with Nanosecond Electric Pulses. Molecular Pharmaceutics, 2014, 11, 2466-2474.	4.6	23
15	Non-steroidal Anti-inflammatory Drugs in Newborns and Infants. Pediatric Clinics of North America, 2017, 64, 1327-1340.	1.8	23
16	Physiological, Biochemical, and Biophysical Characterization of the Lung-Lavaged Spontaneously-Breathing Rabbit as a Model for Respiratory Distress Syndrome. PLoS ONE, 2017, 12, e0169190.	2.5	23
17	Lung deposition of nebulized surfactant in newborn piglets: Nasal CPAP vs Nasal IPPV. Pediatric Pulmonology, 2020, 55, 514-520.	2.0	22
18	Cerebral and lung effects of a new generation synthetic surfactant with SPâ€B and SPâ€C analogs in preterm lambs. Pediatric Pulmonology, 2017, 52, 929-938.	2.0	21

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19	Surfactant plus budesonide decreases lung and systemic responses to injurious ventilation in preterm sheep. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 318, L41-L48.	2.9	19
20	Local pulmonary drug delivery in the preterm rabbit: feasibility and efficacy of daily intratracheal injections. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2019, 316, L589-L597.	2.9	17
21	Dose-Response Study on Surfactant Nebulization Therapy During Nasal Continuous Positive Airway Pressure Ventilation in Spontaneously Breathing Surfactant-Deficient Newborn Piglets*. Pediatric Critical Care Medicine, 2020, 21, e456-e466.	0.5	17
22	Intratracheal budesonide/surfactant attenuates hyperoxia-induced lung injury in preterm rabbits. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 319, L949-L956.	2.9	15
23	Mechanistic Insight into CM18-Tat11 Peptide Membrane-Perturbing Action by Whole-Cell Patch-Clamp Recording. Molecules, 2014, 19, 9228-9239.	3.8	14
24	Extended Pharmacopeial Characterization of Surfactant Aerosols Generated by a Customized eFlow Neos Nebulizer Delivered through Neonatal Nasal Prongs. Pharmaceutics, 2020, 12, 319.	4.5	14
25	Metabolism of a synthetic compared with a natural therapeutic pulmonary surfactant in adult mice. Journal of Lipid Research, 2018, 59, 1880-1892.	4.2	13
26	Nebulized Poractant Alfa Reduces the Risk of Respiratory Failure at 72 Hours in Spontaneously Breathing Surfactant-Deficient Newborn Piglets. Critical Care Medicine, 2020, 48, e523-e531.	0.9	13
27	Surfactant lung delivery with LISA and InSurE in adult rabbits with respiratory distress. Pediatric Research, 2021, 90, 576-583.	2.3	13
28	Sample preparation strategy for the detection of steroid-like compounds using MALDI mass spectrometry imaging: pulmonary distribution of budesonide as a case study. Analytical and Bioanalytical Chemistry, 2021, 413, 4363-4371.	3.7	13
29	Dose of budesonide with surfactant affects lung and systemic inflammation after normal and injurious ventilation in preterm lambs. Pediatric Research, 2020, 88, 726-732.	2.3	12
30	Lung ultrasound features and relationships with respiratory mechanics of evolving BPD in preterm rabbits and human neonates. Journal of Applied Physiology, 2021, 131, 895-904.	2.5	12
31	In Vitro Performance of an Investigational Vibrating-Membrane Nebulizer with Surfactant under Simulated, Non-Invasive Neonatal Ventilation Conditions: Influence of Continuous Positive Airway Pressure Interface and Nebulizer Positioning on the Lung Dose. Pharmaceutics, 2020, 12, 257.	4.5	11
32	Small Molecule Inhibitor Adjuvant Surfactant Therapy Attenuates Ventilator- and Hyperoxia-Induced Lung Injury in Preterm Rabbits. Frontiers in Physiology, 2020, 11, 266.	2.8	11
33	Human retinal endothelial cells and astrocytes cultured on 3-D scaffolds for ocular drug discovery and development. Prostaglandins and Other Lipid Mediators, 2018, 134, 93-107.	1.9	10
34	Surfactant replacement therapy in combination with different non-invasive ventilation techniques in spontaneously-breathing, surfactant-depleted adult rabbits. PLoS ONE, 2018, 13, e0200542.	2.5	10
35	In Vivo Evaluation of the Acute Pulmonary Response to Poractant Alfa and Bovactant Treatments in Lung-Lavaged Adult Rabbits and in Preterm Lambs with Respiratory Distress Syndrome. Frontiers in Pediatrics, 2017, 5, 186.	1.9	9
36	Cerebral oxygenation associated with INSURE versus LISA procedures in surfactantâ€deficient newborn piglet RDS model. Pediatric Pulmonology, 2019, 54, 644-654.	2.0	9

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37	Pulmonary Surfactant: A Unique Biomaterial with Life-saving Therapeutic Applications. Current Medicinal Chemistry, 2022, 29, 526-590.	2.4	9
38	Quenching of tryptophan fluorescence in a highly scattering solution: Insights on protein localization in a lung surfactant formulation. PLoS ONE, 2018, 13, e0201926.	2.5	8
39	Simultaneous Detection of Local Polarizability and Viscosity by a Single Fluorescent Probe in Cells. Biophysical Journal, 2018, 114, 2212-2220.	0.5	8
40	Mass spectrometry imaging as a tool for evaluating the pulmonary distribution of exogenous surfactant in premature lambs. Respiratory Research, 2019, 20, 175.	3.6	8
41	Budesonide with surfactant decreases systemic responses in mechanically ventilated preterm lambs exposed to fetal intra-amniotic lipopolysaccharide. Pediatric Research, 2021, 90, 328-334.	2.3	8
42	In vitro characterization and in vivo comparison of the pulmonary outcomes of Poractant alfa and Calsurf in ventilated preterm rabbits. PLoS ONE, 2020, 15, e0230229.	2.5	7
43	Behavior of thin liquid films from aqueous solutions of a pulmonary surfactant in presence of corticosteroids. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 521, 105-111.	4.7	6
44	Non-invasive ventilation and surfactant treatment as the primary mode of respiratory support in surfactant-deficient newborn piglets. Pediatric Research, 2018, 83, 904-914.	2.3	6
45	Role of cholesterol on the transfection barriers of cationic lipid/DNA complexes. Applied Physics Letters, 2014, 105, .	3.3	5
46	Design-Based Stereology of the Lung in the Hyperoxic Preterm Rabbit Model of Bronchopulmonary Dysplasia. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-12.	4.0	4
47	A new anesthesia protocol enabling longitudinal lung-function measurements in neonatal rabbits by micro-CT. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 321, L1206-L1214.	2.9	4
48	The benefits, limitations and opportunities of preclinical models for neonatal drug development. DMM Disease Models and Mechanisms, 2022, 15, .	2.4	4
49	Thin liquid films from a new synthetic pulmonary surfactant preparation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 519, 20-26.	4.7	3
50	Lung Deposition of Surfactant Delivered via a Dedicated Laryngeal Mask Airway in Piglets. Pharmaceutics, 2021, 13, 1858.	4.5	3
51	Deuteriumâ€depleted water: A new tracer to label pulmonary surfactant lipids in adult rabbits. Journal of Mass Spectrometry, 2022, 57, e4808.	1.6	3
52	Efficacy of synthetic surfactant (CHF5633) bolus and/or lavage in meconium-induced lung injury in ventilated newborn rabbits. Pediatric Research, 0, , .	2.3	3
53	Estimating the contribution of surfactant replacement therapy to the alveolar pool: An in vivo study based on ¹³C natural abundance in rabbits. Journal of Mass Spectrometry, 2018, 53, 560-564.	1.6	2
54	Tracing exogenous surfactant in vivo in rabbits by the natural variation of 13C. Respiratory Research, 2019, 20, 158.	3.6	2

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55	Surfactant nebulization therapy during NIPPV ventilation in surfactantâ€deficient newborn piglets. Pediatric Pulmonology, 2021, 56, 2125-2135.	2.0	2
56	Preclinical Assessment of Nebulized Surfactant Delivered through Neonatal High Flow Nasal Cannula Respiratory Support. Pharmaceutics, 2022, 14, 1093.	4.5	1
57	Surfactant-Assisted Distal Pulmonary Distribution of Budesonide Revealed by Mass Spectrometry Imaging. Pharmaceutics, 2021, 13, 868.	4.5	0
58	The authors reply. Pediatric Critical Care Medicine, 2020, 21, 927-928.	0.5	0