

Fabrizio Salomone

List of Publications by Year in descending order

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58
papers

1,217
citations

430874

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395702

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58
times ranked

1837
citing authors

#	ARTICLE	IF	CITATIONS
1	Pulmonary Surfactant: A Unique Biomaterial with Life-saving Therapeutic Applications. <i>Current Medicinal Chemistry</i> , 2022, 29, 526-590.	2.4	9
2	Deuterium- δ -depleted water: A new tracer to label pulmonary surfactant lipids in adult rabbits. <i>Journal of Mass Spectrometry</i> , 2022, 57, e4808.	1.6	3
3	The benefits, limitations and opportunities of preclinical models for neonatal drug development. <i>DMM Disease Models and Mechanisms</i> , 2022, 15, .	2.4	4
4	Preclinical Assessment of Nebulized Surfactant Delivered through Neonatal High Flow Nasal Cannula Respiratory Support. <i>Pharmaceutics</i> , 2022, 14, 1093.	4.5	1
5	Budesonide with surfactant decreases systemic responses in mechanically ventilated preterm lambs exposed to fetal intra-amniotic lipopolysaccharide. <i>Pediatric Research</i> , 2021, 90, 328-334.	2.3	8
6	Surfactant lung delivery with LISA and InSurE in adult rabbits with respiratory distress. <i>Pediatric Research</i> , 2021, 90, 576-583.	2.3	13
7	Aerosol drug delivery to spontaneously-breathing preterm neonates: lessons learned. <i>Respiratory Research</i> , 2021, 22, 71.	3.6	29
8	Sample preparation strategy for the detection of steroid-like compounds using MALDI mass spectrometry imaging: pulmonary distribution of budesonide as a case study. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 4363-4371.	3.7	13
9	Surfactant nebulization therapy during NIPPV ventilation in surfactant- δ -deficient newborn piglets. <i>Pediatric Pulmonology</i> , 2021, 56, 2125-2135.	2.0	2
10	Surfactant-Assisted Distal Pulmonary Distribution of Budesonide Revealed by Mass Spectrometry Imaging. <i>Pharmaceutics</i> , 2021, 13, 868.	4.5	0
11	Lung ultrasound features and relationships with respiratory mechanics of evolving BPD in preterm rabbits and human neonates. <i>Journal of Applied Physiology</i> , 2021, 131, 895-904.	2.5	12
12	Design-Based Stereology of the Lung in the Hyperoxic Preterm Rabbit Model of Bronchopulmonary Dysplasia. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-12.	4.0	4
13	Lung Deposition of Surfactant Delivered via a Dedicated Laryngeal Mask Airway in Piglets. <i>Pharmaceutics</i> , 2021, 13, 1858.	4.5	3
14	A new anesthesia protocol enabling longitudinal lung-function measurements in neonatal rabbits by micro-CT. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021, 321, L1206-L1214.	2.9	4
15	Surfactant plus budesonide decreases lung and systemic responses to injurious ventilation in preterm sheep. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 318, L41-L48.	2.9	19
16	Lung deposition of nebulized surfactant in newborn piglets: Nasal CPAP vs Nasal IPPV. <i>Pediatric Pulmonology</i> , 2020, 55, 514-520.	2.0	22
17	Intratracheal budesonide/surfactant attenuates hyperoxia-induced lung injury in preterm rabbits. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 319, L949-L956.	2.9	15
18	Surfactant Injury in the Early Phase of Severe Meconium Aspiration Syndrome. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2020, 63, 327-337.	2.9	30

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19	Nebulized Poractant Alfa Reduces the Risk of Respiratory Failure at 72 Hours in Spontaneously Breathing Surfactant-Deficient Newborn Piglets. <i>Critical Care Medicine</i> , 2020, 48, e523-e531.	0.9	13
20	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. <i>Pharmaceutics</i> , 2020, 12, 257.	4.5	11
21	In vitro characterization and in vivo comparison of the pulmonary outcomes of Poractant alfa and Calsurf in ventilated preterm rabbits. <i>PLoS ONE</i> , 2020, 15, e0230229.	2.5	7
22	Dose-Response Study on Surfactant Nebulization Therapy During Nasal Continuous Positive Airway Pressure Ventilation in Spontaneously Breathing Surfactant-Deficient Newborn Piglets*. <i>Pediatric Critical Care Medicine</i> , 2020, 21, e456-e466.	0.5	17
23	Dose of budesonide with surfactant affects lung and systemic inflammation after normal and injurious ventilation in preterm lambs. <i>Pediatric Research</i> , 2020, 88, 726-732.	2.3	12
24	Small Molecule Inhibitor Adjuvant Surfactant Therapy Attenuates Ventilator- and Hyperoxia-Induced Lung Injury in Preterm Rabbits. <i>Frontiers in Physiology</i> , 2020, 11, 266.	2.8	11
25	Extended Pharmacopeial Characterization of Surfactant Aerosols Generated by a Customized eFlow Neos Nebulizer Delivered through Neonatal Nasal Prongs. <i>Pharmaceutics</i> , 2020, 12, 319.	4.5	14
26	The authors reply. <i>Pediatric Critical Care Medicine</i> , 2020, 21, 927-928.	0.5	0
27	Mass spectrometry imaging as a tool for evaluating the pulmonary distribution of exogenous surfactant in premature lambs. <i>Respiratory Research</i> , 2019, 20, 175.	3.6	8
28	Tracing exogenous surfactant in vivo in rabbits by the natural variation of ¹³ C. <i>Respiratory Research</i> , 2019, 20, 158.	3.6	2
29	Surfactant plus budesonide decreases lung and systemic inflammation in mechanically ventilated preterm sheep. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2019, 316, L888-L893.	2.9	31
30	Local pulmonary drug delivery in the preterm rabbit: feasibility and efficacy of daily intratracheal injections. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2019, 316, L589-L597.	2.9	17
31	Cerebral oxygenation associated with INSURE versus LISA procedures in surfactant-deficient newborn piglet RDS model. <i>Pediatric Pulmonology</i> , 2019, 54, 644-654.	2.0	9
32	Non-invasive ventilation and surfactant treatment as the primary mode of respiratory support in surfactant-deficient newborn piglets. <i>Pediatric Research</i> , 2018, 83, 904-914.	2.3	6
33	Estimating the contribution of surfactant replacement therapy to the alveolar pool: An <i>in vivo</i> study based on ¹³ C natural abundance in rabbits. <i>Journal of Mass Spectrometry</i> , 2018, 53, 560-564.	1.6	2
34	Human retinal endothelial cells and astrocytes cultured on 3-D scaffolds for ocular drug discovery and development. <i>Prostaglandins and Other Lipid Mediators</i> , 2018, 134, 93-107.	1.9	10
35	Metabolism of a synthetic compared with a natural therapeutic pulmonary surfactant in adult mice. <i>Journal of Lipid Research</i> , 2018, 59, 1880-1892.	4.2	13
36	Quenching of tryptophan fluorescence in a highly scattering solution: Insights on protein localization in a lung surfactant formulation. <i>PLoS ONE</i> , 2018, 13, e0201926.	2.5	8

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37	Effects of budesonide and surfactant in preterm fetal sheep. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2018, 315, L193-L201.	2.9	30
38	Surfactant replacement therapy in combination with different non-invasive ventilation techniques in spontaneously-breathing, surfactant-depleted adult rabbits. <i>PLoS ONE</i> , 2018, 13, e0200542.	2.5	10
39	Simultaneous Detection of Local Polarizability and Viscosity by a Single Fluorescent Probe in Cells. <i>Biophysical Journal</i> , 2018, 114, 2212-2220.	0.5	8
40	Cerebral and lung effects of a new generation synthetic surfactant with SPa€B and SPa€C analogs in preterm lambs. <i>Pediatric Pulmonology</i> , 2017, 52, 929-938.	2.0	21
41	In vitro and in vivo comparison between poractant alfa and the new generation synthetic surfactant CHF5633. <i>Pediatric Research</i> , 2017, 81, 369-375.	2.3	39
42	Efficient Interfacially Driven Vehiculization of Corticosteroids by Pulmonary Surfactant. <i>Langmuir</i> , 2017, 33, 7929-7939.	3.5	35
43	In vitro and in vivo characterization of poractant alfa supplemented with budesonide for safe and effective intratracheal administration. <i>Pediatric Research</i> , 2017, 82, 1056-1063.	2.3	27
44	Non-steroidal Anti-inflammatory Drugs in Newborns and Infants. <i>Pediatric Clinics of North America</i> , 2017, 64, 1327-1340.	1.8	23
45	Thin liquid films from a new synthetic pulmonary surfactant preparation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 519, 20-26.	4.7	3
46	Behavior of thin liquid films from aqueous solutions of a pulmonary surfactant in presence of corticosteroids. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 521, 105-111.	4.7	6
47	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. <i>Frontiers in Pediatrics</i> , 2017, 5, 186.	1.9	9
48	Physiological, Biochemical, and Biophysical Characterization of the Lung-Lavaged Spontaneously-Breathing Rabbit as a Model for Respiratory Distress Syndrome. <i>PLoS ONE</i> , 2017, 12, e0169190.	2.5	23
49	The intracellular trafficking mechanism of Lipofectamine-based transfection reagents and its implication for gene delivery. <i>Scientific Reports</i> , 2016, 6, 25879.	3.3	158
50	Mechanistic Insight into CM18-Tat11 Peptide Membrane-Perturbing Action by Whole-Cell Patch-Clamp Recording. <i>Molecules</i> , 2014, 19, 9228-9239.	3.8	14
51	Role of cholesterol on the transfection barriers of cationic lipid/DNA complexes. <i>Applied Physics Letters</i> , 2014, 105, .	3.3	5
52	High-Yield Nontoxic Gene Transfer through Conjugation of the CM ₁₈ -Tat ₁₁ Chimeric Peptide with Nanosecond Electric Pulses. <i>Molecular Pharmaceutics</i> , 2014, 11, 2466-2474.	4.6	23
53	Selective Targeting Capability Acquired with a Protein Corona Adsorbed on the Surface of 1,2-Dioleoyl-3-trimethylammonium Propane/DNA Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 13171-13179.	8.0	150
54	In Vitro Efficient Transfection by CM18-Tat11 Hybrid Peptide: A New Tool for Gene-Delivery Applications. <i>PLoS ONE</i> , 2013, 8, e70108.	2.5	27

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55	A novel chimeric cell-penetrating peptide with membrane-disruptive properties for efficient endosomal escape. <i>Journal of Controlled Release</i> , 2012, 163, 293-303.	9.9	119
56	Enhanced Bioactivity of Internally Functionalized Cationic Dendrimers with PEG Cores. <i>Biomacromolecules</i> , 2012, 13, 4089-4097.	5.4	54
57	Metal ions affect insulin-degrading enzyme activity. <i>Journal of Inorganic Biochemistry</i> , 2012, 117, 351-358.	3.5	48
58	Efficacy of synthetic surfactant (CHF5633) bolus and/or lavage in meconium-induced lung injury in ventilated newborn rabbits. <i>Pediatric Research</i> , 0, , .	2.3	3