Jesus Perez-Gil

List of Publications by Year
in descending order

239 papers	8,894 citations	39113 52 h-index	64407 83 g-index
244 all docs	244 docs citations	244 times ranked	6150 citing authors

#	Article	IF	Citations
1	Compositional, structural and functional properties of discrete coexisting complexes within bronchoalveolar pulmonary surfactant. Biochimica Et Biophysica Acta - Biomembranes, 2022, 1864, 183808.	1.4	1
2	The highly packed and dehydrated structure of preformed unexposed human pulmonary surfactant isolated from amniotic fluid. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2022, 322, L191-L203.	1.3	1
3	Amniotic fluid surfactant: a new approach to the study of structure and function of pulmonary surfactant. Biophysical Journal, 2022, 121, 489a.	0.2	0
4	A recipe for a good clinical pulmonary surfactant. Biomedical Journal, 2022, 45, 615-628.	1.4	16
5	Dimerization of the pulmonary surfactant protein C in a membrane environment. PLoS ONE, 2022, 17, e0267155.	1.1	5
6	Pulmonary surfactant and drug delivery: Vehiculization, release and targeting of surfactant/tacrolimus formulations. Journal of Controlled Release, 2021, 329, 205-222.	4.8	34
7	Pulmonary glycogen deficiency as a new potential cause of respiratory distress syndrome. Human Molecular Genetics, 2021, 29, 3554-3565.	1.4	3
8	Towards the Molecular Mechanism of Pulmonary Surfactant Protein SP-B: At the Crossroad of Membrane Permeability and Interfacial Lipid Transfer. Journal of Molecular Biology, 2021, 433, 166749.	2.0	8
9	Molecular and biophysical basis for the disruption of lung surfactant function by chemicals. Biochimica Et Biophysica Acta - Biomembranes, 2021, 1863, 183499.	1.4	12
10	An adverse outcome pathway for lung surfactant function inhibition leading to decreased lung function. Current Research in Toxicology, 2021, 2, 225-236.	1.3	23
11	Surfactant therapies for pediatric and neonatal ARDS: ESPNIC expert consensus opinion for future research steps. Critical Care, 2021, 25, 75.	2.5	26
12	Dietary Carbohydrates and Fat Induce Distinct Surfactant Alterations in Mice. American Journal of Respiratory Cell and Molecular Biology, 2021, 64, 379-390.	1.4	12
13	Surfactant Protein B Promotes Cytosolic SiRNA Delivery by Adopting a Virus-like Mechanism of Action. ACS Nano, 2021, 15, 8095-8109.	7.3	24
14	Increased Alveolar Heparan Sulphate and Reduced Pulmonary Surfactant Amount and Function in the Mucopolysaccharidosis IIIA Mouse. Cells, 2021, 10, 849.	1.8	5
15	Structural hallmarks of lung surfactant: Lipid-protein interactions, membrane structure and future challenges. Archives of Biochemistry and Biophysics, 2021, 703, 108850.	1.4	33
16	Polyhydroxyalkanoate Nanoparticles for Pulmonary Drug Delivery: Interaction with Lung Surfactant. Nanomaterials, 2021, 11, 1482.	1.9	20
17	Role of pulmonary surfactant protein Sp-C dimerization on membrane fragmentation: An emergent mechanism involved in lung defense and homeostasis. Biochimica Et Biophysica Acta - Biomembranes, 2021, 1863, 183572.	1.4	8
18	Systematic Analysis of Composition, Interfacial Performance and Effects of Pulmonary Surfactant Preparations on Cellular Uptake and Cytotoxicity of Aerosolized Nanomaterials. Small Science, 2021, 1, 2100067.	5.8	6

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19	Translational Biophysics â€“ 20th IUPAB Congress Session Commentary. Biophysical Reviews, 2021, 13, 875-877.	1.5	1
20	Effect of Whole Body Hypothermia on Surfactant Function When Amniotic Fluid Is Meconium Stained. Therapeutic Hypothermia and Temperature Management, 2020, 10, 186-189.	0.3	10
21	Per- and polyfluoroalkyl substances (PFASs) modify lung surfactant function and pro-inflammatory responses in human bronchial epithelial cells. Toxicology in Vitro, 2020, 62, 104656.	1.1	47
22	Functional characterization of the different oligomeric forms of human surfactant protein SP-D. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2020, 1868, 140436.	1.1	10
23	Aging impairs alveolar epithelial type II cell function in acute lung injury. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 319, L755-L769.	1.3	23
24	Surfactant Injury in the Early Phase of Severe Meconium Aspiration Syndrome. American Journal of Respiratory Cell and Molecular Biology, 2020, 63, 327-337.	1.4	30
25	Surfactant-secreted phospholipase A2interplay and respiratory outcome in preterm neonates. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 319, L95-L104.	1.3	11
26	Structure and activity of human surfactant protein D from different natural sources. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 319, L148-L158.	1.3	8
27	Lipidâ€“Protein and Proteinâ€“Protein Interactions in the Pulmonary Surfactant System and Their Role in Lung Homeostasis. International Journal of Molecular Sciences, 2020, 21, 3708.	1.8	72
28	Biophysical and biological impact on the structure and IgE-binding of the interaction of the olive pollen allergen Ole e 7 with lipids. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183258.	1.4	9
29	Pulmonary Surfactant Lipid Reorganization Induced by the Adsorption of the Oligomeric Surfactant Protein B Complex. Journal of Molecular Biology, 2020, 432, 3251-3268.	2.0	29
30	Pulmonary surfactant protein SP-B nanorings induce the multilamellar organization of surfactant complexes. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183216.	1.4	18
31	Mechanistic Insights in the Interaction of Chemicals with Surfactant Membrane Models in vitro. Biophysical Journal, 2020, 118, 86a.	0.2	0
32	Structure of Lung Surfactant from Different Sources: A Small-Angle-X-Ray Scattering (SAXS) Study. Biophysical Journal, 2020, 118, 385a.	0.2	0
33	Air Space Distension Precedes Spontaneous Fibrotic Remodeling and Impaired Cholesterol Metabolism in the Absence of Surfactant Protein C. American Journal of Respiratory Cell and Molecular Biology, 2020, 62, 466-478.	1.4	22
34	In Vitro Functional and Structural Characterization of A Synthetic Clinical Pulmonary Surfactant with Enhanced Resistance to Inhibition. Scientific Reports, 2020, 10, 1385.	1.6	19
35	Dissecting the Polyhydroxyalkanoate-Binding Domain of the PhaF Phasin: Rational Design of a Minimized Affinity Tag. Applied and Environmental Microbiology, 2020, 86, .	1.4	7
36	Pulmonary Surfactant and Drug Delivery: An Interface-Assisted Carrier to Deliver Surfactant Protein SP-D Into the Airways. Frontiers in Bioengineering and Biotechnology, 2020, 8, 613276.	2.0	10

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37	Telomerase treatment prevents lung profibrotic pathologies associated with physiological aging. Journal of Cell Biology, 2020, 219, .	2.3	36
38	Understanding the principle biophysics concepts of pulmonary surfactant in health and disease. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2019, 104, fetalneonatal-2018-315413.	1.4	58
39	Native supramolecular protein complexes in pulmonary surfactant: Evidences for SP-A/SP-B interactions. Journal of Proteomics, 2019, 207, 103466.	1.2	5
40	Nanocarrier Lipid Composition Modulates the Impact of Pulmonary Surfactant Protein B (SP-B) on Cellular Delivery of siRNA. Pharmaceutics, 2019, 11, 431.	2.0	12
41	The Lord of the Lungs: The essential role of pulmonary surfactant upon inhalation of nanoparticles. European Journal of Pharmaceutics and Biopharmaceutics, 2019, 144, 230-243.	2.0	78
42	Human Picobirnavirus Capsids as Potential Nanocarriers for Drug Delivery Within Pulmonary Surfactant Contexts. Biophysical Journal, 2019, 116, 370a.	0.2	0
43	Oligomerization State of SP-C Involved in Membrane Fragmentation and Innate Defense. Biophysical Journal, 2019, 116, 370a.	0.2	0
44	SP-D attenuates LPS-induced formation of human neutrophil extracellular traps (NETs), protecting pulmonary surfactant inactivation by NETs. Communications Biology, 2019, 2, 470.	2.0	33
45	Interfacial Activity of Phasin PhaF fromPseudomonas putidaKT2440 at Hydrophobicâ€"Hydrophilic Biointerfaces. Langmuir, 2019, 35, 678-686.	1.6	12
46	Protein and lipid fingerprinting of native-like membrane complexes by combining TLC and protein electrophoresis. Journal of Lipid Research, 2019, 60, 430-435.	2.0	4
47	Supramolecular Assembly of Human Pulmonary Surfactant Protein SP-D. Journal of Molecular Biology, 2018, 430, 1495-1509.	2.0	26
48	Looking for Groundbreaking Structural and Functional Features in the Lung Surfactant System using a Surface-Active Agent Purified from Human Amniotic Fluid. Biophysical Journal, 2018, 114, 103a.	0.2	0
49	Homo- and hetero-oligomerization of hydrophobic pulmonary surfactant proteins SP-B and SP-C in surfactant phospholipid membranes. Journal of Biological Chemistry, 2018, 293, 9399-9411.	1.6	30
50	Effect of Hypothermia on the Biophysical Performance of Pulmonary Surfactant from Neonates with and without Lung Injury. Biophysical Journal, 2018, 114, 97a.	0.2	0
51	Pulmonary surfactant and drug delivery: Focusing on the role of surfactant proteins. Journal of Controlled Release, 2018, 291, 116-126.	4.8	97
52	Inhibition and counterinhibition of Surfacen, a clinical lung surfactant of natural origin. PLoS ONE, 2018, 13, e0204050.	1.1	12
53	Pulmonary surfactant protein SPâ€B promotes exocytosis of lamellar bodies in alveolar type II cells. FASEB Journal, 2018, 32, 4600-4611.	0.2	26
54	Metabolism of a synthetic compared with a natural therapeutic pulmonary surfactant in adult mice. Journal of Lipid Research, 2018, 59, 1880-1892.	2.0	13

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55	Surfactant protein B (SP-B) enhances the cellular siRNA delivery of proteolipid coated nanogels for inhalation therapy. Acta Biomaterialia, 2018, 78, 236-246.	4.1	60
56	Controlled hypothermia may improve surfactant function in asphyxiated neonates with or without meconium aspiration syndrome. PLoS ONE, 2018, 13, e0192295.	1.1	28
57	Pulmonary surfactant and nanocarriers: Toxicity versus combined nanomedical applications. Biochimica Et Biophysica Acta - Biomembranes, 2017, 1859, 1740-1748.	1.4	82
58	Human SP-A1 Enhances Interfacial Properties of Lung Surfactant and Restores a Proper Behavior in the Presence of Inhibitory Agents. Biophysical Journal, 2017, 112, 228a.	0.2	0
59	Delivery of Lung Surfactant SP-C Based Nanostructures to Respiratory Air-Liquid Interfacial Films. Biophysical Journal, 2017, 112, 389a-390a.	0.2	1
60	Structural Characterization of Human Pulmonary Surfactant Protein SP-D by Atomic Force Microscopy. Biophysical Journal, 2017, 112, 503a.	0.2	0
61	Permeability of Pulmonary Surfactant Membranes is Modulated by Proteins SP-B and SP-C. Biophysical Journal, 2017, 112, 503a.	0.2	1
62	Functional and Structural Characterization of Pulmonary Surfactant Fractions Obtained from Bronchoalveolar Lavages. Biophysical Journal, 2017, 112, 83a.	0.2	0
63	Restoring pulmonary surfactant membranes and films at the respiratory surface. Biochimica Et Biophysica Acta - Biomembranes, 2017, 1859, 1725-1739.	1.4	83
64	A Noninvasive Surfactant Adsorption Test Predicting the Need for Surfactant Therapy in Preterm Infants Treated with Continuous Positive Airway Pressure. Journal of Pediatrics, 2017, 182, 66-73.e1.	0.9	42
65	Divide & Conquer: Surfactant Protein SP-C and Cholesterol Modulate Phase Segregation in Lung Surfactant. Biophysical Journal, 2017, 113, 847-859.	0.2	24
66	Efficient Interfacially Driven Vehiculization of Corticosteroids by Pulmonary Surfactant. Langmuir, 2017, 33, 7929-7939.	1.6	35
67	Human amniotic membrane as newly identified source of amniotic fluid pulmonary surfactant. Scientific Reports, 2017, 7, 6406.	1.6	16
68	Effects of HIV-1 gp41-Derived Virucidal Peptides on Virus-like Lipid Membranes. Biophysical Journal, 2017, 113, 1301-1310.	0.2	12
69	Pulmonary surfactant metabolism in the alveolar airspace: Biogenesis, extracellular conversions, recycling. Annals of Anatomy, 2017, 209, 78-92.	1.0	90
70	A small key unlocks a heavy door: The essential function of the small hydrophobic proteins SP-B and SP-C to trigger adsorption of pulmonary surfactant lamellar bodies. Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 2124-2134.	1.9	38
71	Surface Activity as a Crucial Factor of the Biological Actions of Ole e 1, the Main Aeroallergen of Olive Tree (<i>Olea europaea</i>) Pollen. Langmuir, 2016, 32, 11055-11062.	1.6	9
72	Human Pulmonary Surfactant Protein SP-A1 Provides Maximal Efficiency of Lung Interfacial Films. Biophysical Journal, 2016, 111, 524-536.	0.2	58

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73	Functional organization of the HIV lipid envelope. Scientific Reports, 2016, 6, 34190.	1.6	38
74	Effect of Lung Surfactant Protein SP-C and SP-C-Promoted Membrane Fragmentation on Cholesterol Dynamics. Biophysical Journal, 2016, 111, 1703-1713.	0.2	30
75	Surfactant dysfunction during overexpression of TGF-Î²1 precedes profibrotic lung remodeling in vivo. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 310, L1260-L1271.	1.3	49
76	Conformational Stability of the NH2-Terminal Propeptide of the Precursor of Pulmonary Surfactant Protein SP-B. PLoS ONE, 2016, 11, e0158430.	1.1	3
77	Biophisical Evaluation of Drug Impact on Pulmonary Surfactant Performance. Biophysical Journal, 2015, 108, 245a.	0.2	0
78	Pneumocytes Assemble Lung Surfactant as Highly Packed/Dehydrated States with Optimal Surface Activity. Biophysical Journal, 2015, 109, 2295-2306.	0.2	21
79	Surfing the continuous and walking amongst molecules to unravel the mechanical properties of biomembranes. Chemistry and Physics of Lipids, 2015, 185, 1-2.	1.5	0
80	A model for the structure and mechanism of action of pulmonary surfactant protein B. FASEB Journal, 2015, 29, 4236-4247.	0.2	50
81	Barrier or carrier? Pulmonary surfactant and drug delivery. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 95, 117-127.	2.0	136
82	A Combined Effect of Proteins SP-B and SP-C and Membrane Curvature on Cholesterol Partition in Lung Surfactant Membranes: Answers from Fluorescence. Biophysical Journal, 2015, 108, 557a.	0.2	0
83	Bio-inspired materials in drug delivery: Exploring the role of pulmonary surfactant in siRNA inhalation therapy. Journal of Controlled Release, 2015, 220, 642-650.	4.8	44
84	Proteomic and Lipidomic Analysis of Nanoparticle Corona upon Contact with Lung Surfactant Reveals Differences in Protein, but Not Lipid Composition. ACS Nano, 2015, 9, 11872-11885.	7.3	164
85	Palmitoylation as a key factor to modulate SP-Câ€"lipid interactions in lung surfactant membrane multilayers. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 184-191.	1.4	21
86	Composition, structure and mechanical properties define performance of pulmonary surfactant membranes and films. Chemistry and Physics of Lipids, 2015, 185, 153-175.	1.5	219
87	New approach to the treatment of bleomycin-induced lung fibrosis using pulmonary surfactant as pirfenidone carrier into the lung. , 2015, , .		0
88	Human Decidua-Derived Mesenchymal Stem Cells Differentiate into Functional Alveolar Type II-Like Cells that Synthesize and Secrete Pulmonary Surfactant Complexes. PLoS ONE, 2014, 9, e110195.	1.1	20
89	Effect of whole body hypothermia on inflammation and surfactant function in asphyxiated neonates. European Respiratory Journal, 2014, 44, 1708-1710.	3.1	23
90	Acidic pH triggers conformational changes at the NH2-terminal propeptide of the precursor of pulmonary surfactant protein B to form a coiled coil structure. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 1738-1751.	1.4	12

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91	Structure-function relationships in pulmonary surfactant membranes: From biophysics to therapy. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 1568-1585.	1.4	204
92	Palmitoylation as a Key Factor to Understand Sp-C-Lipid Interactions in the Lung Surfactant System. Biophysical Journal, 2014, 106, 513a.	0.2	0
93	Physiological variables affecting surface film formation by native lamellar body-like pulmonary surfactant particles. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 1842-1850.	1.4	23
94	Functional and Structural Characterization of Pulmonary Surfactant Protein SP-C in Nanodiscs: A Nanotechnological Approach. Biophysical Journal, 2014, 106, 516a.	0.2	0
95	Effect of hypoxia on lung gene expression and proteomic profile: Insights into the pulmonary surfactant response. Journal of Proteomics, 2014, 101, 179-191.	1.2	12
96	Nontoxic impact of PEG-coated gold nanospheres on functional pulmonary surfactant-secreting alveolar type II cells. Nanotoxicology, 2014, 8, 813-823.	1.6	23
97	Effects of Dehydration-Rehydration on the Structural and Functional Properties of Pulmonary Surfactant. Biophysical Journal, 2014, 106, 81a-82a.	0.2	0
98	Structureâ€"function correlations of pulmonary surfactant protein SP-B and the saposin-like family of proteins. European Biophysics Journal, 2013, 42, 209-222.	1.2	69
99	Effect of Cholesterol and Palmitoylation on the Structure, Orientation and Lipid-Protein Interactions of Pulmonary Surfactant Protein SP-C. Biophysical Journal, 2013, 104, 63a-64a.	0.2	0
100	Interfacial Behavior of Murine Pulmonary Surfactant Expressing Different Human Surfactant Protein SP-A Variants. Biophysical Journal, 2013, 104, 63a.	0.2	1
101	Transient Exposure of Pulmonary Surfactant to Hyaluronan Promotes Structural and Compositional Transformations into a Highly Active State. Journal of Biological Chemistry, 2013, 288, 29872-29881.	1.6	20
102	Pre-Exposure of Pulmonary Surfactant to Hyaluronic Acid Alters its Structure and Interfacial Properties. Biophysical Journal, 2013, 104, 433a.	0.2	0
103	Membrane-Perturbing Activities of KL4-Related Surfactant Peptides. Biophysical Journal, 2013, 104, 94a-95a.	0.2	0
104	Hydrophobic Pulmonary Surfactant Proteins SP-B and SP-C Induce Pore Formation in Planar Lipid Membranes: Evidence for Proteolipid Pores. Biophysical Journal, 2013, 104, 146-155.	0.2	45
105	Interfacial Activity of Pulmonary Surfactant Combined with Gold Nanoparticles: A Promising Tool in Lung Medicine. Biophysical Journal, 2013, 104, 677a.	0.2	0
106	Segregated ordered lipid phases and protein-promoted membrane cohesivity are required for pulmonary surfactant films to stabilize and protect the respiratory surface. Faraday Discussions, 2013, 161, 535-548.	1.6	57
107	Adaptations to hibernation in lung surfactant composition of 13-lined ground squirrels influence surfactant lipid phase segregation properties. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 1707-1714.	1.4	24
108	Clinical and biological role of secretory phospholipase A2 in acute respiratory distress syndrome infants. Critical Care, 2013, 17, R163.	2.5	51

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109	Surfactant and Varespladib Co-Administration in Stimulated Rat Alveolar Macrophages Culture. Current Pharmaceutical Biotechnology, 2013, 14, 445-448.	0.9	3
110	Fluorescence and Infrared Spectroscopy for the Study of Structure and Lipid Packing/Hydration in Pulmonary Surfactant Membranes and Lamellar Body -Like Particles. Biophysical Journal, 2012, 102, 647a-648a.	0.2	1
111	Structural and Functional Characterization of Native Complexes of Pulmonary Surfactant Proteins Purified with Detergents. Biophysical Journal, 2012, 102, 625a-626a.	0.2	1
112	Adaptation to low body temperature influences pulmonary surfactant composition thereby increasing fluidity while maintaining appropriately ordered membrane structure and surface activity. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 1581-1589.	1.4	53
113	Topology and lipid selectivity of pulmonary surfactant protein SP-B in membranes: Answers from fluorescence. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 1717-1725.	1.4	29
114	Interfacial behavior and structural properties of a clinical lung surfactant from porcine source. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 2756-2766.	1.4	22
115	Exposure to Polymers Reverses Inhibition of Pulmonary Surfactant by Serum, Meconium, or Cholesterol in the Captive Bubble Surfactometer. Biophysical Journal, 2012, 103, 1451-1459.	0.2	31
116	Interfacial Behavior of Recombinant Forms of Human Pulmonary Surfactant Protein SP-C. Langmuir, 2012, 28, 7811-7825.	1.6	19
117	Effects of KL4-Type Peptides on the Surface Activity and Stability of Pulmonary Surfactant Films as Evaluated in the Captive Bubble Surfactometer. Biophysical Journal, 2012, 102, 491a.	0.2	1
118	Phase Behavior of Lipid Mixtures that Emulate the HIV-1 Membrane: A Monolayer Approach. Biophysical Journal, 2012, 102, 648a.	0.2	0
119	Deterioration of Pulmonary Surfactant by Volatile Anesthetics. Biophysical Journal, 2012, 102, 496a.	0.2	0
120	Adsorption Mechanism of Pulmonary Surfactant Lamellar Bodies at the Air-Liquid Interface. Biophysical Journal, 2012, 102, 647a.	0.2	0
121	Effects of Hidrophobic Surfactant Proteins SP-B and SP-C on the Mechanical Properties and Structural Stability of Phospholipid Bilayers. Biophysical Journal, 2012, 102, 491a.	0.2	0
122	The Interplay of Lung Surfactant Proteins and Lipids Assimilates the Macrophage Clearance of Nanoparticles. PLoS ONE, 2012, 7, e40775.	1.1	123
123	Phase-field model for the morphology of monolayer lipid domains. European Physical Journal E, 2012, 35, 49.	0.7	9
124	New Surfactant with SP-B and C Analogs Gives Survival Benefit after Inactivation in Preterm Lambs. PLoS ONE, 2012, 7, e47631.	1.1	78
125	Effect of Hydrophobic Surfactant Proteins SP-B and SP-C on the Permeability of Phospholipid Membranes. Biophysical Journal, 2011, 100, 337a.	0.2	0
126	Meconium Impairs Pulmonary Surfactant by a Combined Action of Cholesterol and Bile Acids. Biophysical Journal, 2011, 100, 646-655.	0.2	48

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127	Effect of SP-B and/OR SP-C on the Micro- and Nano-Structure of Synthetic Lipid Interfacial Films. Biophysical Journal, 2011, 100, 339a-340a.	0.2	0
128	Pulmonary Surfactant Membranes of Hibernating Ground Squirrels Possess Increased Fluidity but are Capable of Maintaining an Ordered Membrane Structure at Low Temperatures. Biophysical Journal, 2011, 100, 628a.	0.2	0
129	Phospholipid packing and hydration in pulmonary surfactant membranes and films as sensed by LAURDAN. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 696-705.	1.4	16
130	Pulmonary surfactant proteins and polymer combinations reduce surfactant inhibition by serum. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 2366-2373.	1.4	14
131	A combined action of pulmonary surfactant proteins SP-B and SP-C modulates permeability and dynamics of phospholipid membranes. Biochemical Journal, 2011, 438, 555-564.	1.7	45
132	Uptake of nanoparticles by alveolar macrophages is triggered by surfactant protein A. Nanomedicine: Nanotechnology, Biology, and Medicine, 2011, 7, 690-693.	1.7	117
133	Preparation and Characterization of a Bifunctional Aldolase/Kinase Enzyme: A More Efficient Biocatalyst for Cï£¿C Bond Formation. Chemistry - A European Journal, 2010, 16, 4018-4030.	1.7	45
134	Pulmonary Surfactant Pathophysiology: Current Models and Open Questions. Physiology, 2010, 25, 132-141.	1.6	202
135	Myristate is selectively incorporated into surfactant and decreases dipalmitoylphosphatidylcholine without functional impairment. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 299, R1306-R1316.	0.9	19
136	Lamellar Bodies Form Solid Three-dimensional Films at the Respiratory Air-Liquid Interface. Journal of Biological Chemistry, 2010, 285, 28174-28182.	1.6	29
137	Oxygen Diffusion Through Lung Surfactant Layers. Biophysical Journal, 2010, 98, 488a.	0.2	0
138	SP-C Palmitoylation is Crucial for Stabilizing Cholesterol-Containing Surfactant Films during Continuous Compression/Expansion Cycling. Biophysical Journal, 2010, 98, 648a.	0.2	0
139	Surface Activity of Surfactant Protein SP-B and SP-C in Different Lipid Environments. Biophysical Journal, 2010, 98, 55a-56a.	0.2	0
140	Anionic Polymers Reverse Serum Inhibition of Pulmonary Surfactant by Promoting Accumulation of Surfactant Near the Air-Liquid Interface. Biophysical Journal, 2010, 98, 89a.	0.2	0
141	Inhibition of Pulmonary Surfactant by Meconium: Biophysical Properties and Molecular Mechanism. Biophysical Journal, 2010, 98, 90a.	0.2	1
142	Palmitoylation of Pulmonary Surfactant Protein SP-C Is Critical for Its Functional Cooperation with SP-B to Sustain Compression/Expansion Dynamics in Cholesterol-Containing Surfactant Films. Biophysical Journal, 2010, 99, 3234-3243.	0.2	36
143	Combined and Independent Action of Proteins SP-B and SP-C in the Surface Behavior and Mechanical Stability of Pulmonary Surfactant Films. Biophysical Journal, 2010, 99, 3290-3299.	0.2	111
144	Palmitoylation of R-Ras by human DHHC19, a palmitoyl transferase with a CaaX box. Biochimica Et Biophysica Acta - Biomembranes, 2010, 1798, 592-604.	1.4	40

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145	A surface view on membrane structure, dynamics and applications. Biochimica Et Biophysica Acta - Biomembranes, 2010, 1798, 701-702.	1.4	0
146	Pulmonary surfactant layers accelerate O2 diffusion through the air-water interface. Biochimica Et Biophysica Acta - Biomembranes, 2010, 1798, 1281-1284.	1.4	70
147	Synthetic peptides representing the N-terminal segment of surfactant protein C modulate LPS-stimulated TNF-Î± production by macrophages. Innate Immunity, 2009, 15, 53-62.	1.1	15
148	Plant Virus Cell-to-Cell Movement Is Not Dependent on the Transmembrane Disposition of Its Movement Protein. Journal of Virology, 2009, 83, 5535-5543.	1.5	49
149	Kinematic viscosity of therapeutic pulmonary surfactants with added polymers. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 632-637.	1.4	44
150	Cholesterol modulates the exposure and orientation of pulmonary surfactant protein SP-C in model surfactant membranes. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 1907-1915.	1.4	24
151	Comparative Characterization of Lateral Organization and Packing Properties of Lipids in Pulmonary Surfactant Membranes and Interfacial Films. Biophysical Journal, 2009, 96, 150a.	0.2	0
152	Surfactant Protein SP-B Strongly Modifies Surface Collapse of Phospholipid Vesicles: Insights from a Quartz Crystal Microbalance with Dissipation. Biophysical Journal, 2009, 97, 768-776.	0.2	27
153	Segregated Phases in Pulmonary Surfactant Membranes Do Not Show Coexistence of Lipid Populations with Differentiated Dynamic Properties. Biophysical Journal, 2009, 97, 1381-1389.	0.2	91
154	Pulmonary Surfactant Protein SP-C Counteracts the Deleterious Effects of Cholesterol on the Activity of Surfactant Films under Physiologically Relevant Compression-Expansion Dynamics. Biophysical Journal, 2009, 97, 2736-2745.	0.2	58
155	Study of the Effect Of Pulmonary Surfactant Protein B (SP-B) on Phospholipid Membrane Reorganizations Using Quartz Crystal Microbalances with Dissipation (QCM-D). Biophysical Journal, 2009, 96, 328a.	0.2	0
156	Surface Behaviour of Peptoid Mimics of Pulmonary Surfactant Protein SP-C: Captive Bubble Surfactometry. Biophysical Journal, 2009, 96, 352a.	0.2	1
157	Expression, purification and characterization of the precursor of human pulmonary surfactant protein B (preproSPB) produced in Escherichia coli. , 2009, , .		0
158	Self-aggregation of a recombinant form of the propeptide NH2-terminal of the precursor of pulmonary surfactant protein SP-B: a conformational study. Journal of Industrial Microbiology and Biotechnology, 2008, 35, 1367-1376.	1.4	7
159	Properly Interpreting Lipid-Protein Specificities in Pulmonary Surfactant. Biophysical Journal, 2008, 94, 1542-1543.	0.2	6
160	Effects of Palmitoylation on Dynamics and Phospholipid-Bilayer-Perturbing Properties of the N-Terminal Segment of Pulmonary Surfactant Protein SP-C as Shown by 2H-NMR. Biophysical Journal, 2008, 95, 2308-2317.	0.2	16
161	The Surfactant Peptide KL4 Sequence Is Inserted with a Transmembrane Orientation into the Endoplasmic Reticulum Membrane. Biophysical Journal, 2008, 95, L36-L38.	0.2	29
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