Stephen B Hall

List of Publications by Year
in descending order

33 papers	1,327 citations	361413 20 h-index	395702 33 g-index
33 all docs	33 docs citations	33 times ranked	833 citing authors

#	Article	IF	Citations
1	The Anionic Phospholipids of Bovine Pulmonary Surfactant. Lipids, 2021, 56, 49-57.	1.7	5
2	Changes in membrane elasticity caused by the hydrophobic surfactant proteins correlate poorly with adsorption of lipid vesicles. Soft Matter, 2021, 17, 3358-3366.	2.7	1
3	Suppression of LÎ±/LÎ² Phase Coexistence in the Lipids of Pulmonary Surfactant. Biophysical Journal, 2021, 120, 243-253.	0.5	3
4	Location of the Hydrophobic Surfactant Proteins, SP-B and SP-C, in Fluid-Phase Bilayers. Journal of Physical Chemistry B, 2020, 124, 6763-6774.	2.6	11
5	Structural Changes in Films of Pulmonary Surfactant Induced by Surfactant Vesicles. Langmuir, 2020, 36, 13439-13447.	3.5	3
6	The LÎ³ Phase of Pulmonary Surfactant. Langmuir, 2018, 34, 6601-6611.	3.5	10
7	Hydrophobic Surfactant Proteins Strongly Induce Negative Curvature. Biophysical Journal, 2015, 109, 95-105.	0.5	23
8	The Equilibrium Spreading Tension of Pulmonary Surfactant. Langmuir, 2015, 31, 13063-13067.	3.5	9
9	An Anionic Phospholipid Enables the Hydrophobic Surfactant Proteins to Alter Spontaneous Curvature. Biophysical Journal, 2013, 104, 594-603.	0.5	16
10	Optical Factors in the Rapid Analysis of Captive Bubbles. Langmuir, 2012, 28, 14081-14089.	3.5	1
11	Differential Effects of the Hydrophobic Surfactant Proteins on the Formation of Inverse Bicontinuous Cubic Phases. Langmuir, 2012, 28, 16596-16604.	3.5	21
12	Aligning pitch for measurements of the shape of captive bubbles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 397, 59-62.	4.7	1
13	The Accelerated Late Adsorption of Pulmonary Surfactant. Langmuir, 2011, 27, 4857-4866.	3.5	14
14	Recent advances in alveolar biology: Some new looks at the alveolar interface. Respiratory Physiology and Neurobiology, 2010, 173, S55-S64.	1.6	48
15	Hydrophobic Surfactant Proteins Induce a Phosphatidylethanolamine to Form Cubic Phases. Biophysical Journal, 2010, 98, 1549-1557.	0.5	32
16	The biophysical function of pulmonary surfactant. Respiratory Physiology and Neurobiology, 2008, 163, 244-255.	1.6	98
17	The melting of pulmonary surfactant monolayers. Journal of Applied Physiology, 2007, 102, 1739-1745.	2.5	29
18	Differential Effects of Lysophosphatidylcholine on the Adsorption of Phospholipids to an Air/Water Interface. Biophysical Journal, 2007, 92, 493-501.	0.5	27

#	Article	IF	Citations
19	Distribution of Coexisting Solid and Fluid Phases Alters the Kinetics of Collapse from Phospholipid Monolayersâ€. Journal of Physical Chemistry B, 2006, 110, 22064-22070.	2.6	7
20	Effects of gramicidin-A on the adsorption of phospholipids to the airâ€“water interface. Biochimica Et Biophysica Acta - Biomembranes, 2005, 1717, 41-49.	2.6	26
21	SP-B and SP-C Alter Diffusion in Bilayers of Pulmonary Surfactant. Biophysical Journal, 2004, 86, 3734-3743.	0.5	32
22	Non-cooperative effects of lung surfactant proteins on early adsorption to an air/water interface. Biochimica Et Biophysica Acta - Biomembranes, 2003, 1616, 165-173.	2.6	14
23	Metastability of a Supercompressed Fluid Monolayer. Biophysical Journal, 2003, 85, 3048-3057.	0.5	73
24	Liquid-Crystalline Collapse of Pulmonary Surfactant Monolayers. Biophysical Journal, 2003, 84, 3792-3806.	0.5	81
25	Pulmonary surfactant: phase behavior and function. Current Opinion in Structural Biology, 2002, 12, 487-494.	5.7	129
26	Effect of neutral lipids on coexisting phases in monolayers of pulmonary surfactant. Biophysical Chemistry, 2002, 101-102, 333-345.	2.8	35
27	Thermodynamic Effects of the Hydrophobic Surfactant Proteins on the Early Adsorption of Pulmonary Surfactant. Biophysical Journal, 2001, 81, 1536-1546.	0.5	59
28	Rapid Compression Transforms Interfacial Monolayers of Pulmonary Surfactant. Biophysical Journal, 2001, 80, 1863-1872.	0.5	92
29	Distinct Steps in the Adsorption of Pulmonary Surfactant to an Air-Liquid Interface. Biophysical Journal, 2000, 78, 257-266.	0.5	86
30	Phase Separation in Monolayers of Pulmonary Surfactant Phospholipids at the Airâ€“Water Interface: Composition and Structure. Biophysical Journal, 1999, 77, 2051-2061.	0.5	98
31	Persistence of Phase Coexistence in Disaturated Phosphatidylcholine Monolayers at High Surface Pressures. Biophysical Journal, 1999, 77, 3134-3143.	0.5	116
32	Neutral Lipids Induce Critical Behavior in Interfacial Monolayers of Pulmonary Surfactantâ€. Biochemistry, 1999, 38, 374-383.	2.5	71
33	Unscheduled apoptosis during acute inflammatory lung injury. Cell Death and Differentiation, 1997, 4, 600-607.	11.2	56