

# Stephen B Hall

## List of Publications by Year in descending order

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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	Pulmonary surfactant: phase behavior and function. <i>Current Opinion in Structural Biology</i> , 2002, 12, 487-494.	5.7	129
2	Persistence of Phase Coexistence in Disaturated Phosphatidylcholine Monolayers at High Surface Pressures. <i>Biophysical Journal</i> , 1999, 77, 3134-3143.	0.5	116
3	Phase Separation in Monolayers of Pulmonary Surfactant Phospholipids at the Air-Water Interface: Composition and Structure. <i>Biophysical Journal</i> , 1999, 77, 2051-2061.	0.5	98
4	The biophysical function of pulmonary surfactant. <i>Respiratory Physiology and Neurobiology</i> , 2008, 163, 244-255.	1.6	98
5	Rapid Compression Transforms Interfacial Monolayers of Pulmonary Surfactant. <i>Biophysical Journal</i> , 2001, 80, 1863-1872.	0.5	92
6	Distinct Steps in the Adsorption of Pulmonary Surfactant to an Air-Liquid Interface. <i>Biophysical Journal</i> , 2000, 78, 257-266.	0.5	86
7	Liquid-Crystalline Collapse of Pulmonary Surfactant Monolayers. <i>Biophysical Journal</i> , 2003, 84, 3792-3806.	0.5	81
8	Metastability of a Supercompressed Fluid Monolayer. <i>Biophysical Journal</i> , 2003, 85, 3048-3057.	0.5	73
9	Neutral Lipids Induce Critical Behavior in Interfacial Monolayers of Pulmonary Surfactant. <i>Biochemistry</i> , 1999, 38, 374-383.	2.5	71
10	Thermodynamic Effects of the Hydrophobic Surfactant Proteins on the Early Adsorption of Pulmonary Surfactant. <i>Biophysical Journal</i> , 2001, 81, 1536-1546.	0.5	59
11	Unscheduled apoptosis during acute inflammatory lung injury. <i>Cell Death and Differentiation</i> , 1997, 4, 600-607.	11.2	56
12	Recent advances in alveolar biology: Some new looks at the alveolar interface. <i>Respiratory Physiology and Neurobiology</i> , 2010, 173, S55-S64.	1.6	48
13	Effect of neutral lipids on coexisting phases in monolayers of pulmonary surfactant. <i>Biophysical Chemistry</i> , 2002, 101-102, 333-345.	2.8	35
14	SP-B and SP-C Alter Diffusion in Bilayers of Pulmonary Surfactant. <i>Biophysical Journal</i> , 2004, 86, 3734-3743.	0.5	32
15	Hydrophobic Surfactant Proteins Induce a Phosphatidylethanolamine to Form Cubic Phases. <i>Biophysical Journal</i> , 2010, 98, 1549-1557.	0.5	32
16	The melting of pulmonary surfactant monolayers. <i>Journal of Applied Physiology</i> , 2007, 102, 1739-1745.	2.5	29
17	Differential Effects of Lysophosphatidylcholine on the Adsorption of Phospholipids to an Air/Water Interface. <i>Biophysical Journal</i> , 2007, 92, 493-501.	0.5	27
18	Effects of gramicidin-A on the adsorption of phospholipids to the air-water interface. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2005, 1717, 41-49.	2.6	26

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19	Hydrophobic Surfactant Proteins Strongly Induce Negative Curvature. <i>Biophysical Journal</i> , 2015, 109, 95-105.	0.5	23
20	Differential Effects of the Hydrophobic Surfactant Proteins on the Formation of Inverse Bicontinuous Cubic Phases. <i>Langmuir</i> , 2012, 28, 16596-16604.	3.5	21
21	An Anionic Phospholipid Enables the Hydrophobic Surfactant Proteins to Alter Spontaneous Curvature. <i>Biophysical Journal</i> , 2013, 104, 594-603.	0.5	16
22	Non-cooperative effects of lung surfactant proteins on early adsorption to an air/water interface. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2003, 1616, 165-173.	2.6	14
23	The Accelerated Late Adsorption of Pulmonary Surfactant. <i>Langmuir</i> , 2011, 27, 4857-4866.	3.5	14
24	Location of the Hydrophobic Surfactant Proteins, SP-B and SP-C, in Fluid-Phase Bilayers. <i>Journal of Physical Chemistry B</i> , 2020, 124, 6763-6774.	2.6	11
25	The $L_1^3$ Phase of Pulmonary Surfactant. <i>Langmuir</i> , 2018, 34, 6601-6611.	3.5	10
26	The Equilibrium Spreading Tension of Pulmonary Surfactant. <i>Langmuir</i> , 2015, 31, 13063-13067.	3.5	9
27	Distribution of Coexisting Solid and Fluid Phases Alters the Kinetics of Collapse from Phospholipid Monolayers. <i>Journal of Physical Chemistry B</i> , 2006, 110, 22064-22070.	2.6	7
28	The Anionic Phospholipids of Bovine Pulmonary Surfactant. <i>Lipids</i> , 2021, 56, 49-57.	1.7	5
29	Structural Changes in Films of Pulmonary Surfactant Induced by Surfactant Vesicles. <i>Langmuir</i> , 2020, 36, 13439-13447.	3.5	3
30	Suppression of $L_1^1/L_1^2$ Phase Coexistence in the Lipids of Pulmonary Surfactant. <i>Biophysical Journal</i> , 2021, 120, 243-253.	0.5	3
31	Optical Factors in the Rapid Analysis of Captive Bubbles. <i>Langmuir</i> , 2012, 28, 14081-14089.	3.5	1
32	Aligning pitch for measurements of the shape of captive bubbles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 397, 59-62.	4.7	1
33	Changes in membrane elasticity caused by the hydrophobic surfactant proteins correlate poorly with adsorption of lipid vesicles. <i>Soft Matter</i> , 2021, 17, 3358-3366.	2.7	1