Gerald Feigenson

List of Publications by Year
in descending order

17	3,716	567144 15	887953 17
papers	citations	h-index	g-index

17	17	17	3129
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Characterization of lipid bilayer phases by confocal microscopy and fluorescence correlation spectroscopy. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 8461-8466.	3.3	793
2	A Microscopic Interaction Model of Maximum Solubility of Cholesterol in Lipid Bilayers. Biophysical Journal, 1999, 76, 2142-2157.	0.2	538
3	Ternary Phase Diagram of Dipalmitoyl-PC/Dilauroyl-PC/Cholesterol: Nanoscopic Domain Formation Driven by Cholesterol. Biophysical Journal, 2001, 80, 2775-2788.	0.2	396
4	Maximum solubility of cholesterol in phosphatidylcholine and phosphatidylethanolamine bilayers. Biochimica Et Biophysica Acta - Biomembranes, 1999, 1417, 89-100.	1.4	393
5	Crosslinking a lipid raft component triggers liquid ordered-liquid disordered phase separation in model plasma membranes. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 6320-6325.	3.3	298
6	Fluorescence quenching of model membranes. 3. Relationship between calcium adenosinetriphosphatase enzyme activity and the affinity of the protein for phosphatidylcholines with different acyl chain characteristics. Biochemistry, 1981, 20, 1949-1961.	1.2	242
7	Phase Separation in Lipid Membranes. Cold Spring Harbor Perspectives in Biology, 2011, 3, a004630-a004630.	2.3	195
8	A novel strategy for the preparation of liposomes: rapid solvent exchange. Biochimica Et Biophysica Acta - Biomembranes, 1999, 1417, 232-245.	1.4	169
9	Fluorescence quenching in model membranes. 1. Characterization of quenching caused by a spin-labeled phospholipid. Biochemistry, 1981, 20, 1932-1938.	1.2	141
10	Phase studies of model biomembranes: Macroscopic coexistence of LÎ±+LÎ², with light-induced coexistence of LÎ±+Lo Phases. Biochimica Et Biophysica Acta - Biomembranes, 2007, 1768, 2777-2786.	1.4	136
11	Partitioning behavior of indocarbocyanine probes between coexisting gel and fluid phases in model membranes. Biochimica Et Biophysica Acta - Biomembranes, 1990, 1023, 25-33.	1.4	103
12	HIV-1 Gag protein can sense the cholesterol and acyl chain environment in model membranes. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 18761-18766.	3.3	96
13	Calcium ion binding between lipid bilayers: the four-component system of phosphatidylserine, phosphatidylcholine, calcium chloride, and water. Biochemistry, 1989, 28, 1270-1278.	1.2	73
14	Detection of phase separation in fluid phosphatidylserine/phosphatidylcholine mixtures. Biophysical Journal, 1994, 67, 1906-1911.	0.2	61
15	Monte Carlo simulation of lipid mixtures: finding phase separation. Biophysical Journal, 1993, 65, 1788-1794.	0.2	58
16	Partitioning of a fluorescent phospholipid between fluid bilayers: dependence on host lipid acyl chains. Biophysical Journal, 1997, 73, 3112-3121.	0.2	12
17	Calculation of Liquid-Disordered/Liquid-Ordered Line Tension from Pairwise Lipid Interactions. Journal of Physical Chemistry B, 2020, 124, 4949-4959.	1.2	12