

Gerald Feigenson

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17
papers

3,323
citations

15
h-index

17
g-index

17
ext. papers

3,505
ext. citations

4.3
avg, IF

5.05
L-index

#	Paper	IF	Citations
17	Characterization of lipid bilayer phases by confocal microscopy and fluorescence correlation spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 8461-6	11.5	747
16	A microscopic interaction model of maximum solubility of cholesterol in lipid bilayers. <i>Biophysical Journal</i> , 1999 , 76, 2142-57	2.9	488
15	Ternary phase diagram of dipalmitoyl-PC/dilauroyl-PC/cholesterol: nanoscopic domain formation driven by cholesterol. <i>Biophysical Journal</i> , 2001 , 80, 2775-88	2.9	361
14	Maximum solubility of cholesterol in phosphatidylcholine and phosphatidylethanolamine bilayers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1999 , 1417, 89-100	3.8	349
13	Crosslinking a lipid raft component triggers liquid ordered-liquid disordered phase separation in model plasma membranes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 6320-5	11.5	272
12	Fluorescence quenching in model membranes. 3. Relationship between calcium adenosinetriphosphatase enzyme activity and the affinity of the protein for phosphatidylcholines with different acyl chain characteristics. <i>Biochemistry</i> , 1981 , 20, 1949-61	3.2	218
11	A novel strategy for the preparation of liposomes: rapid solvent exchange. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1999 , 1417, 232-45	3.8	146
10	Phase separation in lipid membranes. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011 , 3,	10.2	139
9	Fluorescence quenching in model membranes. 1. Characterization of quenching caused by a spin-labeled phospholipid. <i>Biochemistry</i> , 1981 , 20, 1932-8	3.2	120
8	Phase studies of model biomembranes: macroscopic coexistence of Lalpha+Lbeta, with light-induced coexistence of Lalpha+Lo Phases. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007 , 1768, 2777-86	3.8	119
7	Partitioning behavior of indocarbocyanine probes between coexisting gel and fluid phases in model membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1990 , 1023, 25-33	3.8	92
6	HIV-1 Gag protein can sense the cholesterol and acyl chain environment in model membranes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 18761-6	11.5	76
5	Calcium ion binding between lipid bilayers: the four-component system of phosphatidylserine, phosphatidylcholine, calcium chloride, and water. <i>Biochemistry</i> , 1989 , 28, 1270-8	3.2	69
4	Detection of phase separation in fluid phosphatidylserine/phosphatidylcholine mixtures. <i>Biophysical Journal</i> , 1994 , 67, 1906-11	2.9	57
3	Monte Carlo simulation of lipid mixtures: finding phase separation. <i>Biophysical Journal</i> , 1993 , 65, 1788-94.9		53
2	Partitioning of a fluorescent phospholipid between fluid bilayers: dependence on host lipid acyl chains. <i>Biophysical Journal</i> , 1997 , 73, 3112-21	2.9	11
1	Calculation of Liquid-Disordered/Liquid-Ordered Line Tension from Pairwise Lipid Interactions. <i>Journal of Physical Chemistry B</i> , 2020 , 124, 4949-4959	3.4	6

