Isak Bivas

List of Publications by Year
in descending order

14	245	1163117 8	1199594 12
papers	citations	h-index	g-index

14	14	14	276
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Membrane stretching elasticity and thermal shape fluctuations of nearly spherical lipid vesicles. Physical Review E, 2019, 100, 022416.	2.1	3
2	Fourier-transform infrared and Raman characterization of bilayer membranes of the phospholipid SOPC and its mixtures with cholesterol. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 557, 85-93.	4.7	15
3	Digital holographic microscopy as a tool to study the thermal shape fluctuations of lipid vesicles. Optics Letters, 2016, 41, 1833.	3.3	11
4	Bending Elasticity Modulus of Giant Vesicles Composed of Aeropyrum Pernix K1 Archaeal Lipid. Life, 2015, 5, 1101-1110.	2.4	6
5	Bending elasticity of vesicle membranes studied by Monte Carlo simulations of vesicle thermal shape fluctuations. Soft Matter, 2015, 11, 5004-5009.	2.7	22
6	Registration and analysis of the shape fluctuations of nearly spherical lipid vesicles. Physical Review E, 2013, 88, 022707.	2.1	45
7	Thermal Fluctuations of Phospholipid Vesicles Studied by Monte Carlo Simulations. Behavior Research Methods, 2013, 17, 331-357.	4.0	2
8	Shape fluctuations of nearly spherical lipid vesicles and emulsion droplets. Physical Review E, 2010, 81, 061911.	2.1	18
9	Modeling of low-temperature specific heat data for Ge27As13S60 and As40S60 glasses by means of the phenomenologically modified soft potential model. Cryogenics, 2009, 49, 171-175.	1.7	2
10	Alamethicin influence on the membrane bending elasticity. European Biophysics Journal, 2006, 35, 281-286.	2.2	55
11	Fields and forces acting on a planar membrane with a conducting channel. Physical Review E, 2004, 69, 041901.	2.1	0
12	Permeability and the hidden area of lipid bilayers. European Biophysics Journal, 2004, 33, 706-714.	2.2	27
13	Bending elasticity and bending fluctuations of lipid bilayer containing an additive. Physical Review E, 2003, 67, 012901.	2.1	39
14	Curvature Elasticity Moduli of Bilayer Lipid Membranes. Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics, 1987, 152, 311-326.	0.3	0