

# Isak Bivas

## List of Publications by Year in descending order

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Version: 2024-02-01

14  
papers

245  
citations

1163117

8  
h-index

1199594

12  
g-index

14  
all docs

14  
docs citations

14  
times ranked

276  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Alamethicin influence on the membrane bending elasticity. <i>European Biophysics Journal</i> , 2006, 35, 281-286.  | 2.2 | 55        |
| 2  | Registration and analysis of the shape fluctuations of nearly spherical lipid vesicles. <i>Physical Review E</i> , 2013, 88, 022707.   | 2.1 | 45        |
| 3  | Bending elasticity and bending fluctuations of lipid bilayer containing an additive. <i>Physical Review E</i> , 2003, 67, 012901.  | 2.1 | 39        |
| 4  | Permeability and the hidden area of lipid bilayers. <i>European Biophysics Journal</i> , 2004, 33, 706-714.  | 2.2 | 27        |
| 5  | Bending elasticity of vesicle membranes studied by Monte Carlo simulations of vesicle thermal shape fluctuations. <i>Soft Matter</i> , 2015, 11, 5004-5009.  | 2.7 | 22        |
| 6  | Shape fluctuations of nearly spherical lipid vesicles and emulsion droplets. <i>Physical Review E</i> , 2010, 81, 061911.  | 2.1 | 18        |
| 7  | Fourier-transform infrared and Raman characterization of bilayer membranes of the phospholipid SOPC and its mixtures with cholesterol. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 557, 85-93.                         | 4.7 | 15        |
| 8  | Digital holographic microscopy as a tool to study the thermal shape fluctuations of lipid vesicles. <i>Optics Letters</i> , 2016, 41, 1833.  | 3.3 | 11        |
| 9  | Bending Elasticity Modulus of Giant Vesicles Composed of Aeropyrum Pernix K1 Archaeal Lipid. <i>Life</i> , 2015, 5, 1101-1110.   | 2.4 | 6         |
| 10 | Membrane stretching elasticity and thermal shape fluctuations of nearly spherical lipid vesicles. <i>Physical Review E</i> , 2019, 100, 022416.  | 2.1 | 3         |
| 11 | Modeling of low-temperature specific heat data for Ge <sub>27</sub> As <sub>13</sub> S <sub>60</sub> and As <sub>40</sub> S <sub>60</sub> glasses by means of the phenomenologically modified soft potential model. <i>Cryogenics</i> , 2009, 49, 171-175. | 1.7 | 2         |
| 12 | Thermal Fluctuations of Phospholipid Vesicles Studied by Monte Carlo Simulations. <i>Behavior Research Methods</i> , 2013, 17, 331-357.  | 4.0 | 2         |
| 13 | Curvature Elasticity Moduli of Bilayer Lipid Membranes. <i>Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics</i> , 1987, 152, 311-326.   | 0.3 | 0         |
| 14 | Fields and forces acting on a planar membrane with a conducting channel. <i>Physical Review E</i> , 2004, 69, 041901.  | 2.1 | 0         |