

Victoria Vitkova

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

425
citations

840776

11
h-index

713466

21
g-index

25
all docs

25
docs citations

25
times ranked

438
citing authors

#	ARTICLE	IF	CITATIONS
1	Micro-Macro Link in Rheology of Erythrocyte and Vesicle Suspensions. <i>Biophysical Journal</i> , 2008, 95, L33-L35.	0.5	72
2	Deformation of vesicles flowing through capillaries. <i>Europhysics Letters</i> , 2004, 68, 398-404.	2.0	58
3	Alamethicin influence on the membrane bending elasticity. <i>European Biophysics Journal</i> , 2006, 35, 281-286.	2.2	55
4	Registration and analysis of the shape fluctuations of nearly spherical lipid vesicles. <i>Physical Review E</i> , 2013, 88, 022707.	2.1	45
5	Permeability and the hidden area of lipid bilayers. <i>European Biophysics Journal</i> , 2004, 33, 706-714.	2.2	27
6	Sucrose solutions alter the electric capacitance and dielectric permittivity of lipid bilayers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 557, 51-57.	4.7	22
7	Deformation of giant vesicles in AC electric fields – Dependence of the prolate-to-oblate transition frequency on vesicle radius. <i>Europhysics Letters</i> , 2010, 89, 38004.	2.0	17
8	Lipid Bilayers and Membranes. <i>Behavior Research Methods</i> , 2013, 17, 89-138.	4.0	15
9	Phospholipase A2-Induced Remodeling Processes on Liquid-Ordered/Liquid-Disordered Membranes Containing Docosahexaenoic or Oleic Acid: A Comparison Study. <i>Langmuir</i> , 2016, 32, 1756-1770.	3.5	14
10	Synthesis, characterization and anticonvulsant activity of new azobenzene-containing VW-hemorphin-5 bio photoswitch. <i>Amino Acids</i> , 2019, 51, 549-563.	2.7	14
11	Dynamics of Lipid Vesicles. <i>Behavior Research Methods</i> , 2011, , 257-292.	4.0	13
12	Bending rigidity of phosphatidylserine-containing lipid bilayers in acidic aqueous solutions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 460, 71-78.	4.7	11
13	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
14	Dielectric Properties of Phosphatidylcholine Membranes and the Effect of Sugars. <i>Membranes</i> , 2021, 11, 847.	3.0	11
15	The aqueous surroundings alter the bending rigidity of lipid membranes. <i>Russian Journal of Electrochemistry</i> , 2016, 52, 1172-1178.	0.9	10
16	Elasticity and phase behaviour of biomimetic membrane systems containing tetraether archaeal lipids. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 601, 124974.	4.7	9
17	Lyso- and omega-3-containing phosphatidylcholines alter the bending elasticity of lipid membranes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 460, 191-195.	4.7	7
18	Polylysine effect on thylakoid membranes. <i>Biophysical Chemistry</i> , 2020, 266, 106440.	2.8	5

#	ARTICLE	IF	CITATIONS
19	Title is missing!. Journal of Materials Science: Materials in Electronics, 2003, 14, 819-820.	2.2	3
20	Mechanical Properties of Lipid Bilayers Containing Grafted Lipids. Perspectives in Supramolecular Chemistry, 2007, , 207-219.	0.1	2
21	Charged Lipid Bilayers in Aqueous Surroundings with Low pH. Behavior Research Methods, 2013, 18, 1-20.	4.0	2
22	Surface Properties of Synaptosomes in the Presence of L-Glutamic and Kainic Acids: In Vitro Alteration of the ATPase and Acetylcholinesterase Activities. Membranes, 2021, 11, 987.	3.0	2
23	Mechanical and electrical properties of biomimetic membranes in the presence of sweeteners. AIP Conference Proceedings, 2019, , .	0.4	0