

# Julia Genova

## List of Publications by Year in descending order

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34  
papers

380  
citations

840776

11  
h-index

794594

19  
g-index

35  
all docs

35  
docs citations

35  
times ranked

377  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sugars in the Aqueous Phase Change the Mechanical Properties of Lipid Mono- and Bilayers. <i>Molecular Crystals and Liquid Crystals</i> , 2006, 449, 95-106.	0.9	50
2	Green Synthesis of Gold Nanoparticles: An Eco-Friendly Approach. <i>Chemistry</i> , 2022, 4, 345-369.	2.2	46
3	Registration and analysis of the shape fluctuations of nearly spherical lipid vesicles. <i>Physical Review E</i> , 2013, 88, 022707.	2.1	45
4	Influence of nanoparticle–membrane electrostatic interactions on membrane fluidity and bending elasticity. <i>Chemistry and Physics of Lipids</i> , 2014, 178, 52-62.	3.2	34
5	Permeability and the hidden area of lipid bilayers. <i>European Biophysics Journal</i> , 2004, 33, 706-714.	2.2	27
6	The influence of sucrose on the elasticity of SOPC lipid membrane studied by the analysis of thermally induced shape fluctuations. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 282-283, 420-422.	4.7	25
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	Magneto-mechanical actuation of barium-hexaferrite nanoplatelets for the disruption of phospholipid membranes. <i>Journal of Colloid and Interface Science</i> , 2020, 579, 508-519.	9.4	15
9	Mechanoformation of neutral giant phospholipid vesicles in high ionic strength solution. <i>Chemistry and Physics of Lipids</i> , 2011, 164, 727-731.	3.2	13
10	A study on the interaction of nanoparticles with lipid membranes and their influence on membrane fluidity. <i>Journal of Physics: Conference Series</i> , 2012, 398, 012034.	0.4	13
11	Influence of iron oxide nanoparticles on bending elasticity and bilayer fluidity of phosphatidylcholine liposomal membranes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 460, 248-253.	4.7	12
12	Gel–liquid crystal phase transition in dry and hydrated SOPC phospholipid studied by differential scanning calorimetry. <i>Phase Transitions</i> , 2019, 92, 323-333.	1.3	10
13	Influence of Cholesterol on the Elastic Properties of Lipid Membranes. <i>Journal of Physics: Conference Series</i> , 2012, 398, 012037.	0.4	9
14	Marin Mitov Lectures. <i>Behavior Research Methods</i> , 2013, 17, 1-27.	4.0	8
15	Cholesterol influence on the bending elasticity of lipid membranes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 460, 79-82.	4.7	8
16	Influence of hydrophobic Au nanoparticles on SOPC lipid model systems. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 603, 125090.	4.7	7
17	Bending Elasticity Modulus of Giant Vesicles Composed of Aeropyrum Pernix K1 Archaeal Lipid. <i>Life</i> , 2015, 5, 1101-1110.	2.4	6
18	Bending elasticity of lipid membranes in presence of beta 2 glycoprotein I in the surrounding solution. <i>Journal of Physics: Conference Series</i> , 2010, 253, 012064.	0.4	5

#	ARTICLE	IF	CITATIONS
19	Effect of Amphotericin B antibiotic on the properties of model lipid membrane. Journal of Physics: Conference Series, 2014, 558, 012027.	0.4	5
20	Physico-chemical characterizations of lipid membranes in presence of cholesterol. Advances in Biomembranes and Lipid Self-Assembly, 2020, 31, 1-42.	0.6	5
21	Does maltose influence on the elasticity of SOPC membrane?. Journal of Physics: Conference Series, 2010, 253, 012063.	0.4	4
22	Differential Scanning Calorimetric Study of the Effect of Cholesterol on the Thermotropic Phase Behavior of the Phospholipid 1-Stearyl-2-Oleoyl-sn-Glycero-3-Phosphocholine. Journal of Surfactants 2.1 and Detergents, 2019, 22, 1229-1235.		4
23	Title is missing!. Journal of Materials Science: Materials in Electronics, 2003, 14, 819-820.	2.2	3
24	Study of SOPC with embedded pristine and amide-functionalized single wall carbon nanotubes by DSC and FTIR spectroscopy. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 603, 125261.	4.7	3
25	Physical properties of SOPC lipid membranes containing cholesterol by molecular dynamics simulation. Advances in Biomembranes and Lipid Self-Assembly, 2021, , 1-30.	0.6	3
26	Vesicles with Tubular Protrusions in Symmetrical and non Symmetrical Conditions. Biotechnology and Biotechnological Equipment, 2012, 26, 205-208.	1.3	1
27	Morphological study of lipid vesicles in presence of amphotericin B via modification of the microfluidic CellASIC platform and LED illumination microscopy. Journal of Physics: Conference Series, 2016, 682, 012029.	0.4	1
28	Interaction of elaiophylin with model bilayer membrane. Journal of Physics: Conference Series, 2017, 794, 012031.	0.4	1
29	Silver nanoparticles synthesis and their effect on the SOPC lipid structure. Journal of Physics: Conference Series, 2022, 2240, 012019.	0.4	1
30	Influence of melatonin on the structural and thermal properties of SOPC lipid membranes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 647, 129081.	4.7	1
31	18th International School on Condensed Matter Physics. Journal of Physics: Conference Series, 2014, 558, 011001.	0.4	0
32	INERA Conference 2015: Light in Nanoscience and Nanotechnology (LNN 2015). Journal of Physics: Conference Series, 2016, 682, 011001.	0.4	0
33	Physics and Applications of Advanced and Multifunctional Materials. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1900267.	1.8	0
34	Influence of sucrose on the phase behaviour of phospholipid model systems. Journal of Physics: Conference Series, 2021, 1762, 012012.	0.4	0