Marija Raguz

List of Publications by Year
in descending order

36 papers	1,164 citations	361413 20 h-index	395702 33 g-index
36 all docs	36 docs citations	36 times ranked	805 citing authors

#	Article	IF	Citations
1	High Cholesterol/Low Cholesterol: Effects in Biological Membranes: A Review. Cell Biochemistry and Biophysics, 2017, 75, 369-385.	1.8	204
2	Oxygen permeability of the lipid bilayer membrane made of calf lens lipids. Biochimica Et Biophysica Acta - Biomembranes, 2007, 1768, 2635-2645.	2.6	104
3	Functions of Cholesterol and the Cholesterol Bilayer Domain Specific to the Fiber-Cell Plasma Membrane of the Eye Lens. Journal of Membrane Biology, 2012, 245, 51-68.	2.1	64
4	Using spin-label electron paramagnetic resonance (EPR) to discriminate and characterize the cholesterol bilayer domain. Chemistry and Physics of Lipids, 2011, 164, 819-829.	3.2	60
5	The immiscible cholesterol bilayer domain exists as an integral part of phospholipid bilayer membranes. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 1072-1080.	2.6	58
6	Formation of Cholesterol Bilayer Domains Precedes Formation of Cholesterol Crystals in Cholesterol/Dimyristoylphosphatidylcholine Membranes: EPR and DSC Studies. Journal of Physical Chemistry B, 2013, 117, 8994-9003.	2.6	52
7	Physical properties of the lipid bilayer membrane made of calf lens lipids: EPR spin labeling studies. Biochimica Et Biophysica Acta - Biomembranes, 2007, 1768, 1454-1465.	2.6	50
8	Studying Lipid Organization in Biological Membranes Using Liposomes and EPR Spin Labeling. Methods in Molecular Biology, 2010, 606, 247-269.	0.9	50
9	Properties of membranes derived from the total lipids extracted from the human lens cortex and nucleus. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 1432-1440.	2.6	50
10	Physical properties of the lipid bilayer membrane made of cortical and nuclear bovine lens lipids: EPR spin-labeling studies. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 2380-2388.	2.6	46
11	Characterization of lipid domains in reconstituted porcine lens membranes using EPR spin-labeling approaches. Biochimica Et Biophysica Acta - Biomembranes, 2008, 1778, 1079-1090.	2.6	41
12	Properties of membranes derived from the total lipids extracted from clear and cataractous lenses of 61â€“70-year-old human donors. European Biophysics Journal, 2015, 44, 91-102.	2.2	39
13	Changes in the Properties and Organization of Human Lens Lipid Membranes Occurring with Age. Current Eye Research, 2017, 42, 721-731.	1.5	38
14	Phases and domains in sphingomyelinâ€“cholesterol membranes: structure and properties using EPR spin-labeling methods. European Biophysics Journal, 2012, 41, 147-159.	2.2	36
15	Phase-Separation and Domain-Formation in Cholesterol-Sphingomyelin Mixture: Pulse-EPR Oxygen Probing. Biophysical Journal, 2011, 101, 837-846.	0.5	35
16	Properties of fiber cell plasma membranes isolated from the cortex and nucleus of the porcine eye lens. Experimental Eye Research, 2012, 97, 117-129.	2.6	32
17	Cholesterol Bilayer Domains in the Eye Lens Health: A Review. Cell Biochemistry and Biophysics, 2017, 75, 387-398.	1.8	29
18	Lipid domains in intact fiber-cell plasma membranes isolated from cortical and nuclear regions of human eye lenses of donors from different age groups. Experimental Eye Research, 2015, 132, 78-90.	2.6	26

#	Article	IF	Citations
19	Organization of lipids in fiber-cell plasma membranes of the eye lens. Experimental Eye Research, 2017, 156, 79-86.	2.6	25
20	Spin-label saturation-recovery EPR at W-band: Applications to eye lens lipid membranes. Journal of Magnetic Resonance, 2011, 212, 86-94.	2.1	22
21	Lipidâ€“protein interactions in plasma membranes of fiber cells isolated from the human eye lens. Experimental Eye Research, 2014, 120, 138-151.	2.6	22
22	Spin-label W-band EPR with Seven-Loopâ€“Six-Gap Resonator: Application to Lens Membranes Derived from Eyes of a Single Donor. Applied Magnetic Resonance, 2014, 45, 1343-1358.	1.2	17
23	Giant Unilamellar Vesicle Electroformation: What to Use, What to Avoid, and How to Quantify the Results. Membranes, 2021, 11, 860.	3.0	14
24	Confocal Microscopy Confirmed that in Phosphatidylcholine Giant Unilamellar Vesicles with very High Cholesterol Content Pure Cholesterol Bilayer Domains Form. Cell Biochemistry and Biophysics, 2019, 77, 309-317.	1.8	11
25	Resolved Fluorescence Emission Spectra of PRODAN in Ethanol/Buffer Solvents. Journal of Chemical Information and Modeling, 2005, 45, 1636-1640.	5.4	9
26	Amounts of phospholipids and cholesterol in lipid domains formed in intact lens membranes: Methodology development and its application to studies of porcine lens membranes. Experimental Eye Research, 2015, 140, 179-186.	2.6	9
27	Effect of Electrical Parameters and Cholesterol Concentration on Giant Unilamellar Vesicles Electroformation. Cell Biochemistry and Biophysics, 2020, 78, 157-164.	1.8	6
28	Optimization of Giant Unilamellar Vesicle Electroformation for Phosphatidylcholine/Sphingomyelin/Cholesterol Ternary Mixtures. Membranes, 2022, 12, 525.	3.0	5
29	Physiciansâ€™ attitudes about interprofessional treatment of chronic pain: family physicians are considered the most important collaborators. Scandinavian Journal of Caring Sciences, 2013, 27, 303-310.	2.1	4
30	Cholesterol Bilayer Domain in Phospholipid Bilayer Membranes can be Detected by Confocal Microscope. Biophysical Journal, 2015, 108, 403a-404a.	0.5	2
31	Multilamellar Liposomes as a Model for Biological Membranes: Saturation Recovery EPR Spin-Labeling Studies. Membranes, 2022, 12, 657.	3.0	2
32	Introduction to the Second Adriatic Symposium on Biophysical Approaches in Biomedical Studies. Cell Biochemistry and Biophysics, 2019, 77, 1-1.	1.8	1
33	Three Premodern Concepts of Disease. Collegium Antropologicum, 2021, 45, 141-149.	0.2	1
34	Three-dimensional Dynamic Structure Of Phospholipid Bilayers Saturated With Cholesterol. Biophysical Journal, 2009, 96, 149a-150a.	0.5	0
35	Phase Boundaries in Phosphatidylcholine Membranes Saturated and Oversaturated with Cholesterol. Biophysical Journal, 2012, 102, 81a-82a.	0.5	0
36	Health-Related Concepts and Cognitive Linguistics. Collegium Antropologicum, 2020, 44, 181-187.	0.2	0