Justyna Widomska

List of Publications by Year
in descending order

32	1,256	331670 21	434195 31
papers	citations	h-index	g-index

32	32	32	1335
all docs	docs citations	times ranked	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	Physical properties of lipid bilayers from EPR spin labeling and their influence on chemical reactions in a membrane environment. Free Radical Biology and Medicine, 2009, 46, 707-718.	2.9	69
4	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
5	Carotenoid-membrane interactions in liposomes: effect of dipolar, monopolar, and nonpolar carotenoids.. Acta Biochimica Polonica, 2019, 53, 475-484.	0.5	64
6	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
7	Location of macular xanthophylls in the most vulnerable regions of photoreceptor outer-segment membranes. Archives of Biochemistry and Biophysics, 2010, 504, 61-66.	3.0	59
8	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
9	Why has Nature Chosen Lutein and Zeaxanthin to Protect the Retina?. Journal of Clinical & Experimental Ophthalmology, 2014, 05, 326.	0.1	58
10	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
11	Studying Lipid Organization in Biological Membranes Using Liposomes and EPR Spin Labeling. Methods in Molecular Biology, 2010, 606, 247-269.	0.9	50
12	Can Xanthophyll-Membrane Interactions Explain Their Selective Presence in the Retina and Brain?. Foods, 2016, 5, 7.	4.3	49
13	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
14	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
15	Saturation-Recovery Electron Paramagnetic Resonance Discrimination by Oxygen Transport (DOT) Method for Characterizing Membrane Domains. Methods in Molecular Biology, 2007, 398, 143-157.	0.9	40
16	Calorimetric studies of the effect of cis-carotenoids on the thermotropic phase behavior of phosphatidylcholine bilayers. Biophysical Chemistry, 2009, 140, 108-114.	2.8	33
17	Cholesterol Bilayer Domains in the Eye Lens Health: A Review. Cell Biochemistry and Biophysics, 2017, 75, 387-398.	1.8	29
18	Why Is Very High Cholesterol Content Beneficial for the Eye Lens but Negative for Other Organs?. Nutrients, 2019, 11, 1083.	4.1	26

#	Article	IF	Citations
19	The effect of carotenoids on the concentration of singlet oxygen in lipid membranes. Biochimica Et Biophysica Acta - Biomembranes, 2019, 1861, 845-851.	2.6	25
20	Why Is Zeaxanthin the Most Concentrated Xanthophyll in the Central Fovea?. Nutrients, 2020, 12, 1333.	4.1	24
21	Carotenoid-membrane interactions in liposomes: effect of dipolar, monopolar, and nonpolar carotenoids. Acta Biochimica Polonica, 2006, 53, 475-84.	0.5	21
22	Factors Differentiating the Antioxidant Activity of Macular Xanthophylls in the Human Eye Retina. Antioxidants, 2021, 10, 601.	5.1	14
23	Mechanisms enhancing the protective functions of macular xanthophylls in the retina during oxidative stress. Experimental Eye Research, 2019, 178, 238-246.	2.6	13
24	Factors Determining the Oxygen Permeability of Biological Membranes: Oxygen Transport Across Eye Lens Fiber-Cell Plasma Membranes. Advances in Experimental Medicine and Biology, 2017, 977, 27-34.	1.6	10
25	Can macular xanthophylls replace cholesterol in formation of the liquid-ordered phase in lipid-bilayer membranes?. Acta Biochimica Polonica, 2012, 59, .	0.5	10
26	The influence of lead on the biomechanical properties of bone tissue in rats. Annals of Agricultural and Environmental Medicine, 2014, 21, 278-281.	1.0	10
27	Transmembrane localization of cis-isomers of zeaxanthin in the host dimyristoylphosphatidylcholine bilayer membrane. Biochimica Et Biophysica Acta - Biomembranes, 2008, 1778, 10-19.	2.6	8
28	Can macular xanthophylls replace cholesterol in formation of the liquid-ordered phase in lipid-bilayer membranes?. Acta Biochimica Polonica, 2012, 59, 109-14.	0.5	6
29	Modeling gender effects on electrical activity of single ventricular myocytes. Computers in Biology and Medicine, 2013, 43, 1063-1072.	7.0	5
30	Factors Determining Barrier Properties to Oxygen Transport Across Model and Cell Plasma Membranes Based on EPR Spin-Label Oximetry. Applied Magnetic Resonance, 2021, 52, 1237.	1.2	4
31	Multilamellar Liposomes as a Model for Biological Membranes: Saturation Recovery EPR Spin-Labeling Studies. Membranes, 2022, 12, 657.	3.0	2
32	Role of cholesterol in maintaining the physical properties of the plasma membrane. , 2022, , 41-71.		0