Katarzyna HÄc-Wydro

List of Publications by Year
in descending order

#	Article	IF	Citations
1	The effect of selected bisphenols on model erythrocyte membranes of different cholesterol content. Chemistry and Physics of Lipids, 2022, 247, 105224.	3.2	1
2	The effect of major terpenes of the hop essential oil on the mixed monolayers and bilayers imitating bacteria membranes. In search of the natural pesticides.. Journal of Molecular Liquids, 2021, 327, 114903.	4.9	4
3	The influence of ergosterol on the action of the hop oil and its major terpenes on model fungi membranes. Towards understanding the mechanism of action of phytocompounds for food and plant protection. Chemistry and Physics of Lipids, 2021, 238, 105092.	3.2	3
4	The influence of cationic lipoid - 1-palmitoyl-2-oleoyl-sn-glycero-3-ethylphosphocholine - on model lipid membranes. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183088.	2.6	3
5	The impact of toxic bisphenols on model human erythrocyte membranes. Colloids and Surfaces B: Biointerfaces, 2020, 186, 110670.	5.0	4
6	The impact of Î²-myrcene â€“ the main component of the hop essential oil â€“ on the lipid films. Journal of Molecular Liquids, 2020, 308, 113028.	4.9	19
7	The comparative analysis of the effect of environmental toxicants: Bisphenol A, S and F on model plant, fungi and bacteria membranes. The studies on multicomponent systems. Journal of Molecular Liquids, 2019, 289, 111136.	4.9	21
8	The impact of selected Polycyclic Aromatic Hydrocarbons (PAHs) on the morphology, stability and relaxation of ternary lipid monolayers imitating soil bacteria membrane. Journal of Molecular Liquids, 2019, 276, 409-416.	4.9	11
9	Studies on the Interactions of 2-Hydroxyoleic Acid with Monolayers and Bilayers Containing Cationic Lipid: Searching for the Formulations for More Efficient Drug Delivery to Cancer Cells. Langmuir, 2019, 35, 9084-9092.	3.5	6
10	The influence of terpinen-4-ol and eucalyptol â€“ The essential oil components - on fungi and plant sterol monolayers. Biochimica Et Biophysica Acta - Biomembranes, 2019, 1861, 1093-1102.	2.6	14
11	The influence of the essential oil extracted from hops on monolayers and bilayers imitating plant pathogen bacteria membranes. Colloids and Surfaces B: Biointerfaces, 2019, 173, 672-680.	5.0	11
12	Influence of Cationic Phosphatidylcholine Derivative on Monolayer and Bilayer Artificial Bacterial Membranes. Langmuir, 2018, 34, 5097-5105.	3.5	6
13	The influence of eucalyptol/terpinen-4-ol mixtures on monolayers imitating plant pathogen Botrytis cinerea membranes. Journal of Molecular Liquids, 2018, 271, 472-480.	4.9	3
14	Studies on the interactions of anticancer drug - Minerval - with membrane lipids in binary and ternary Langmuir monolayers. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 2329-2336.	2.6	21
15	Essential oils as food eco-preservatives: Model system studies on the effect of temperature on limonene antibacterial activity. Food Chemistry, 2017, 235, 127-135.	8.2	53
16	Effect of Cd 2+ and Cd 2+ /auxin mixtures on lipid monolayers â€“ Model membrane studies on the role of auxins in phytoremediation of metal ions from contaminated environment. Biochimica Et Biophysica Acta - Biomembranes, 2017, 1859, 1164-1171.	2.6	8
17	Studies on the Behavior of Eucalyptol and Terpinen-4-olâ€"Natural Food Additives and Ecological Pesticidesâ€"in Model Lipid Membranes. Langmuir, 2017, 33, 6916-6924.	3.5	10
18	The influence of environmentally friendly pesticide â¿¿ Eucalyptol â¿¿ alone and in combination with terpinen-4-ol â¿¿ on model bacterial membranes. Colloids and Surfaces B: Biointerfaces, 2016, 146, 918-923.	5.0	16

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19	The impact of auxins used in assisted phytoextraction of metals from the contaminated environment on the alterations caused by lead(II) ions in the organization of model lipid membranes. Colloids and Surfaces B: Biointerfaces, 2016, 143, 124-130.	5.0	23
20	Antagonistic effects of Î±-tocopherol and ursolic acid on model bacterial membranes. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 2154-2162.	2.6	9
21	The influence of cholesterol precursor â€" desmosterol â€" on artificial lipid membranes. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 1639-1645.	2.6	3
22	Phospatidylserine or ganglioside â€" Which of anionic lipids determines the effect of cationic dextran on lipid membrane?. Colloids and Surfaces B: Biointerfaces, 2015, 126, 204-209.	5.0	3
23	Crucial Role of the Double Bond Isomerism in the Steroid B-Ring on the Membrane Properties of Sterols. Grazing Incidence X-Ray Diffraction and Brewster Angle Microscopy Studies. Langmuir, 2015, 31, 7364-7373.	3.5	11
24	The studies on the toxicity mechanism of environmentally hazardous natural (IAA) and synthetic (NAA) auxin â€" The experiments on model Arabidopsis thaliana and rat liver plasma membranes. Colloids and Surfaces B: Biointerfaces, 2015, 130, 53-60.	5.0	29
25	The comparison of zymosterol vs cholesterol membrane properties â€"The effect of zymosterol on lipid monolayers. Colloids and Surfaces B: Biointerfaces, 2014, 123, 524-532.	5.0	10
26	Miscibility and interactions of animal and plant sterols with choline plasmalogen in binary and multicomponent model systems. Colloids and Surfaces B: Biointerfaces, 2014, 116, 138-146.	5.0	1
27	Natural vs synthetic auxin: Studies on the interactions between plant hormones and biological membrane lipids. Environmental Research, 2014, 133, 123-134.	7.5	26
28	Edelfosine in Membrane Environment - the Langmuir Monolayer Studies. Anti-Cancer Agents in Medicinal Chemistry, 2014, 14, 499-508.	1.7	20
29	The effect of Î²-sitosterol on the properties of cholesterol/phosphatidylcholine/ganglioside monolayersâ€"The impact of monolayer fluidity. Colloids and Surfaces B: Biointerfaces, 2013, 110, 113-119.	5.0	11
30	Studies on Î²-sitosterol and ceramide-induced alterations in the properties of cholesterol/sphingomyelin/ganglioside monolayers. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 2460-2469.	2.6	11
31	The influence of plant stanol (Î²-sitostanol) on inner leaflet of human erythrocytes membrane modeled with the Langmuir monolayer technique. Colloids and Surfaces B: Biointerfaces, 2013, 102, 178-188.	5.0	17
32	Interactions between single-chained ether phospholipids and sphingomyelin in mixed monolayers at the air/water interfaceâ€"Grazing incidence X-ray diffraction and Brewster angle microscopy studies. Colloids and Surfaces B: Biointerfaces, 2013, 111, 43-51.	5.0	9
33	Externalization of phosphatidylserine from inner to outer layer may alter the effect of plant sterols on human erythrocyte membrane â€" The Langmuir monolayer studies. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 2184-2191.	2.6	8
34	Langmuir monolayers studies on the relationship between the content of cholesterol in model erythrocyte membranes and the influence of Î²-sitosterol. Colloids and Surfaces B: Biointerfaces, 2012, 91, 226-233.	5.0	12
35	Towards the understanding of the behavior of single-chained ether phospholipids in model biomembranes: Interactions with phosphatidylethanolamines in Langmuir monolayers. Colloids and Surfaces B: Biointerfaces, 2012, 97, 162-170.	5.0	10
36	Properties of Î²-sitostanol/DPPC monolayers studied with Grazing Incidence X-ray Diffraction (GIXD) and Brewster Angle Microscopy. Journal of Colloid and Interface Science, 2011, 364, 133-139.	9.4	12

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37	Edelfosine disturbs the sphingomyelinâ€“cholesterol model membrane system in a cholesterol-dependent way â€“ The Langmuir monolayer study. Colloids and Surfaces B: Biointerfaces, 2011, 88, 635-640.	5.0	27
38	The influence of plant stanol on phospholipids monolayers â€“ The effect of phospholipid structure. Journal of Colloid and Interface Science, 2011, 360, 681-689.	9.4	10
39	The relationship between the concentration of ganglioside GM1 and antitumor activity of edelfosineâ€"The Langmuir monolayer study. Colloids and Surfaces B: Biointerfaces, 2010, 81, 385-388.	5.0	15
40	The replacement of cholesterol by phytosterols and the increase of total sterol content in model erythrocyte membranes. Chemistry and Physics of Lipids, 2010, 163, 689-697.	3.2	20
41	Effect of edelfosine on tumor and normal cells model membranesâ€"A comparative study. Colloids and Surfaces B: Biointerfaces, 2010, 76, 366-369.	5.0	26
42	Searching for the role of membrane sphingolipids in selectivity of antitumor ether lipidâ€“edelfosine. Colloids and Surfaces B: Biointerfaces, 2010, 81, 492-497.	5.0	16
43	Comparative Studies on the Influence of Î²-Sitosterol and Stigmasterol on Model Sphingomyelin Membranes: A Grazing-Incidence X-ray Diffraction Study. Journal of Physical Chemistry B, 2010, 114, 6866-6871.	2.6	12
44	Cholesterol and phytosterols effect on sphingomyelin/phosphatidylcholine model membranesâ€"Thermodynamic analysis of the interactions in ternary monolayers. Journal of Colloid and Interface Science, 2009, 329, 265-272.	9.4	39
45	Effect of saturation degree on the interactions between fatty acids and phosphatidylcholines in binary and ternary Langmuir monolayers. Colloids and Surfaces B: Biointerfaces, 2009, 72, 101-111.	5.0	42
46	Langmuir Monolayer Study toward Combined Antileishmanian Therapy Involving Amphotericin B and Edelfosine. Journal of Physical Chemistry B, 2009, 113, 14239-14246.	2.6	10
47	Interactions between amphotericin B 3-(N',N'-dimethylamino) propyl amide and cellular membrane components in Langmuir monolayers. Thin Solid Films, 2008, 516, 1197-1203.	1.8	5
48	The Impact of Sterol Structure on the Interactions with Sphingomyelin in Mixed Langmuir Monolayers. Journal of Physical Chemistry B, 2008, 112, 11324-11332.	2.6	58
49	Chitosan as a Lipid Binder: A Langmuir Monolayer Study of Chitosanâˆ'Lipid Interactions. Biomacromolecules, 2007, 8, 2611-2617.	5.4	169
50	Thermodynamic Description of the Interactions between Lipids in Ternary Langmuir Monolayers:Â the Study of Cholesterol Distribution in Membranes. Journal of Physical Chemistry B, 2007, 111, 2495-2502.	2.6	66
51	The study on the interaction between phytosterols and phospholipids in model membranes. Chemistry and Physics of Lipids, 2007, 150, 22-34.	3.2	84
52	The influence of fatty acids on model cholesterol/phospholipid membranes. Chemistry and Physics of Lipids, 2007, 150, 66-81.	3.2	116
53	The influence of phospholipid structure on the interactions with nystatin, a polyene antifungal antibiotic. Chemistry and Physics of Lipids, 2007, 150, 125-135.	3.2	40
54	Interaction between nystatin and natural membrane lipids in Langmuir monolayersâ€"The role of a phospholipid in the mechanism of polyenes mode of action. Biophysical Chemistry, 2006, 123, 154-161.	2.8	55

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55	Nystatin in Langmuir monolayers at the air/water interface. Colloids and Surfaces B: Biointerfaces, 2006, 53, 64-71.	5.0	15
56	Interactions between dialkyldimethylammonium bromides (DXDAB) and sterolsâ€"a monolayer study. Journal of Colloid and Interface Science, 2005, 286, 504-510.	9.4	19
57	A study of the interaction between dialkyldimethylammonium bromides and tri-n-octylphosphine oxide (topo) in mixed monolayers at the air/water interface. Journal of Colloid and Interface Science, 2004, 278, 206-214.	9.4	7