

Petra Pullmannova

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/383522/publications.pdf>

Version: 2024-02-01

28
papers

462
citations

687363
13
h-index

713466
21
g-index

28
all docs

28
docs citations

28
times ranked

473
citing authors

#	ARTICLE	IF	CITATIONS
1	Cholesterol sulfate fluidizes the sterol fraction of the stratum corneum lipid phase and increases its permeability. <i>Journal of Lipid Research</i> , 2022, 63, 100177.	4.2	5
2	Assembly of Human Stratum Corneum Lipids In Vitro: Fluidity Matters. <i>Journal of Investigative Dermatology</i> , 2022, 142, 2036-2039.e3.	0.7	5
3	Effects of (R)- and (S)-1-Hydroxylation of Acyl Chains in Sphingosine, Dihydrosphingosine, and Phytosphingosine Ceramides on Phase Behavior and Permeability of Skin Lipid Models. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7468.	4.1	11
4	Acidic pH Is Required for the Multilamellar Assembly of Skin Barrier Lipids In Vitro. <i>Journal of Investigative Dermatology</i> , 2021, 141, 1915-1921.e4.	0.7	11
5	Effects of omega-O-acylceramide structures and concentrations in healthy and diseased skin barrier lipid membrane models. <i>Journal of Lipid Research</i> , 2020, 61, 219-228.	4.2	26
6	The Sphingosine and Acyl Chains of Ceramide [NS] Show Very Different Structure and Dynamics That Challenge Our Understanding of the Skin Barrier. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17383-17387.	13.8	22
7	Behavior of 1-Deoxy-, 3-Deoxy- and N-Methyl-Ceramides in Skin Barrier Lipid Models. <i>Scientific Reports</i> , 2020, 10, 3832.	3.3	6
8	Die unterschiedliche Struktur und Dynamik der Sphingosin- und Acylketten von Ceramid [NS] verändern unser Verständnis der Struktur der Hautbarriere. <i>Angewandte Chemie</i> , 2020, 132, 17536-17540.	2.0	0
9	Long and very long lamellar phases in model stratum corneum lipid membranes. <i>Journal of Lipid Research</i> , 2019, 60, 963-971.	4.2	18
10	Permeability and microstructure of cholesterol-depleted skin lipid membranes and human stratum corneum. <i>Journal of Colloid and Interface Science</i> , 2019, 535, 227-238.	9.4	24
11	Probing the role of ceramide hydroxylation in skin barrier lipid models by 2H solid-state NMR spectroscopy and X-ray powder diffraction. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 1162-1170.	2.6	16
12	Effects of Ceramide and Dihydroceramide Stereochemistry at C-3 on the Phase Behavior and Permeability of Skin Lipid Membranes. <i>Langmuir</i> , 2018, 34, 521-529.	3.5	10
13	DNA-DOPE-gemini surfactants complexes at low surface charge density: from structure to transfection efficiency. <i>General Physiology and Biophysics</i> , 2018, 37, 57-69.	0.9	6
14	Effects of 6-Hydroxyceramides on the Thermotropic Phase Behavior and Permeability of Model Skin Lipid Membranes. <i>Langmuir</i> , 2017, 33, 2890-2899.	3.5	18
15	Permeability and microstructure of model stratum corneum lipid membranes containing ceramides with long (C16) and very long (C24) acyl chains. <i>Biophysical Chemistry</i> , 2017, 224, 20-31.	2.8	49
16	Permeability Barrier and Microstructure of Skin Lipid Membrane Models of Impaired Glucosylceramide Processing. <i>Scientific Reports</i> , 2017, 7, 6470.	3.3	21
17	Stimuli responsive polymorphism of C12NO/DOPE/DNA complexes: Effect of pH, temperature and composition. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 1127-1138.	2.6	9
18	The Role of the Trans Double Bond in Skin Barrier Sphingolipids: Permeability and Infrared Spectroscopic Study of Model Ceramide and Dihydroceramide Membranes. <i>Langmuir</i> , 2014, 30, 5527-5535.	3.5	24

#	ARTICLE	IF	CITATIONS
19	Different Phase Behavior and Packing of Ceramides with Long (C16) and Very Long (C24) Acyls in Model Membranes: Infrared Spectroscopy Using Deuterated Lipids. Journal of Physical Chemistry B, 2014, 118, 10460-10470.	2.6	65
20	Effects of sphingomyelin/ceramide ratio on the permeability and microstructure of model stratum corneum lipid membranes. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 2115-2126.	2.6	46
21	The microstructure of DNA-egg yolk phosphatidylcholine-gemini surfactants complexes: effect of the spacer length. Drug Metabolism and Drug Interactions, 2012, 27, 47-54.	0.3	3
22	Lipid bilayer " DNA interaction mediated by divalent metal cations: SANS and SAXD study. Journal of Physics: Conference Series, 2012, 351, 012011.	0.4	13
23	The DNA "DNA spacing in gemini surfactants "DOPE "DNA complexes. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 2725-2731.	2.6	13
24	Study of interaction of long-chain n-alcohols with fluid DOPC bilayers by a lateral pressure sensitive fluorescence probe. General Physiology and Biophysics, 2012, 31, 225-227.	0.9	4
25	The ionic strength effect on the DNA complexation by DOPC " gemini surfactants liposomes. Biophysical Chemistry, 2012, 160, 35-45.	2.8	23
26	Small Angle X-ray Diffraction Study of DNA "Cationic Liposomes Aggregates. , 2010, , .		0
27	Interaction of short-fragmented DNA with dipalmitoylphosphatidylcholine bilayers in presence of zinc. General Physiology and Biophysics, 2009, 28, 146-159.	0.9	9
28	The structural variety of DNA-DPPC-divalent metal cation aggregates: SAXD and SANS study. European Physical Journal: Special Topics, 2009, 167, 191-197.	2.6	5