Petra Pullmannova

List of Publications by Year
in descending order

28 papers	462 citations	687220 13 h-index	713332 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. Journal of Lipid Research, 2022, 63, 100177.	2.0	5
2	Assembly of Human Stratum Corneum Lipids InÂVitro: Fluidity Matters. Journal of Investigative Dermatology, 2022, 142, 2036-2039.e3.	0.3	5
3	Effects of (R)- and (S)-Î±-Hydroxylation of Acyl Chains in Sphingosine, Dihydrosphingosine, and Phytosphingosine Ceramides on Phase Behavior and Permeability of Skin Lipid Models. International Journal of Molecular Sciences, 2021, 22, 7468.	1.8	11
4	Acidic pH Is Required for the Multilamellar Assembly of Skin Barrier Lipids InÂVitro. Journal of Investigative Dermatology, 2021, 141, 1915-1921.e4.	0.3	11
5	Effects of omega-O-acylceramide structures and concentrations in healthy and diseased skin barrier lipid membrane models. Journal of Lipid Research, 2020, 61, 219-228.	2.0	26
6	The Sphingosine and Acyl Chains of Ceramide [NS] Show Very Different Structure and Dynamics That Challenge Our Understanding of the Skin Barrier. Angewandte Chemie - International Edition, 2020, 59, 17383-17387.	7.2	22
7	Behavior of 1-Deoxy-, 3-Deoxy- and N-Methyl-Ceramides in Skin Barrier Lipid Models. Scientific Reports, 2020, 10, 3832.	1.6	6
8	Die unterschiedliche Struktur und Dynamik der Sphingosinâ€•und Acylketten von Ceramid [NS] verÃndern unser VerstÃndnis der Struktur der Hautbarriere. Angewandte Chemie, 2020, 132, 17536-17540.	1.6	0
9	Long and very long lamellar phases in model stratum corneum lipid membranes. Journal of Lipid Research, 2019, 60, 963-971.	2.0	18
10	Permeability and microstructure of cholesterol-depleted skin lipid membranes and human stratum corneum. Journal of Colloid and Interface Science, 2019, 535, 227-238.	5.0	24
11	Probing the role of ceramide hydroxylation in skin barrier lipid models by 2H solid-state NMR spectroscopy and X-ray powder diffraction. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 1162-1170.	1.4	16
12	Effects of Ceramide and Dihydroceramide Stereochemistry at C-3 on the Phase Behavior and Permeability of Skin Lipid Membranes. Langmuir, 2018, 34, 521-529.	1.6	10
13	DNAâ€“DOPEâ€“gemini surfactants complexes at low surface charge density: from structure to transfection efficiency. General Physiology and Biophysics, 2018, 37, 57-69.	0.4	6
14	Effects of 6-Hydroxyceramides on the Thermotropic Phase Behavior and Permeability of Model Skin Lipid Membranes. Langmuir, 2017, 33, 2890-2899.	1.6	18
15	Permeability and microstructure of model stratum corneum lipid membranes containing ceramides with long (C16) and very long (C24) acyl chains. Biophysical Chemistry, 2017, 224, 20-31.	1.5	49
16	Permeability Barrier and Microstructure of Skin Lipid Membrane Models of Impaired Glucosylceramide Processing. Scientific Reports, 2017, 7, 6470.	1.6	21
17	Stimuli responsive polymorphism of C12NO/DOPE/DNA complexes: Effect of pH, temperature and composition. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 1127-1138.	1.4	9
18	The Role of the Trans Double Bond in Skin Barrier Sphingolipids: Permeability and Infrared Spectroscopic Study of Model Ceramide and Dihydroceramide Membranes. Langmuir, 2014, 30, 5527-5535.	1.6	24

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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.	1.2	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.	1.4	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 â€“ DNA interaction mediated by divalent metal cations: SANS and SAXD study. Journal of Physics: Conference Series, 2012, 351, 012011.	0.3	13
23	The DNAâ€“DNA spacing in gemini surfactantsâ€“DOPEâ€“DNA complexes. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 2725-2731.	1.4	13
24	Study of interaction of long-chain n-alcohols with fluid DOPC bilayers by aÂlateral pressure sensitive fluorescence probe. General Physiology and Biophysics, 2012, 31, 225-227.	0.4	4
25	The ionic strength effect on the DNA complexation by DOPC â€” gemini surfactants liposomes. Biophysical Chemistry, 2012, 160, 35-45.	1.5	23
26	Small Angle X-ray Diffraction Study of DNAâ€"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.	0.4	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.	1.2	5