

Peter MÃ¼ller

List of Publications by Year in descending order

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53
papers

1,876
citations

279487

23
h-index

253896

43
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57
all docs

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docs citations

57
times ranked

1926
citing authors

#	ARTICLE	IF	CITATIONS
1	The Potential of Fluorescent and Spin-labeled Steroid Analogs to Mimic Natural Cholesterol. <i>Journal of Biological Chemistry</i> , 2003, 278, 45563-45569.	1.6	171
2	Characterization of the Ternary Mixture of Sphingomyelin, POPC, and Cholesterol: Support for an Inhomogeneous Lipid Distribution at High Temperatures. <i>Biophysical Journal</i> , 2008, 94, 2680-2690.	0.2	127
3	Dynamics of Membrane Penetration of the Fluorescent 7-Nitrobenz-2-Oxa-1,3-Diazol-4-yl (NBD) Group Attached to an Acyl Chain of Phosphatidylcholine. <i>Biophysical Journal</i> , 2001, 80, 822-831.	0.2	109
4	Analysis of stem cell lipids by offline HPTLC-MALDI-TOF MS. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 392, 849-860.	1.9	107
5	Peptides corresponding to helices 5 and 6 of Bax can independently form large lipid pores. <i>FEBS Journal</i> , 2006, 273, 971-981.	2.2	97
6	Rapid Transbilayer Movement of the Fluorescent Sterol Dehydroergosterol in Lipid Membranes. <i>Biophysical Journal</i> , 2002, 83, 1525-1534.	0.2	87
7	Biophysical characterization of the interaction of bovine seminal plasma protein PDC-109 with phospholipid vesicles. <i>European Biophysics Journal</i> , 1998, 27, 33-41.	1.2	85
8	Rapid Flip-Flop of Phospholipids in Endoplasmic Reticulum Membranes Studied by a Stopped-Flow Approach. <i>Biophysical Journal</i> , 2000, 78, 2628-2640.	0.2	85
9	StarD10, a START Domain Protein Overexpressed in Breast Cancer, Functions as a Phospholipid Transfer Protein. <i>Journal of Biological Chemistry</i> , 2005, 280, 27436-27442.	1.6	79
10	Influence of the Bovine Seminal Plasma Protein PDC-109 on the Physical State of Membranes. <i>Biochemistry</i> , 2001, 40, 8326-8334.	1.2	75
11	Analysis of the lipid composition of bull spermatozoa by MALDI-TOF mass spectrometry—a cautionary note. <i>Chemistry and Physics of Lipids</i> , 2003, 126, 85-94.	1.5	75
12	Desmosterol May Replace Cholesterol in Lipid Membranes. <i>Biophysical Journal</i> , 2005, 88, 1838-1844.	0.2	68
13	Cholesterol's Aliphatic Side Chain Modulates Membrane Properties. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12848-12851.	7.2	54
14	Rapid Transbilayer Movement of Spin-Labeled Steroids in Human Erythrocytes and in Liposomes. <i>Biophysical Journal</i> , 2002, 82, 1418-1428.	0.2	53
15	Uptake of a fluorescent methyl- β -cyclodextrin via clathrin-dependent endocytosis. <i>Chemistry and Physics of Lipids</i> , 2012, 165, 505-511.	1.5	40
16	Vesicular and Nonvesicular Transport of Phosphatidylcholine in Polarized HepG2 Cells. <i>Traffic</i> , 2001, 2, 277-296.	1.3	38
17	Structural and molecular characterization of equine sperm-binding fibronectin-II module proteins. <i>Molecular Reproduction and Development</i> , 2005, 70, 45-57.	1.0	38
18	Interaction of Mammalian Seminal Plasma Protein PDC-109 with Cholesterol: Implications for a Putative CRAC Domain. <i>Biochemistry</i> , 2010, 49, 9027-9031.	1.2	37

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19	Influence of the bovine seminal plasma protein PDC-109 on cholesterol in the presence of phospholipids. <i>European Biophysics Journal</i> , 2002, 31, 438-447.	1.2	36
20	Organization of fluorescent cholesterol analogs in lipid bilayers – Lessons from cyclodextrin extraction. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 1822-1828.	1.4	36
21	Interaction of Fibronectin Type II Proteins with Membranes: The Stallion Seminal Plasma Protein SP-1/2. <i>Biochemistry</i> , 2004, 43, 464-472.	1.2	29
22	Dynamics of lipid chain attached fluorophore 7-nitrobenz-2-oxa-1,3-diazol-4-yl (NBD) in negatively charged membranes determined by NMR spectroscopy. <i>European Biophysics Journal</i> , 2003, 32, 47-54.	1.2	28
23	The adrenal specific toxicant mitotane directly interacts with lipid membranes and alters membrane properties depending on lipid composition. <i>Molecular and Cellular Endocrinology</i> , 2016, 428, 68-81.	1.6	25
24	The Lipid Composition Modulates the Influence of the Bovine Seminal Plasma Protein PDC-109 on Membrane Stability. <i>Biochemistry</i> , 2007, 46, 11621-11629.	1.2	21
25	The bovine seminal plasma protein PDC-109 extracts phosphorylcholine-containing lipids from the outer membrane leaflet. <i>European Biophysics Journal</i> , 2007, 36, 461-475.	1.2	21
26	On the validity of lipid dequenching assays for estimating virus fusion kinetics. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1994, 1190, 360-366.	1.4	19
27	The interaction of sorafenib and regorafenib with membranes is modulated by their lipid composition. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 2871-2881.	1.4	19
28	DBD dyes as fluorescent probes for sensing lipophilic environments. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 5367-5371.	1.0	17
29	Membrane Interaction of Ibuprofen with Cholesterol-Containing Lipid Membranes. <i>Biomolecules</i> , 2020, 10, 1384.	1.8	16
30	Molecular Rods with Oligospiroketal Backbones as Anchors in Biological Membranes. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4433-4435.	7.2	15
31	New molecular rods – Characterization of their interaction with membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 2781-2788.	1.4	15
32	Membrane properties of cholesterol analogs with an unbranched aliphatic side chain. <i>Chemistry and Physics of Lipids</i> , 2014, 184, 1-6.	1.5	15
33	Release of Phospholipids from Erythrocyte Membranes by Taurocholate Is Determined by Their Transbilayer Orientation and Hydrophobic Backbone. <i>Biochemistry</i> , 1998, 37, 17093-17103.	1.2	14
34	Interaction of fluorescent phospholipids with cyclodextrins. <i>Chemistry and Physics of Lipids</i> , 2016, 194, 37-48.	1.5	12
35	Use of Liposomes for Studying Interactions of Soluble Proteins with Cellular Membranes. <i>Methods in Molecular Biology</i> , 2010, 606, 69-82.	0.4	10
36	Structure and Dynamics of Molecular Rods in Membranes: Application of a Spin-Labeled Rod. <i>Chemistry - A European Journal</i> , 2013, 19, 2703-2710.	1.7	9

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37	Recruitment of SH α -Containing Peptides to Lipid and Biological Membranes through the Use of a Palmitic Acid Functionalized with a Maleimide Group. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 323-326.	7.2	9
38	Mechanistic Insight into Lipid Binding to Yeast Niemann Pick Type C2 Protein. <i>Biochemistry</i> , 2020, 59, 4407-4420.	1.2	9
39	Lipid dynamics in boar sperm studied by advanced fluorescence imaging techniques. <i>European Biophysics Journal</i> , 2016, 45, 149-163.	1.2	8
40	Interaction of the small-molecule kinase inhibitors tofacitinib and lapatinib with membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020, 1862, 183414.	1.4	8
41	Articulated rods – a novel class of molecular rods based on oligospiroketal (OSK). <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 74-84.	1.3	7
42	Synthesis and Characterization of a New Bifunctionalized, Fluorescent, and Amphiphilic Molecule for Recruiting SH α -Containing Molecules to Membranes. <i>ChemBioChem</i> , 2018, 19, 1643-1647.	1.3	6
43	Impact of Selected Small-Molecule Kinase Inhibitors on Lipid Membranes. <i>Pharmaceuticals</i> , 2021, 14, 746.	1.7	6
44	Biophysical Characterization of a New Phospholipid Analogue with a Spin-Labeled Unsaturated Fatty Acyl Chain. <i>Biophysical Journal</i> , 2009, 96, 1008-1015.	0.2	5
45	The Potential of β -Spinasterol to Mimic the Membrane Properties of Natural Cholesterol. <i>Molecules</i> , 2017, 22, 1390.	1.7	5
46	Drug-Membrane Interactions: Effects of Virus-Specific RNA-Dependent RNA Polymerase Inhibitors Remdesivir and Favipiravir on the Structure of Lipid Bilayers. <i>Biochemistry</i> , 2022, 61, 1392-1403.	1.2	5
47	Seminal lipid profiling and antioxidant capacity: A species comparison. <i>PLoS ONE</i> , 2022, 17, e0264675.	1.1	4
48	Binding of the small-molecule kinase inhibitor ruxolitinib to membranes does not disturb membrane integrity. <i>Biochemistry and Biophysics Reports</i> , 2020, 24, 100838.	0.7	3
49	Membrane properties of hydroxycholesterols related to the brain cholesterol metabolism. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 720-727.	1.3	2
50	Boar spermadhesin AWN: novel insights in its binding behavior and localization on sperm. <i>Biology of Reproduction</i> , 2022, , .	1.2	2
51	Inhibition of influenza virus activity by the bovine seminal plasma protein PDC-109. <i>European Biophysics Journal</i> , 2019, 48, 503-511.	1.2	1
52	A KINETIC MODEL OF PHOSPHOLIPID TRANSLOCATION IN THE ERYTHROCYTE MEMBRANE. <i>Journal of Biological Systems</i> , 1995, 03, 95-103.	0.5	0
53	ATP-dependent redistribution of phosphatidylethanolamine in the plasma membrane of an epithelial and a hepatocytic cell line. <i>Pflügers Archiv European Journal of Physiology</i> , 1996, 431, R243-R244.	1.3	0