Klaus Gawrisch

List of Publications by Year
in descending order

25 papers	2,518 citations	471509 17 h-index	580821 25 g-index
25 all docs	25 docs citations	25 times ranked	2929 citing authors

#	Article	IF	Citations
1	How Do Ethanolamine Plasmalogens Contribute to Order and Structure of Neurological Membranes?. Journal of Physical Chemistry B, 2020, 124, 828-839.	2.6	23
2	Mycobacterium tuberculosis enters macrophages with aid from a bacterial lipid. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 25372-25373.	7.1	4
3	Permeability of membranes in the liquid ordered and liquid disordered phases. Nature Communications, 2019, 10, 5616.	12.8	78
4	Stimulation of Î±-synuclein amyloid formation by phosphatidylglycerol micellar tubules. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 1840-1847.	2.6	23
5	Expression and NMR Structural Studies of Isotopically Labeled Cannabinoid Receptor Type II. Methods in Enzymology, 2017, 593, 387-403.	1.0	9
6	Enhancing the platinum atomic layer deposition infiltration depth inside anodic alumina nanoporous membrane. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2015, 33, .	2.1	11
7	Pore Hydration States of KcsA Potassium Channels in Membranes. Journal of Biological Chemistry, 2015, 290, 26765-26775.	3.4	11
8	Rhodopsin/Lipid Hydrophobic Matchingâ€"Rhodopsin Oligomerization and Function. Biophysical Journal, 2015, 108, 1125-1132.	0.5	54
9	Structural interactions of a voltage sensor toxin with lipid membranes. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E5463-70.	7.1	52
10	The Molecular Structure of the Liquid-Ordered Phase of Lipid Bilayers. Journal of the American Chemical Society, 2014, 136, 725-732.	13.7	217
11	Tafazzin senses curvature. Nature Chemical Biology, 2012, 8, 811-812.	8.0	14
12	Structure and dynamics of polyunsaturated hydrocarbon chains in lipid bilayersâ€"significance for GPCR function. Chemistry and Physics of Lipids, 2008, 153, 64-75.	3.2	61
13	Insights from biophysical studies on the role of polyunsaturated fatty acids for function of G-protein coupled membrane receptors. Prostaglandins Leukotrienes and Essential Fatty Acids, 2008, 79, 131-134.	2.2	56
14	Critical fluctuations in domain-forming lipid mixtures. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 17650-17655.	7.1	408
15	Festschrift to recognize the contribution of Klaus Arnold to the field of biophysics on the occasion of his 65th birthday. European Biophysics Journal, 2007, 36, 261-261.	2.2	1
16	Hydration of POPC bilayers studied by 1H-PFG-MAS-NOESY and neutron diffraction. European Biophysics Journal, 2007, 36, 281-291.	2.2	80
17	Measurement of Lateral Diffusion Rates in Membranes by Pulsed Magnetic Field Gradient, Magic Angle Spinning-Proton Nuclear Magnetic Resonance. Methods in Molecular Biology, 2007, 400, 257-265.	0.9	2
18	The structure of DHA in phospholipid membranes. Lipids, 2003, 38, 445-452.	1.7	89

#	Article	IF	Citations
19	Novel NMR tools to study structure and dynamics of biomembranes. Chemistry and Physics of Lipids, 2002, 116, 135-151.	3.2	76
20	Mechanisms of action of docosahexaenoic acid in the nervous system. Lipids, 2001, 36, 945-959.	1.7	812
21	Light scattering characterization of extruded lipid vesicles. European Biophysics Journal, 1999, 28, 187-199.	2.2	51
22	Influence of Docosahexaenoic Acid and Cholesterol on Lateral Lipid Organization in Phospholipid Mixturesâ€. Biochemistry, 1998, 37, 17299-17308.	2.5	269
23	Multiple mechanisms for critical behavior in the biologically relevant phase of lecithin bilayers. Physical Review E, 1998, 58, 7769-7776.	2.1	56
24	Effect of the conformation of a peptide from gp41 on binding and domain formation in model membranes. Molecular Membrane Biology, 1995, 12, 77-82.	2.0	17
25	Role of interactions at the lipid-water interface for domain formation. Molecular Membrane Biology, 1995, 12, 83-88.	2.0	44