Kirsten Bacia

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3397434/publications.pdf

Version: 2024-02-01

32 papers	2,581 citations	430874 18 h-index	395702 33 g-index
37 all docs	37 docs citations	37 times ranked	3207 citing authors

#	Article	IF	Citations
1	Measuring protein insertion areas in lipid monolayers by fluorescence correlation spectroscopy. Biophysical Journal, 2021, 120, 1333-1342.	0.5	2
2	Plasma membrane nano-organization specifies phosphoinositide effects on Rho-GTPases and actin dynamics in tobacco pollen tubes. Plant Cell, 2021, 33, 642-670.	6.6	32
3	Giant Endoplasmic Reticulum vesicles (GERVs), a novel model membrane tool. Scientific Reports, 2020, 10, 3100.	3.3	4
4	Controlling the Miscibility of X-Shaped Bolapolyphiles in Lipid Membranes by Varying the Chemical Structure and Size of the Polyphile Polar Headgroup. Journal of Physical Chemistry B, 2018, 122, 10861-10871.	2.6	1
5	A Quantitative and Reliable Calibration Standard for Dualâ€Color Fluorescence Crossâ€Correlation Spectroscopy. ChemPhysChem, 2018, 19, 3436-3444.	2.1	5
6	A conserved motif promotes HpaBâ€regulated export of type III effectors from Xanthomonas. Molecular Plant Pathology, 2018, 19, 2473-2487.	4.2	4
7	Influence of thylakoid membrane lipids on the structure of aggregated lightâ€harvesting complexes of the diatom Thalassiosira pseudonana and the green alga Mantoniella squamata. Physiologia Plantarum, 2017, 160, 339-358.	5.2	8
8	Measuring Protein Binding to Lipid Vesicles by Fluorescence Cross-Correlation Spectroscopy. Biophysical Journal, 2017, 113, 1311-1320.	0.5	24
9	Effects of Lateral and Terminal Chains of X-Shaped Bolapolyphiles with Oligo(phenylene ethynylene) Cores on Self-Assembly Behavior. Part 2: Domain Formation by Self-Assembly in Lipid Bilayer Membranes. Polymers, 2017, 9, 476.	4.5	2
10	Binding of the GTPase Sar1 to a Lipid Membrane Monolayer: Insertion and Orientation Studied by Infrared Reflectionâ€“Absorption Spectroscopy. Polymers, 2017, 9, 612.	4.5	9
11	Effects of Lateral and Terminal Chains of X-Shaped Bolapolyphiles with Oligo(phenylene ethynylene) Cores on Self-Assembly Behaviour. Part 1: Transition between Amphiphilic and Polyphilic Self-Assembly in the Bulk. Polymers, 2017, 9, 471.	4.5	14
12	Self-Assembly of X-Shaped Bolapolyphiles in Lipid Membranes: Solid-State NMR Investigations. Langmuir, 2016, 32, 673-682.	3.5	10
13	Dendritic Domains with Hexagonal Symmetry Formed by Xâ€Shaped Bolapolyphiles in Lipid Membranes. Chemistry - A European Journal, 2015, 21, 8840-8850.	3.3	15
14	Temperature-Dependent In-Plane Structure Formation of an X-Shaped Bolapolyphile within Lipid Bilayers. Langmuir, 2015, 31, 2839-2850.	3.5	11
15	Insights from reconstitution reactions of COPII vesicle formation using pure components and low mechanical perturbation. Biological Chemistry, 2014, 395, 801-812.	2.5	13
16	Lateral surface engineering of hybrid lipidâ€“BCP vesicles and selective nanoparticle embedding. Soft Matter, 2014, 10, 831-839.	2.7	26
17	Membrane protein reconstitution into liposomes guided by dual-color fluorescence cross-correlation spectroscopy. Biophysical Chemistry, 2013, 184, 37-43.	2.8	21
18	Intracellular Transport Mechanisms: Nobel Prize for Medicine 2013. Angewandte Chemie - International Edition, 2013, 52, 12486-12488.	13.8	1

#	Article	IF	Citations
19	Controlling Molecular Recognition with Lipid/Polymer Domains in Vesicle Membranes. Angewandte Chemie - International Edition, 2013, 52, 1829-1833.	13.8	47
20	The structure of the COPII transport-vesicle coat assembled on membranes. ELife, 2013, 2, e00951.	6.0	112
21	Controlling the Localization of Polymer-Functionalized Nanoparticles in Mixed Lipid/Polymer Membranes. ACS Nano, 2012, 6, 8713-8727.	14.6	44
22	Correcting for Spectral Crossâ€Talk in Dualâ€Color Fluorescence Crossâ€Correlation Spectroscopy. ChemPhysChem, 2012, 13, 1221-1231.	2.1	43
23	Hybrid lipid/polymer giant unilamellar vesicles: effects of incorporated biocompatible PIBâ€“PEO block copolymers on vesicle properties. Soft Matter, 2011, 7, 8100.	2.7	73
24	Multibudded tubules formed by COPII on artificial liposomes. Scientific Reports, 2011, 1, 17.	3.3	86
25	Fluorescence Correlation Spectroscopy. Methods in Molecular Biology, 2007, 398, 73-84.	0.9	35
26	Practical guidelines for dual-color fluorescence cross-correlation spectroscopy. Nature Protocols, 2007, 2, 2842-2856.	12.0	258
27	Fluorescence cross-correlation spectroscopy in living cells. Nature Methods, 2006, 3, 83-89.	19.0	570
28	From The Cover: Sterol structure determines the separation of phases and the curvature of the liquid-ordered phase in model membranes. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 3272-3277.	7.1	381
29	Two-Photon Cross-Correlation Analysis of Intracellular Reactions with Variable Stoichiometry. Biophysical Journal, 2005, 88, 4319-4336.	0.5	115
30	SNAREs Prefer Liquid-disordered over â€œRaftâ€•(Liquid-ordered) Domains When Reconstituted into Giant Unilamellar Vesicles. Journal of Biological Chemistry, 2004, 279, 37951-37955.	3.4	145
31	Fluorescence Correlation Spectroscopy Relates Rafts in Model and Native Membranes. Biophysical Journal, 2004, 87, 1034-1043.	0.5	299
32	Probing the Endocytic Pathway in Live Cells Using Dual-Color Fluorescence Cross-Correlation Analysis. Biophysical Journal, 2002, 83, 1184-1193.	0.5	165