Kirsten Bacia

List of Publications by Year
in descending order

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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	Fluorescence cross-correlation spectroscopy in living cells. Nature Methods, 2006, 3, 83-89.	19.0	570
2	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
3	Fluorescence Correlation Spectroscopy Relates Rafts in Model and Native Membranes. Biophysical Journal, 2004, 87, 1034-1043.	0.5	299
4	Practical guidelines for dual-color fluorescence cross-correlation spectroscopy. Nature Protocols, 2007, 2, 2842-2856.	12.0	258
5	Probing the Endocytic Pathway in Live Cells Using Dual-Color Fluorescence Cross-Correlation Analysis. Biophysical Journal, 2002, 83, 1184-1193.	0.5	165
6	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
7	Two-Photon Cross-Correlation Analysis of Intracellular Reactions with Variable Stoichiometry. Biophysical Journal, 2005, 88, 4319-4336.	0.5	115
8	The structure of the COPII transport-vesicle coat assembled on membranes. ELife, 2013, 2, e00951.	6.0	112
9	Multibudded tubules formed by COPII on artificial liposomes. Scientific Reports, 2011, 1, 17.	3.3	86
10	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
11	Controlling Molecular Recognition with Lipid/Polymer Domains in Vesicle Membranes. Angewandte Chemie - International Edition, 2013, 52, 1829-1833.	13.8	47
12	Controlling the Localization of Polymer-Functionalized Nanoparticles in Mixed Lipid/Polymer Membranes. ACS Nano, 2012, 6, 8713-8727.	14.6	44
13	Correcting for Spectral Crossâ€Talk in Dualâ€Color Fluorescence Crossâ€Correlation Spectroscopy. ChemPhysChem, 2012, 13, 1221-1231.	2.1	43
14	Fluorescence Correlation Spectroscopy. Methods in Molecular Biology, 2007, 398, 73-84.	0.9	35
15	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
16	Lateral surface engineering of hybrid lipidâ€“BCP vesicles and selective nanoparticle embedding. Soft Matter, 2014, 10, 831-839.	2.7	26
17	Measuring Protein Binding to Lipid Vesicles by Fluorescence Cross-Correlation Spectroscopy. Biophysical Journal, 2017, 113, 1311-1320.	0.5	24
18	Membrane protein reconstitution into liposomes guided by dual-color fluorescence cross-correlation spectroscopy. Biophysical Chemistry, 2013, 184, 37-43.	2.8	21

#	Article	IF	Citations
19	Dendritic Domains with Hexagonal Symmetry Formed by Xâ€Shaped Bolapolyphiles in Lipid Membranes. Chemistry - A European Journal, 2015, 21, 8840-8850.	3.3	15
20	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
21	Insights from reconstitution reactions of COPII vesicle formation using pure components and low mechanical perturbation. Biological Chemistry, 2014, 395, 801-812.	2.5	13
22	Temperature-Dependent In-Plane Structure Formation of an X-Shaped Bolapolyphile within Lipid Bilayers. Langmuir, 2015, 31, 2839-2850.	3.5	11
23	Self-Assembly of X-Shaped Bolapolyphiles in Lipid Membranes: Solid-State NMR Investigations. Langmuir, 2016, 32, 673-682.	3.5	10
24	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
25	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
26	A Quantitative and Reliable Calibration Standard for Dualâ€Color Fluorescence Crossâ€Correlation Spectroscopy. ChemPhysChem, 2018, 19, 3436-3444.	2.1	5
27	A conserved motif promotes HpaBâ€regulated export of type III effectors from Xanthomonas. Molecular Plant Pathology, 2018, 19, 2473-2487.	4.2	4
28	Giant Endoplasmic Reticulum vesicles (GERVs), a novel model membrane tool. Scientific Reports, 2020, 10, 3100.	3.3	4
29	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
30	Measuring protein insertion areas in lipid monolayers by fluorescence correlation spectroscopy. Biophysical Journal, 2021, 120, 1333-1342.	0.5	2
31	Intracellular Transport Mechanisms: Nobel Prize for Medicine 2013. Angewandte Chemie - International Edition, 2013, 52, 12486-12488.	13.8	1
32	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