Martin Hof

List of Publications by Year
in descending order

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242 papers	7,525 citations	57631 44 h-index	82410 72 g-index
251 all docs	251 docs citations	251 times ranked	8445 citing authors

#	Article	IF	Citations
1	Laurdan in live cell imaging: Effect of acquisition settings, cell culture conditions and data analysis on generalized polarization measurements. Journal of Photochemistry and Photobiology B: Biology, 2022, 228, 112404.	1.7	8
2	Superradiant Emission from Coherent Excitons in van Der Waals Heterostructures. Advanced Functional Materials, 2021, 31, 2102196.	7.8	12
3	Optical Near-Field Electron Microscopy. Physical Review Applied, 2021, 16, .	1.5	5
4	Protein Corona Inhibits Endosomal Escape of Functionalized DNA Nanostructures in Living Cells. ACS Applied Materials & Interfaces, 2021, 13, 46375-46390.	4.0	20
5	Hidden complexity in membrane permeabilization behavior of antimicrobial polycations. Physical Chemistry Chemical Physics, 2021, 23, 1475-1488.	1.3	8
6	Antitumor and antioxidant activities of purple potato ethanolic extract and its interaction with liposomes, albumin and plasmid DNA. Food and Function, 2021, 12, 1271-1290.	2.1	11
7	What Does Time-Dependent Fluorescence Shift (TDFS) in Biomembranes (and Proteins) Report on?. Frontiers in Chemistry, 2021, 9, 738350.	1.8	11
8	The impact of the glycan headgroup on the nanoscopic segregation of gangliosides. Biophysical Journal, 2021, 120, 5530-5543.	0.2	8
9	Solvent-Dependent Excited-State Evolution of Prodan Dyes. Journal of Physical Chemistry B, 2021, 125, 13858-13867.	1.2	3
10	Thiophene-linked tetramethylbodipy-labeled nucleotide for viscosity-sensitive oligonucleotide probes of hybridization and proteinâ€“DNA interactions. Organic and Biomolecular Chemistry, 2020, 18, 912-919.	1.5	24
11	Functional Assay to Correlate Protein Oligomerization States with Membrane Pore Formation. Analytical Chemistry, 2020, 92, 14861-14866.	3.2	7
12	Highly synergistic antimicrobial activity of magainin 2 and PGLa peptides is rooted in the formation of supramolecular complexes with lipids. Scientific Reports, 2020, 10, 11652.	1.6	28
13	Hepatic Tumor Cell Morphology Plasticity under Physical Constraints in 3D Cultures Driven by YAPâ€“mTOR Axis. Pharmaceuticals, 2020, 13, 430.	1.7	5
14	Tail-Oxidized Cholesterol Enhances Membrane Permeability for Small Solutes. Langmuir, 2020, 36, 10438-10447.	1.6	24
15	Interleaflet Coupling of Lipid Nanodomains â€“ Insights From in vitro Systems. Frontiers in Cell and Developmental Biology, 2020, 8, 284.	1.8	33
16	Controlled Peptide-Mediated Vesicle Fusion Assessed by Simultaneous Dual-Colour Time-Lapsed Fluorescence Microscopy. Scientific Reports, 2020, 10, 3087.	1.6	25
17	Light-Induced Nanosecond Relaxation Dynamics of Rhenium-Labeled Pseudomonas aeruginosa Azurins. Journal of Physical Chemistry B, 2020, 124, 788-797.	1.2	6
18	Effect of helical kink in antimicrobial peptides on membrane pore formation. ELife, 2020, 9, .	2.8	39

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19	Concurrent Compression of Phospholipid Membranes by Calcium and Cholesterol. Langmuir, 2019, 35, 11358-11368.	1.6	14
20	Orientation of nitro-group governs the fluorescence lifetime of nitrobenzoxadiazole (NBD)-labeled lipids in lipid bilayers. Physical Chemistry Chemical Physics, 2019, 21, 1682-1688.	1.3	16
21	Kink in Helical Peptides Affects Membrane Pore Formation. Biophysical Journal, 2019, 116, 512a.	0.2	0
22	Experimental Evidence of the Existence of Interleaflet Coupled Nanodomains: An MC-FRET Study. Journal of Physical Chemistry Letters, 2019, 10, 2024-2030.	2.1	20
23	Distinct Interactions of Sodium and Calcium Cations and Neutral Phospholipid Membranes and How to Simulate Them. Biophysical Journal, 2019, 116, 90a-91a.	0.2	0
24	Remote Actuation of Apoptosis in Liver Cancer Cells via Magneto-Mechanical Modulation of Iron Oxide Nanoparticles. Cancers, 2019, 11, 1873.	1.7	40
25	6,7-dimethoxy-coumarin as a probe of hydration dynamics in biologically relevant systems. Methods and Applications in Fluorescence, 2018, 6, 025005.	1.1	6
26	Bobbing of Oxysterols: Molecular Mechanism for Translocation of Tail-Oxidized Sterols through Biological Membranes. Journal of Physical Chemistry Letters, 2018, 9, 1118-1123.	2.1	24
27	Oxysterol Translocation through Lipid Bilayers. Biophysical Journal, 2018, 114, 261a.	0.2	0
28	Biomembrane Permeabilization: Statistics of Individual Leakage Events Harmonize the Interpretation of Vesicle Leakage. ACS Nano, 2018, 12, 813-819.	7.3	19
29	Distinct roles of SNARE-mimicking lipopeptides during initial steps of membrane fusion. Nanoscale, 2018, 10, 19064-19073.	2.8	14
30	Arginine-rich cell-penetrating peptides induce membrane multilamellarity and subsequently enter via formation of a fusion pore. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 11923-11928.	3.3	168
31	Roughness of Transmembrane Helices Reduces Lipid Membrane Dynamics. IScience, 2018, 10, 87-97.	1.9	14
32	Molecular Gating of an Engineered Enzyme Captured in Real Time. Journal of the American Chemical Society, 2018, 140, 17999-18008.	6.6	25
33	Membrane Lipid Nanodomains. Chemical Reviews, 2018, 118, 11259-11297.	23.0	152
34	The Impact of O-Glycosylation on Cyanidin Interaction with POPC Membranes: Structure-Activity Relationship. Molecules, 2018, 23, 2771.	1.7	13
35	Fluorescence Correlation Spectroscopy of Lipid Membranes. , 2018, , 1-8.		0
36	Lipid and DNA interaction with the triorganotin dimethylaminophenylazobenzoates studied by DSC and spectroscopy methods. Journal of Thermal Analysis and Calorimetry, 2018, 134, 691-700.	2.0	2

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37	Oxidatively Stressed Mitochondrial Membranes: Insight into their Organization and Function during Apoptosis. Biophysical Journal, 2018, 114, 33a.	0.2	0
38	Monitoring of nucleophosmin oligomerization in live cells. Methods and Applications in Fluorescence, 2018, 6, 035016.	1.1	13
39	Increased Binding of Calcium Ions at Positively Curved Phospholipid Membranes. Journal of Physical Chemistry Letters, 2017, 8, 518-523.	2.1	27
40	GUV and LUV Leakage: How All-Or-None and Graded Leakage Scale with Vesicle Size. Biophysical Journal, 2017, 112, 527a.	0.2	0
41	Laurdan and Di-4-ANEPPDHQ probe different properties of the membrane. Journal Physics D: Applied Physics, 2017, 50, 134004.	1.3	119
42	Impact of GM1 on Membrane-Mediated Aggregation/Oligomerization of Î²-Amyloid: Unifying View. Biophysical Journal, 2017, 113, 1194-1199.	0.2	40
43	Two cations, two mechanisms: interactions of sodium and calcium with zwitterionic lipid membranes. Chemical Communications, 2017, 53, 5380-5383.	2.2	44
44	Interaction of procyanidin B 3 with membrane lipids â€“ Fluorescence, DSC and FTIR studies. Biochimica Et Biophysica Acta - Biomembranes, 2017, 1859, 1362-1371.	1.4	10
45	Apoptotic Bax at Oxidatively Stressed Mitochondrial Membranes: Lipid Dynamics and Permeabilization. Biophysical Journal, 2017, 112, 2147-2158.	0.2	19
46	Mitochondrial Membrane Organization in Regulation of Apoptosis. Biophysical Journal, 2017, 112, 224a.	0.2	1
47	Oxidized Lipids: Their Role in Regulation of Mitochondrial Apoptosis. Biophysical Journal, 2017, 112, 478a.	0.2	0
48	Oxidation of Cholesterol Changes the Permeability of Lipid Membranes. Biophysical Journal, 2017, 112, 377a.	0.2	4
49	Dipolar Relaxation Dynamics at the Active Site of an ATPase Regulated by Membrane Lateral Pressure. Angewandte Chemie, 2017, 129, 1289-1292.	1.6	3
50	Dipolar Relaxation Dynamics at the Active Site of an ATPase Regulated by Membrane Lateral Pressure. Angewandte Chemie - International Edition, 2017, 56, 1269-1272.	7.2	15
51	Lipid Driven Nanodomains in Giant Lipid Vesicles are Fluid and Disordered. Scientific Reports, 2017, 7, 5460.	1.6	34
52	Interaction of Newly Platinum(II) with Tris(2-carboxyethyl)phosphine Complex with DNA and Model Lipid Membrane. Journal of Membrane Biology, 2017, 250, 461-470.	1.0	10
53	Nanoparticle core stability and surface functionalization drive the mTOR signaling pathway in hepatocellular cell lines. Scientific Reports, 2017, 7, 16049.	1.6	38
54	Key steps in unconventional secretion of fibroblast growth factor 2 reconstituted with purified components. ELife, 2017, 6, .	2.8	63

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55	Fluorescence correlation spectroscopy diffusion laws in the presence of moving nanodomains. Journal Physics D: Applied Physics, 2016, 49, 114002.	1.3	19
56	GM 1 â€Gangliosid hemmt die Î²â€Amyloidâ€Oligomerisation, wÃhrend Sphingomyelin diese initiiert. Angewandte Chemie, 2016, 128, 9557-9562.	1.6	1
57	GM₁ Ganglioside Inhibits Î²â€Amyloid Oligomerization Induced by Sphingomyelin. Angewandte Chemie - International Edition, 2016, 55, 9411-9415.	7.2	86
58	The complex nature of calcium cation interactions with phospholipid bilayers. Scientific Reports, 2016, 6, 38035.	1.6	208
59	The Role of Lipids in Regulation of Programmed Cell Death. Biophysical Journal, 2016, 110, 473a.	0.2	0
60	Oxidation of Cholesterol Changes the Physical Properties of Lipid Membranes. Biophysical Journal, 2016, 110, 84a.	0.2	1
61	Determination of Dynamics of Plant Plasma Membrane Proteins with Fluorescence Recovery and Raster Image Correlation Spectroscopy. Microscopy and Microanalysis, 2016, 22, 290-299.	0.2	12
62	A Rotational BODIPY Nucleotide: An Environmentâ€Sensitive Fluorescenceâ€Lifetime Probe for DNA Interactions and Applications in Liveâ€Cell Microscopy. Angewandte Chemie - International Edition, 2016, 55, 174-178.	7.2	103
63	Comprehensive description of blinking-dynamics regimes in single direct-band-gap silicon nanocrystals. Physical Review B, 2016, 93, .	1.1	9
64	RÃ¼cktitelbild: GM₁â€Gangliosid hemmt die Î²â€Amyloidâ€Oligomerisation, wÃhrend Sphingomyelin diese initiiert (Angew. Chem. 32/2016). Angewandte Chemie, 2016, 128, 9592-9592.	1.6	0
65	Solvatochromic fluorene-linked nucleoside and DNA as color-changing fluorescent probes for sensing interactions. Chemical Science, 2016, 7, 5775-5785.	3.7	55
66	Fluorescence of nitrobenzoxadiazole (NBD)-labeled lipids in model membranes is connected not to lipid mobility but to probe location. Physical Chemistry Chemical Physics, 2016, 18, 7042-7054.	1.3	55
67	Role of protein kinase C Î´ in apoptotic signaling of oxidized phospholipids in RAW 264.7 macrophages. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2016, 1861, 320-330.	1.2	7
68	New cytotoxic butyltin complexes with 2-sulfobenzoic acid: Molecular interaction with lipid bilayers and DNA as well as inÂvitro anticancer activity. Chemico-Biological Interactions, 2016, 243, 107-118.	1.7	14
69	The oxidized phospholipid PazePC promotes permeabilization of mitochondrial membranes by Bax. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 1288-1297.	1.4	14
70	Nature and Size of Ganglioside GM1 Nano-Domains in Lipid Bilayers as Revealed by Advanced Time-Resolved Fluorescence Techniques. Biophysical Journal, 2015, 108, 79a.	0.2	0
71	BCL-2 Family Proteins Effect on Mitochondrial-Mimicking Membrane Structure by Solid State NMR. Biophysical Journal, 2015, 108, 251a-252a.	0.2	0
72	The Effect of Oxidized Lipids on the Interplay of Bcl-2 and Bax Proteins at Mitochondrial Membranes. Biophysical Journal, 2015, 108, 558a.	0.2	0

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73	Cholesterol under oxidative stressâ€"How lipid membranes sense oxidation as cholesterol is being replaced by oxysterols. Free Radical Biology and Medicine, 2015, 84, 30-41.	1.3	57
74	Cytotoxic Lipopeptide Muscotoxin A, Isolated from Soil Cyanobacterium Desmonostoc muscorum, Permeabilizes Phospholipid Membranes by Reducing Their Fluidity. Chemical Research in Toxicology, 2015, 28, 216-224.	1.7	16
75	Fluorescence Quenching in Oligonucleotides Containing 7-Substituted 7-Deazaguanine Bases Prepared by the Nicking Enzyme Amplification Reaction. Bioconjugate Chemistry, 2015, 26, 361-366.	1.8	13
76	On multivalent receptor activity of GM1 in cholesterol containing membranes. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 850-857.	1.9	51
77	Site-Specific Analysis of Protein Hydration Based on Unnatural Amino Acid Fluorescence. Journal of the American Chemical Society, 2015, 137, 4988-4992.	6.6	25
78	Biophysical properties of cationic lipophosphoramidates: Vesicle morphology, bilayer hydration and dynamics. Colloids and Surfaces B: Biointerfaces, 2015, 136, 192-200.	2.5	1
79	TRH-receptor mobility and function in intact and cholesterol-depleted plasma membrane of HEK293 cells stably expressing TRH-R-eGFP. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 781-796.	1.4	16
80	Membrane activity of the pentaene macrolide didehydroroflamycoin in model lipid bilayers. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 444-452.	1.4	9
81	Experimental determination and computational interpretation of biophysical properties of lipid bilayers enriched by cholesteryl hemisuccinate. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 422-432.	1.4	45
82	Phospholipid lateral diffusion in phosphatidylcholine-sphingomyelin-cholesterol monolayers; Effects of oxidatively truncated phosphatidylcholines. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 167-173.	1.4	6
83	The fast polarization modulation based dual-focus fluorescence correlation spectroscopy. Optics Express, 2014, 22, 885.	1.7	7
84	Fluorescence spectral correlation spectroscopy (FSCS) for probes with highly overlapping emission spectra. Optics Express, 2014, 22, 2973.	1.7	22
85	Time-Resolved Fluorescence in Lipid Bilayers: Selected Applications and Advantages over Steady State. Biophysical Journal, 2014, 107, 2751-2760.	0.2	69
86	Does fluoride disrupt hydrogen bond network in cationic lipid bilayer? Time-dependent fluorescence shift of Laurdan and molecular dynamics simulations. Journal of Chemical Physics, 2014, 141, 22D516.	1.2	6
87	The Impact of Oxidized Phospholipids on Lipid Membranes: Consequences for Mitochondrial Apoptosis. Biophysical Journal, 2014, 106, 634a.	0.2	0
88	The alteration of lipid bilayer dynamics by phloretin and 6-ketocholestanol. Chemistry and Physics of Lipids, 2014, 178, 38-44.	1.5	8
89	Accurate Determination of the Orientational Distribution of a Fluorescent Molecule in a Phospholipid Membrane. Journal of Physical Chemistry B, 2014, 118, 855-863.	1.2	30
90	Comprehensive portrait of cholesterol containing oxidized membrane. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 1769-1776.	1.4	17

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91	High- and low-affinity sites for sodium in Î´-OR-Gi1Î± (Cys351-Ile351) fusion protein stably expressed in HEK293 cells; functional significance and correlation with biophysical state of plasma membrane. Naunyn-Schmiedeberg's Archives of Pharmacology, 2014, 387, 487-502.	1.4	12
92	Dynamics and hydration explain failed functional transformation in dehalogenase design. Nature Chemical Biology, 2014, 10, 428-430.	3.9	52
93	Shape Pairing of Cholesterol with Oxidized Phospholipid Species in Lipid Bilayers. Biophysical Journal, 2014, 106, 79a.	0.2	0
94	Pairing of cholesterol with oxidized phospholipid species in lipid bilayers. Soft Matter, 2014, 10, 639-647.	1.2	35
95	Di- and tri-oxalkyl derivatives of a boron dipyrromethene (BODIPY) rotor dye in lipid bilayers. Physical Chemistry Chemical Physics, 2014, 16, 10688-10697.	1.3	19
96	Peripheral and Integral Membrane Binding of Peptides Characterized by Time-Dependent Fluorescence Shifts: Focus on Antimicrobial Peptide LAH₄. Langmuir, 2014, 30, 6171-6179.	1.6	24
97	Fluorescence Quenching of (Dimethylamino)naphthalene Dyes Badan and Prodan by Tryptophan in Cytochromes P450 and Micelles. Journal of Physical Chemistry B, 2014, 118, 10085-10091.	1.2	24
98	Statistical filtering in fluorescence microscopy and fluorescence correlation spectroscopy. Analytical and Bioanalytical Chemistry, 2014, 406, 4797-4813.	1.9	15
99	Interaction of new butyltin citrate complex with lipid model membrane and DNA. Journal of Thermal Analysis and Calorimetry, 2014, 118, 967-975.	2.0	5
100	Interactions of beta-blockers with model lipid membranes: Molecular view of the interaction of acebutolol, oxprenolol, and propranolol with phosphatidylcholine vesicles by time-dependent fluorescence shift and molecular dynamics simulations. European Journal of Pharmaceutics and Biopharmaceutics, 2014, 87, 559-569.	2.0	28
101	Z-Scan Fluorescence Correlation Spectroscopy as a Tool for Diffusion Measurements in Planar Lipid Membranes. Methods in Molecular Biology, 2014, 1076, 617-634.	0.4	12
102	Molecular rheometry: direct determination of viscosity in Lo and Ld lipid phases via fluorescence lifetime imaging. Physical Chemistry Chemical Physics, 2013, 15, 14986.	1.3	152
103	Impact of Oxidized Phospholipids on Membrane Organization. Biophysical Journal, 2013, 104, 249a.	0.2	1
104	Interactions of monovalent salts with cationic lipid bilayers. Faraday Discussions, 2013, 160, 341-358.	1.6	17
105	Aggregation of Oligoarginines at Phospholipid Membranes: Molecular Dynamics Simulations, Time-Dependent Fluorescence Shift, and Biomimetic Colorimetric Assays. Journal of Physical Chemistry B, 2013, 117, 11530-11540.	1.2	34
106	Impact of oxidized phospholipids on the structural and dynamic organization of phospholipid membranes: a combined DSC and solid state NMR study. Faraday Discussions, 2013, 161, 499-513.	1.6	26
107	New gluconamide-type cationic surfactants: Interactions with DNA and lipid membranes. Biophysical Chemistry, 2013, 180-181, 44-54.	1.5	20
108	FLIM studies of 22- and 25-NBD-cholesterol in living HEK293 cells: Plasma membrane change induced by cholesterol depletion. Chemistry and Physics of Lipids, 2013, 167-168, 62-69.	1.5	28

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109	Expansion of Access Tunnels and Activeâ€Site Cavities Influence Activity of Haloalkane Dehalogenases in Organic Cosolvents. ChemBioChem, 2013, 14, 890-897.	1.3	33
110	Are Time-Dependent Fluorescence Shifts at the Tunnel Mouth of Haloalkane Dehalogenase Enzymes Dependent on the Choice of the Chromophore?. Journal of Physical Chemistry B, 2013, 117, 7898-7906.	1.2	14
111	Atrazine-Based Self-Assembled Monolayers and Their Interaction with Anti-Atrazine Antibody: Building of an Immunosensor. Langmuir, 2013, 29, 16084-16092.	1.6	12
112	The C-terminal domain of Brd2 is important for chromatin interaction and regulation of transcription and alternative splicing. Molecular Biology of the Cell, 2013, 24, 3557-3568.	0.9	48
113	FÃ¶rster Resonance Energy Transfer (FRET) between Heterogeneously Distributed Probes: Application to Lipid Nanodomains and Pores. International Journal of Molecular Sciences, 2012, 13, 16141-16156.	1.8	16
114	Fluorescence Lifetime Correlation Spectroscopy (FLCS): Concepts, Applications and Outlook. International Journal of Molecular Sciences, 2012, 13, 12890-12910.	1.8	61
115	Dynamics and Size of Cross-Linking-Induced Lipid Nanodomains in Model Membranes. Biophysical Journal, 2012, 102, 2104-2113.	0.2	55
116	Behavior of 4-Hydroxynonenal in Phospholipid Membranes. Journal of Physical Chemistry B, 2012, 116, 6411-6415.	1.2	31
117	Dynamics and Size of Crosslinking-Induced Lipid Nanodomains in Model Membranes. Biophysical Journal, 2012, 102, 294a.	0.2	0
118	Impact of Oxidized Lipids on Membrane Structure and Dynamics and its Interactions with Proteins. Biophysical Journal, 2012, 102, 648a.	0.2	0
119	Structure, dynamics, and hydration of POPC/POPS bilayers suspended in NaCl, KCl, and CsCl solutions. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 609-616.	1.4	98
120	Biophysics of lipid bilayers containing oxidatively modified phospholipids: Insights from fluorescence and EPR experiments and from MD simulations. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 2388-2402.	1.4	108
121	Lipid hydration and mobility: An interplay between fluorescence solvent relaxation experiments and molecular dynamics simulations. Biochimie, 2012, 94, 26-32.	1.3	75
122	Effect of heavy water on phospholipid membranes: experimental confirmation of molecular dynamics simulations. Physical Chemistry Chemical Physics, 2012, 14, 14516.	1.3	39
123	Hydration and Mobility in Lipid Bilayers Probed by Time-Dependent Fluorescence Shift. Springer Series on Fluorescence, 2012, , 141-159.	0.8	2
124	A Multi Time-Scale Approach of the Lipid Bilayer Dynamics. Behavior Research Methods, 2012, , 105-137.	2.3	1
125	Microscopic Origin of the Fast Blueâ€Green Luminescence of Chemically Synthesized Nonâ€oxidized Silicon Quantum Dots. Small, 2012, 8, 3185-3191.	5.2	44
126	Mass Spectrometric Characterization of Oligomers in Pseudomonas aeruginosa Azurin Solutions. Journal of Physical Chemistry B, 2011, 115, 4790-4800.	1.2	9

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127	Impact of Oxidized Lipids on Membrane Organization and Protein Misfolding. Biophysical Journal, 2011, 100, 339a.	0.2	0
128	Hydration and Mobility of Oxidized Phospholipid Bilayer: Fluorescence Solvent Relaxation and Fluorescence Correlation Spectroscopy Study. Biophysical Journal, 2011, 100, 502a.	0.2	0
129	Oxidized Phosphatidylcholines Facilitate Phospholipid Flip-Flop in Liposomes. Biophysical Journal, 2011, 101, 1376-1384.	0.2	87
130	Limitations of Electronic Energy Transfer in the Determination of Lipid Nanodomain Sizes. Biophysical Journal, 2011, 101, L60-L62.	0.2	31
131	Protonation of Lipids Impacts the Supramolecular and Biological Properties of Their Self-Assembly. Langmuir, 2011, 27, 12336-12345.	1.6	8
132	Distribution of BODIPY-labelled phosphatidylethanolamines in lipid bilayers exhibiting different curvatures. Physical Chemistry Chemical Physics, 2011, 13, 11694.	1.3	12
133	Fluorescence spectroscopy studies of HEK293 cells expressing DOR-Gi1Î± fusion protein; the effect of cholesterol depletion. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 2819-2829.	1.4	20
134	Absorption and Fluorescence of PRODAN in Phospholipid Bilayers: A Combined Quantum Mechanics and Classical Molecular Dynamics Study. Journal of Physical Chemistry A, 2011, 115, 11428-11437.	1.1	43
135	A comprehensive study in triblock copolymer membrane interaction. Journal of Controlled Release, 2011, 151, 57-64.	4.8	29
136	Raster image correlation spectroscopy as a novel tool to study interactions of macromolecules with nanofiber scaffolds. Acta Biomaterialia, 2011, 7, 4195-4203.	4.1	17
137	Formation of arenicin-1 microdomains in bilayers and their specific lipid interaction revealed by Z-scan FCS. Analytical and Bioanalytical Chemistry, 2011, 399, 3547-3554.	1.9	6
138	Monte Carlo simulation of fluorescence correlation spectroscopy data. Collection of Czechoslovak Chemical Communications, 2011, 76, 207-222.	1.0	4
139	Z-Scan Fluorescence Correlation Spectroscopy: A Powerful Tool for Determination of Lateral Diffusion in Biological Systems. Reviews in Fluorescence, 2011, , 321-344.	0.5	3
140	Solvent relaxation studies applied to stimuli-responsive core-shell nanoparticles. Proceedings of SPIE, 2010, , .	0.8	0
141	Fluorescence Spectroscopy as a Tool for Investigating the Self-Organized Polyelectrolyte Systems. Advances in Polymer Science, 2010, , 187-249.	0.4	8
142	Lipopolythiourea/DNA interaction: A biophysical study. Biophysical Chemistry, 2010, 148, 68-73.	1.5	18
143	Fluorescence Lifetime Tuningâ€"A Novel Approach to Study Flip-Flop Kinetics in Supported Phospholipid Bilayers. Journal of Fluorescence, 2010, 20, 563-569.	1.3	12
144	Real-time monitoring of melittin-induced pore and tubule formation from supported lipid bilayers and its physiological relevance. Chemistry and Physics of Lipids, 2010, 163, 200-206.	1.5	17

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145	The differential interaction of snRNPs with pre-mRNA reveals splicing kinetics in living cells. Journal of Cell Biology, 2010, 191, 75-86.	2.3	87
146	Recent Developments in Fluorescence Correlation Spectroscopy for Diffusion Measurements in Planar Lipid Membranes. International Journal of Molecular Sciences, 2010, 11, 427-457.	1.8	53
147	Interaction of Fluorescently Substituted Metallacarboranes with Cyclodextrins and Phospholipid Bilayers: Fluorescence and Light Scattering Study. Langmuir, 2010, 26, 6268-6275.	1.6	45
148	Mechanism of Interaction of Monovalent Ions with Phosphatidylcholine Lipid Membranes. Journal of Physical Chemistry B, 2010, 114, 9504-9509.	1.2	89
149	Spectral analysis of doxorubicin accumulation and the indirect quantification of its DNA intercalation. European Journal of Pharmaceutics and Biopharmaceutics, 2010, 76, 514-524.	2.0	42
150	Lipid diffusion in planar membranes investigated by fluorescence correlation spectroscopy. Biochimica Et Biophysica Acta - Biomembranes, 2010, 1798, 1377-1391.	1.4	217
151	Numerical studies of the membrane fluorescent dyes dynamics in ground and excited states. Biochimica Et Biophysica Acta - Biomembranes, 2010, 1798, 1724-1734.	1.4	42
152	Dynamic saturation optical microscopy: employing dark-state formation kinetics for resolution enhancement. Physical Chemistry Chemical Physics, 2010, 12, 12457.	1.3	15
153	Oxidation Changes Physical Properties of Phospholipid Bilayers: Fluorescence Spectroscopy and Molecular Simulations. Langmuir, 2010, 26, 6140-6144.	1.6	108
154	Singlet Oxygen Imaging in Polymeric Nanofibers by Delayed Fluorescence. Journal of Physical Chemistry B, 2010, 114, 15773-15779.	1.2	30
155	In vivo detection of RNA-binding protein interactions with cognate RNA sequences by fluorescence resonance energy transfer. Rna, 2009, 15, 2063-2071.	1.6	25
156	Photofunctional Polyurethane Nanofabrics Doped by Zinc Tetraphenylporphyrin and Zinc Phthalocyanine Photosensitizers. Journal of Fluorescence, 2009, 19, 705-713.	1.3	62
157	Effects of Alkali Cations and Halide Anions on the DOPC Lipid Membrane. Journal of Physical Chemistry A, 2009, 113, 7235-7243.	1.1	144
158	Relaxation Dynamics of Pseudomonas aeruginosa Re^I(CO)₃(Î±-diimine)(HisX)⁺ (X = 83, 107, 109, 124, 126)Cu^{II} Azurins. Journal of the American Chemical Society, 2009, 131, 11788-11800.	6.6	55
159	Nanosecond Time-Dependent Stokes Shift at the Tunnel Mouth of Haloalkane Dehalogenases. Journal of the American Chemical Society, 2009, 131, 494-501.	6.6	42
160	The effect of detergents on trimeric G-protein activity in isolated plasma membranes from rat brain cortex: Correlation with studies of DPH and Laurdan fluorescence. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 324-332.	1.4	18
161	Simultaneous Characterization of Lateral Lipid and Prothrombin Diffusion Coefficients by Z-Scan Fluorescence Correlation Spectroscopy. Biophysical Journal, 2009, 97, L1-L3.	0.2	21
162	A comparative study on ganglioside micelles using electronic energy transfer, fluorescence correlation spectroscopy and light scattering techniques. Physical Chemistry Chemical Physics, 2009, 11, 4335.	1.3	10

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163	Principles and applications of fluorescence lifetime correlation spectroscopy. Proceedings of SPIE, 2009, , .	0.8	0
164	Self-Assemblies of Cationic Porphyrins with Functionalized Water-Soluble Single-Walled Carbon Nanotubes. Journal of Nanoscience and Nanotechnology, 2009, 9, 5795-5802.	0.9	8
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