Katharina Gaus

List of Publications by Year
in descending order

236 papers	12,902 citations	22153 59 h-index	31849 101 g-index
250 all docs	250 docs citations	250 times ranked	16857 citing authors

#	Article	IF	Citations
1	Protein-PAINT: Superresolution microscopy with signaling proteins. Science Signaling, 2022, 15, eabg9782.	3.6	10
2	Direct-laser writing for subnanometer focusing and single-molecule imaging. Nature Communications, 2022, 13, 647.	12.8	15
3	The T cell receptor displays lateral signal propagation involving non-engaged receptors. Nanoscale, 2022, 14, 3513-3526.	5.6	3
4	Dephosphorylation accelerates the dissociation of ZAP70 from the T cell receptor. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	6
5	Lifetime based axial contrast enable simple 3D-STED imaging. Methods and Applications in Fluorescence, 2022, 10, 035001.	2.3	2
6	Biomolecular Binding under Confinement: Statistical Predictions of Steric Influence in Absence of Longâ€Distance Interactions. ChemPhysChem, 2022, 23, .	2.1	1
7	3D active stabilization for single-molecule imaging. Nature Protocols, 2021, 16, 497-515.	12.0	15
8	Building a Total Internal Reflection Microscope (TIRF) with Active Stabilization (Feedback SMLM). Bio-protocol, 2021, 11, e4074.	0.4	0
9	Rapid whole cell imaging reveals a calcium-APPL1-dynein nexus that regulates cohort trafficking of stimulated EGF receptors. Communications Biology, 2021, 4, 224.	4.4	6
10	Investigating Spatial Heterogeneity of Nanoparticles Movement in Live Cells with Pair-Correlation Microscopy and Phasor Analysis. Analytical Chemistry, 2021, 93, 3803-3812.	6.5	4
11	Biomechanics of T Cell Dysfunctions in Chronic Diseases. Frontiers in Immunology, 2021, 12, 600829.	4.8	11
12	FRET theoretical predictions concerning freely diffusive dyes inside spherical container: how to choose the best pair?. Photochemical and Photobiological Sciences, 2021, 20, 275-283.	2.9	1
13	The Benefits of Unnatural Amino Acid Incorporation as Protein Labels for Single Molecule Localization Microscopy. Frontiers in Chemistry, 2021, 9, 641355.	3.6	16
14	Can the Shape of Nanoparticles Enable the Targeting to Cancer Cells over Healthy Cells?. Advanced Functional Materials, 2021, 31, 2007880.	14.9	20
15	Canonical T cell receptor docking on peptideâ€"MHC is essential for T cell signaling. Science, 2021, 372, .	12.6	53
16	Monitoring the heterogeneity in single cell responses to drugs using electrochemical impedance and electrochemical noise. Chemical Science, 2021, 12, 2558-2566.	7.4	3
17	K-Neighbourhood Analysis: A Method for Understanding SMLM Images as Compositions of Local Neighbourhoods. Frontiers in Bioinformatics, 2021, 1, .	2.1	0
18	How to exploit different endocytosis pathways to allow selective delivery of anticancer drugs to cancer cells over healthy cells. Chemical Science, 2021, 12, 15407-15417.	7.4	8

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19	A 3D Bioprinter Specifically Designed for the High-Throughput Production of Matrix-Embedded Multicellular Spheroids. IScience, 2020, 23, 101621.	4.1	50
20	T Cell Membrane Heterogeneity Aids Antigen Recognition and T Cell Activation. Frontiers in Cell and Developmental Biology, 2020, 8, 609.	3.7	13
21	Clustering of the Î¶-Chain Can Initiate T Cell Receptor Signaling. International Journal of Molecular Sciences, 2020, 21, 3498.	4.1	20
22	Tuning of the Aggregation Behavior of Fluorinated Polymeric Nanoparticles for Improved Therapeutic Efficacy. ACS Nano, 2020, 14, 7425-7434.	14.6	31
23	Annexin A6 Is Critical to Maintain Glucose Homeostasis and Survival During Liver Regeneration in Mice. Hepatology, 2020, 72, 2149-2164.	7.3	20
24	Unveiling the Relationship between the Perovskite Precursor Solution and the Resulting Device Performance. Journal of the American Chemical Society, 2020, 142, 6251-6260.	13.7	103
25	Geometric regulation of histone state directs melanoma reprogramming. Communications Biology, 2020, 3, 341.	4.4	19
26	Conformational States Control Lck Switching between Free and Confined Diffusion Modes in TÂCells. Biophysical Journal, 2020, 118, 1489-1501.	0.5	8
27	Mechanobiology of antigenâ€induced TÂcell arrest. Biology of the Cell, 2020, 112, 196-212.	2.0	6
28	Ultraprecise single-molecule localization microscopy enables in situ distance measurements in intact cells. Science Advances, 2020, 6, eaay8271.	10.3	49
29	Raster adaptive optics for video rate aberration correction and large FOV multiphoton imaging. Biomedical Optics Express, 2020, 11, 1032.	2.9	9
30	Raster Adaptive Optics for Video Rate Laser Scanning Microscopy with Large Field of View Correction. , 2020, , .		0
31	Influence of FRET and fluorescent protein maturation on the quantification of binding affinity with dual-channel fluorescence cross-correlation spectroscopy. Biomedical Optics Express, 2020, 11, 6137.	2.9	2
32	Observing the Reversible Single Molecule Electrochemistry of Alexa Fluor 647 Dyes by Total Internal Reflection Fluorescence Microscopy. Angewandte Chemie - International Edition, 2019, 58, 14495-14498.	13.8	15
33	Can single molecule localization microscopy detect nanoclusters in T cells?. Current Opinion in Chemical Biology, 2019, 51, 130-137.	6.1	14
34	The impact of nanoparticle shape on cellular internalisation and transport: what do the different analysis methods tell us?. Materials Horizons, 2019, 6, 1538-1547.	12.2	97
35	High-Content Imaging of Unbiased Chemical Perturbations Reveals that the Phenotypic Plasticity of the Actin Cytoskeleton Is Constrained. Cell Systems, 2019, 9, 496-507.e5.	6.2	14
36	Galectin-3 modulation of T-cell activation: mechanisms of membrane remodelling. Progress in Lipid Research, 2019, 76, 101010.	11.6	32

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37	Observing the Reversible Single Molecule Electrochemistry of Alexa Fluor 647 Dyes by Total Internal Reflection Fluorescence Microscopy. Angewandte Chemie, 2019, 131, 14637-14640.	2.0	5
38	Nanopore blockade sensors for ultrasensitive detection of proteins in complex biological samples. Nature Communications, 2019, 10, 2109.	12.8	114
39	Stoichiometric quantification of spatially dense assemblies with qPAINT. Nanoscale, 2019, 11, 12460-12464.	5.6	13
40	Phasor histone FLIM-FRET microscopy quantifies spatiotemporal rearrangement of chromatin architecture during the DNA damage response. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 7323-7332.	7.1	54
41	Tethered Signaling in Inhibitory Immune Receptors. Frontiers in Physics, 2019, 6, .	2.1	3
42	How does T cell receptor clustering impact on signal transduction?. Journal of Cell Science, 2019, 132, .	2.0	43
43	Single-molecule detection on a portable 3D-printed microscope. Nature Communications, 2019, 10, 5662.	12.8	40
44	tagPAINT: covalent labelling of genetically encoded protein tags for DNA-PAINT imaging. Royal Society Open Science, 2019, 6, 191268.	2.4	17
45	Characterization of functionalized glass and indium tin oxide surfaces as substrates for super-resolution microscopy. Journal Physics D: Applied Physics, 2019, 52, 034003.	2.8	2
46	High contrast imaging and flexible photomanipulation for quantitative in vivo multiphoton imaging with polygon scanning microscope. Journal of Biophotonics, 2018, 11, e201700341.	2.3	7
47	A mobile endocytic network connects clathrin-independent receptor endocytosis to recycling and promotes T cell activation. Nature Communications, 2018, 9, 1597.	12.8	56
48	DNA-Based Super-Resolution Microscopy: DNA-PAINT. Genes, 2018, 9, 621.	2.4	58
49	Time-Resolved Laurdan Fluorescence Reveals Insights into Membrane Viscosity and Hydration Levels. Biophysical Journal, 2018, 115, 1498-1508.	0.5	54
50	Rod-shaped mesoporous silica nanoparticles for nanomedicine: recent progress and perspectives. Expert Opinion on Drug Delivery, 2018, 15, 881-892.	5.0	55
51	A rapid readout for many single plasmonic nanoparticles using dark-field microscopy and digital color analysis. Biosensors and Bioelectronics, 2018, 117, 530-536.	10.1	41
52	FSCS Reveals the Complexity of Lipid Domain Dynamics in the Plasma Membrane of Live Cells. Biophysical Journal, 2018, 114, 2855-2864.	0.5	12
53	Ultralow- and Low-Background Surfaces for Single-Molecule Localization Microscopy of Multistep Biointerfaces for Single-Molecule Sensing. Langmuir, 2018, 34, 10012-10018.	3.5	14
54	Telomere Loop Dynamics in Chromosome End Protection. Molecular Cell, 2018, 71, 510-525.e6.	9.7	102

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55	High F-Content Perfluoropolyether-Based Nanoparticles for Targeted Detection of Breast Cancer by ¹⁹F Magnetic Resonance and Optical Imaging. ACS Nano, 2018, 12, 9162-9176.	14.6	98
56	Monolayer surface chemistry enables 2-colour single molecule localisation microscopy of adhesive ligands and adhesion proteins. Nature Communications, 2018, 9, 3320.	12.8	13
57	A photoelectrochemical platform for the capture and release of rare single cells. Nature Communications, 2018, 9, 2288.	12.8	68
58	The ATP binding cassette transporter, ABCG1, localizes to cortical actin filaments. Scientific Reports, 2017, 7, 42025.	3.3	22
59	Colloidal silicon quantum dots: from preparation to the modification of self-assembled monolayers for bioimaging and sensing applications. , 2017, , .		3
60	Turning single-molecule localization microscopy into a quantitative bioanalytical tool. Nature Protocols, 2017, 12, 453-460.	12.0	149
61	Flexible polygonâ€mirror based laser scanning microscope platform for multiphoton inâ€vivo imaging. Journal of Biophotonics, 2017, 10, 1526-1537.	2.3	14
62	Imaging galectin-3 dependent endocytosis with lattice light-sheet microscopy. Proceedings of SPIE, 2017, , .	0.8	4
63	An intermolecular FRET sensor detects the dynamics of T cell receptor clustering. Nature Communications, 2017, 8, 15100.	12.8	53
64	A FRET sensor enables quantitative measurements of membrane charges in live cells. Nature Biotechnology, 2017, 35, 363-370.	17.5	52
65	Disruption of Serinc1, which facilitates serine-derived lipid synthesis, fails to alter macrophage function, lymphocyte proliferation or autoimmune disease susceptibility. Molecular Immunology, 2017, 82, 19-33.	2.2	17
66	Simultaneous impedance spectroscopy and fluorescence microscopy for the real-time monitoring of the response of cells to drugs. Chemical Science, 2017, 8, 1831-1840.	7.4	26
67	Real-Time Bioimpedance Sensing of Antifibrotic Drug Action in Primary Human Cells. ACS Sensors, 2017, 2, 1482-1490.	7.8	21
68	Towards single molecule biosensors using super-resolution fluorescence microscopy. Biosensors and Bioelectronics, 2017, 93, 1-8.	10.1	27
69	Mechanisms of protein nanoscale clustering. Current Opinion in Cell Biology, 2017, 44, 86-92.	5.4	45
70	Pair correlation microscopy reveals the role of nanoparticle shape in intracellular transport and site of drug release. Nature Nanotechnology, 2017, 12, 81-89.	31.5	295
71	Introducing Membrane Charge and Membrane Potential to T Cell Signaling. Frontiers in Immunology, 2017, 8, 1513.	4.8	106
72	NicoLaseâ€"An open-source diode laser combiner, fiber launch, and sequencing controller for fluorescence microscopy. PLoS ONE, 2017, 12, e0173879.	2.5	33

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73	Protease sensing using nontoxic silicon quantum dots. Journal of Biomedical Optics, 2017, 22, 1.	2.6	13
74	Can single molecule localization microscopy be used to map closely spaced RGD nanodomains?. PLoS ONE, 2017, 12, e0180871.	2.5	9
75	Label-free dynamic volumetric imaging of deforming giant unilamellar vesicles under micro-flows. , 2017, , .		0
76	New Insights into How Trafficking Regulates T Cell Receptor Signaling. Frontiers in Cell and Developmental Biology, 2016, 4, 77.	3.7	7
77	Distinct Mechanisms Regulate Lck Spatial Organization in Activated T Cells. Frontiers in Immunology, 2016, 7, 83.	4.8	24
78	Quantifying the dynamics of the oligomeric transcription factor STAT3 by pair correlation of molecular brightness. Nature Communications, 2016, 7, 11047.	12.8	28
79	High speed multiphoton imaging. Proceedings of SPIE, 2016, , .	0.8	0
80	Prolonged Intake of Dietary Lipids Alters Membrane Structure and T Cell Responses in LDLrâˆ’/âˆ’ Mice. Journal of Immunology, 2016, 196, 3993-4002.	0.8	21
81	Clus-DoC: a combined cluster detection and colocalization analysis for single-molecule localization microscopy data. Molecular Biology of the Cell, 2016, 27, 3627-3636.	2.1	99
82	New Biological Frontiers Illuminated by Molecular Sensors and Actuators. Biophysical Journal, 2016, 111, E01-E02.	0.5	1
83	The Synthesis of Ketoneâ€Derived Enamides by Elimination of HCN from Cyanoamides. European Journal of Organic Chemistry, 2016, 2016, 4176-4188.	2.4	8
84	The <scp>aPKC</scp>/Par3/Par6 Polarity Complex and Membrane Order Are Functionally Interdependent in Epithelia During Vertebrate Organogenesis. Traffic, 2016, 17, 66-79.	2.7	6
85	Functional role of T-cell receptor nanoclusters in signal initiation and antigen discrimination. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E5454-63.	7.1	194
86	Biologists Wanted: New Fluorescence Fluctuation Tools for Cell Biology. Biophysical Journal, 2016, 111, 677-678.	0.5	0
87	Effect of surface chemistry on tropomyosin binding to actin filaments on surfaces. Cytoskeleton, 2016, 73, 729-738.	2.0	8
88	Singleâ€Molecule Sensors: Challenges and Opportunities for Quantitative Analysis. Angewandte Chemie - International Edition, 2016, 55, 11354-11366.	13.8	233
89	Distinct surveillance pathway for immunopathology during acute infection via autophagy and SR-BI. Scientific Reports, 2016, 6, 34440.	3.3	15
90	Measuring membrane association and protein diffusion within membranes with supercritical angle fluorescence microscopy. Biomedical Optics Express, 2016, 7, 1561.	2.9	13

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91	Annexin A6 regulates interleukinâ€2â€mediated Tâ€cell proliferation. Immunology and Cell Biology, 2016, 94, 543-553.	2.3	26
92	Binding of transcription factor GabR to DNA requires recognition of DNA shape at a location distinct from its cognate binding site. Nucleic Acids Research, 2016, 44, 1411-1420.	14.5	35
93	EinzelmolekÃ¼lâ€Sensoren: Herausforderungen und MÃ¶glichkeiten fÃ¼r die quantitative Analyse. Angewandte Chemie, 2016, 128, 11526-11539.	2.0	8
94	Activation of Endothelial Nitric Oxide (eNOS) Occurs through Different Membrane Domains in Endothelial Cells. PLoS ONE, 2016, 11, e0151556.	2.5	25
95	Dextran-Catechin: An anticancer chemically-modified natural compound targeting copper that attenuates neuroblastoma growth. Oncotarget, 2016, 7, 47479-47493.	1.8	40
96	Enhancing Quantum Dots for Bioimaging using Advanced Surface Chemistry and Advanced Optical Microscopy: Application to Silicon Quantum Dots (SiQDs). Advanced Materials, 2015, 27, 6144-6150.	21.0	57
97	Nanodomains in biological membranes. Essays in Biochemistry, 2015, 57, 93-107.	4.7	18
98	Self-Calibrated Line-Scan STED-FCS to Quantify Lipid Dynamics in Model and Cell Membranes. Biophysical Journal, 2015, 108, 596-609.	0.5	39
99	An RPTPÎ±/Src family kinase/Rap1 signaling module recruits myosin IIB to support contractile tension at apical E-cadherin junctions. Molecular Biology of the Cell, 2015, 26, 1249-1262.	2.1	39
100	Discreet and distinct clustering of five model membrane proteins revealed by single molecule localization microscopy. Molecular Membrane Biology, 2015, 32, 11-18.	2.0	8
101	The myelin proteolipid plasmolipin forms oligomers and induces liquid-ordered membranes in the Golgi complex. Journal of Cell Science, 2015, 128, 2293-2302.	2.0	21
102	Tracking molecular dynamics without tracking: image correlation of photo-activation microscopy. Methods and Applications in Fluorescence, 2015, 3, 014006.	2.3	11
103	Cryo-electron microscopy and single molecule fluorescent microscopy detect CD4 receptor induced HIV size expansion prior to cell entry. Virology, 2015, 486, 121-133.	2.4	13
104	Ultrasensitive and Specific Measurement of Protease Activity Using Functionalized Photonic Crystals. Analytical Chemistry, 2015, 87, 9946-9953.	6.5	35
105	Do mechanical forces contribute to nanoscale membrane organisation in T cells?. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 822-829.	4.1	10
106	Evidence for annexin <scp>A</scp>6â€dependent plasma membrane remodelling of lipid domains. British Journal of Pharmacology, 2015, 172, 1677-1690.	5.4	38
107	3D Super-Resolution Imaging by Localization Microscopy. Methods in Molecular Biology, 2015, 1232, 123-136.	0.9	4
108	Pharmacological Inhibition of Dynamin II Reduces Constitutive Protein Secretion from Primary Human Macrophages. PLoS ONE, 2014, 9, e111186.	2.5	11

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109	Dynamic control of Î²1 integrin adhesion by the plexinD1-sema3E axis. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 379-384.	7.1	69
110	Tropomyosin isoforms support actomyosin biogenesis to generate contractile tension at the epithelial zonula adherens. Cytoskeleton, 2014, 71, 663-676.	2.0	25
111	Endocytic Crosstalk: Cavins, Caveolins, and Caveolae Regulate Clathrin-Independent Endocytosis. PLoS Biology, 2014, 12, e1001832.	5.6	128
112	Fluorescence spectral correlation spectroscopy (FSCS) for probes with highly overlapping emission spectra. Optics Express, 2014, 22, 2973.	3.4	22
113	Insights into Adhesion Biology Using Singleâ€Molecule Localization Microscopy. ChemPhysChem, 2014, 15, 606-618.	2.1	9
114	Versatile â€œClick Chemistryâ€•Approach to Functionalizing Silicon Quantum Dots: Applications toward Fluorescent Cellular Imaging. Langmuir, 2014, 30, 5209-5216.	3.5	54
115	Galectin-3 drives glycosphingolipid-dependent biogenesis of clathrin-independent carriers. Nature Cell Biology, 2014, 16, 592-603.	10.3	248
116	Molecularly Engineered Surfaces for Cell Biology: From Static to Dynamic Surfaces. Langmuir, 2014, 30, 3290-3302.	3.5	33
117	Microscopy approaches to investigate protein dynamics and lipid organization. Molecular Membrane Biology, 2014, 31, 141-151.	2.0	7
118	Efficient synthesis of fused bicyclic ethers and their application in herbicide chemistry. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 4643-4649.	2.2	16
119	Method for co-cluster analysis in multichannel single-molecule localisation data. Histochemistry and Cell Biology, 2014, 141, 605-612.	1.7	71
120	Antibody Modified Porous Silicon Microparticles for the Selective Capture of Cells. Bioconjugate Chemistry, 2014, 25, 1282-1289.	3.6	24
121	Biointerfaces on Indiumâ€“Tin Oxide Prepared from Organophosphonic Acid Self-Assembled Monolayers. Langmuir, 2014, 30, 8509-8515.	3.5	18
122	The organisation of the cell membrane: do proteins rule lipids?. Current Opinion in Chemical Biology, 2014, 20, 54-59.	6.1	40
123	Fluctuation-based imaging of nuclear Rac1 activation by protein oligomerisation. Scientific Reports, 2014, 4, 4219.	3.3	23
124	Conformational states of the kinase Lck regulate clustering in early T cell signaling. Nature Immunology, 2013, 14, 82-89.	14.5	206
125	Quantitative Analysis of Three-Dimensional Fluorescence Localization Microscopy Data. Biophysical Journal, 2013, 105, L05-L07.	0.5	31
126	Super-Resolution Imaging by Localization Microscopy. Methods in Molecular Biology, 2013, 950, 81-93.	0.9	13

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127	CD317/Tetherin is an organiser of membrane microdomains. Journal of Cell Science, 2013, 126, 1553-64.	2.0	40
128	VAMP7 controls T cell activation by regulating the recruitment and phosphorylation of vesicular Lat at TCR-activation sites. Nature Immunology, 2013, 14, 723-731.	14.5	118
129	Super-resolution microscopy of the immunological synapse. Current Opinion in Immunology, 2013, 25, 307-312.	5.5	43
130	Imaging lipid domains in cell membranes: the advent of super-resolution fluorescence microscopy. Frontiers in Plant Science, 2013, 4, 503.	3.6	61
131	Do signalling endosomes play a role in <scp>T</scp>Âcell activation?. FEBS Journal, 2013, 280, 5164-5176.	4.7	13
132	Creating Adhesive and Soluble Gradients for Imaging Cell Migration with Fluorescence Microscopy. Journal of Visualized Experiments, 2013, , .	0.3	5
133	Single-molecule analysis reveals self assembly and nanoscale segregation of two distinct cavin subcomplexes on caveolae. ELife, 2013, 3, e01434.	6.0	114
134	Characterization of a New Series of Fluorescent Probes for Imaging Membrane Order. PLoS ONE, 2013, 8, e52960.	2.5	65
135	The integration of signaling and the spatial organization of the T cell synapse. Frontiers in Immunology, 2012, 3, 352.	4.8	23
136	Fluorescence localization microscopy. Communicative and Integrative Biology, 2012, 5, 345-349.	1.4	7
137	How does the kinase Lck phosphorylate the T cell receptor? Spatial organization as a regulatory mechanism. Frontiers in Immunology, 2012, 3, 167.	4.8	65
138	Sub-resolution lipid domains exist in the plasma membrane and regulate protein diffusion and distribution. Nature Communications, 2012, 3, 1256.	12.8	223
139	Biofunctionalization of free-standing porous silicon films for self-assembly of photonic devices. Soft Matter, 2012, 8, 360-366.	2.7	23
140	HIV-1 Nef mobilizes lipid rafts in macrophages through a pathway that competes with ABCA1-dependent cholesterol efflux. Journal of Lipid Research, 2012, 53, 696-708.	4.2	69
141	HIV taken by STORM: Super-resolution fluorescence microscopy of a viral infection. Virology Journal, 2012, 9, 84.	3.4	45
142	Electrochemical â€œSwitchingâ€•of Si(100) Modular Assemblies. Journal of the American Chemical Society, 2012, 134, 844-847.	13.7	47
143	Quantitative imaging of membrane lipid order in cells and organisms. Nature Protocols, 2012, 7, 24-35.	12.0	364
144	Optical Techniques for Imaging Membrane Domains in Live Cells (Live-Cell Palm of Protein Clustering). Methods in Enzymology, 2012, 504, 221-235.	1.0	25

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145	The MARVEL transmembrane motif of occludin mediates oligomerization and targeting to the basolateral surface in epithelia. Journal of Cell Science, 2012, 125, 3545-3556.	2.0	37
146	Using an Electrical Potential to Reversibly Switch Surfaces between Two States for Dynamically Controlling Cell Adhesion. Angewandte Chemie - International Edition, 2012, 51, 7706-7710.	13.8	117
147	The lipid raft hypothesis revisited â€“ New insights on raft composition and function from superâ€resolution fluorescence microscopy. BioEssays, 2012, 34, 739-747.	2.5	150
148	Cyclic RGD peptides interfere with binding of the Helicobacter pylori protein CagL to integrins Î±VÎ²3 and Î±5Î²1. Amino Acids, 2012, 43, 219-232.	2.7	54
149	The Actin Cytoskeleton and Membrane Organisation in T Lymphocytes. , 2012, , 103-121.		0
150	Spacing of Integrin Ligands Influences Signal Transduction in Endothelial Cells. Biophysical Journal, 2011, 101, 764-773.	0.5	60
151	The structure and luminescence properties of europium(iii) triflate doped self-assembled pyromellitamide gels. New Journal of Chemistry, 2011, 35, 1466.	2.8	16
152	Mesoporous silicon photonic crystal microparticles: towards single-cell optical biosensors. Faraday Discussions, 2011, 149, 301-317.	3.2	52
153	Different Functionalization of the Internal and External Surfaces in Mesoporous Materials for Biosensing Applications Using â€œClickâ€•Chemistry. Langmuir, 2011, 27, 328-334.	3.5	54
154	Pre-existing clusters of the adaptor Lat do not participate in early T cell signaling events. Nature Immunology, 2011, 12, 655-662.	14.5	302
155	The Relative Importance of Topography and RGD Ligand Density for Endothelial Cell Adhesion. PLoS ONE, 2011, 6, e21869.	2.5	90
156	Caveolin-1-Mediated Apolipoprotein A-I Membrane Binding Sites Are Not Required for Cholesterol Efflux. PLoS ONE, 2011, 6, e23353.	2.5	13
157	Phagocytosis of IgGâ€Coated Polystyrene Beads by Macrophages Induces and Requires High Membrane Order. Traffic, 2011, 12, 1730-1743.	2.7	35
158	Annexin A6 is an organizer of membrane microdomains to regulate receptor localization and signalling. IUBMB Life, 2011, 63, 1009-1017.	3.4	58
159	The Reorientation of T-Cell Polarity and Inhibition of Immunological Synapse Formation by CD46 Involves Its Recruitment to Lipid Rafts. Journal of Lipids, 2011, 2011, 1-10.	4.8	16
160	Optimized timeâ€gated generalized polarization imaging of Laurdan and diâ€4â€ANEPPDHQ for membrane order image contrast enhancement. Microscopy Research and Technique, 2010, 73, 618-622.	2.2	23
161	PALM imaging and cluster analysis of protein heterogeneity at the cell surface. Journal of Biophotonics, 2010, 3, 446-454.	2.3	248
162	VCD studies on cyclic peptides assembled from <scp>L</scp>â€Î±â€amino acids and a transâ€2â€aminocyclopentaneâ€•or transâ€2â€aminocyclohexane carboxylic acid. Journal of Peptide Science, 2010, 16, 613-620.	1.4	10

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163	The platelet glycoprotein Ibâ€IXâ€V complex anchors lipid rafts to the membrane skeleton: implications for activationâ€dependent cytoskeletal translocation of signaling molecules. Journal of Thrombosis and Haemostasis, 2010, 8, 163-172.	3.8	29
164	Dynamic organization of lymphocyte plasma membrane: lessons from advanced imaging methods. Immunology, 2010, 131, 1-8.	4.4	20
165	How Do Cells Make Decisions: Engineering Micro- and Nanoenvironments for Cell Migration. Journal of Oncology, 2010, 2010, 1-7.	1.3	13
166	Î±- and Î²-Crystallins Modulate the Head Group Order of Human Lens Membranes during Aging. , 2010, 51, 5162.		22
167	Imaging Membrane Lipid Order in Whole, Living Vertebrate Organisms. Biophysical Journal, 2010, 99, L7-L9.	0.5	39
168	Substrate Independent Assembly of Optical Structures Guided by Biomolecular Interactions. ACS Applied Materials & Interfaces, 2010, 2, 3270-3275.	8.0	7
169	Actin Dynamics Drive Membrane Reorganization and Scission in Clathrin-Independent Endocytosis. Cell, 2010, 140, 540-553.	28.9	226
170	Expression and stability of two isoforms of ABCG1 in human vascular cells. Atherosclerosis, 2010, 208, 75-82.	0.8	29
171	Cyclosporin A Decreases Apolipoprotein E Secretion from Human Macrophages via a Protein Phosphatase 2B-dependent and ATP-binding Cassette Transporter A1 (ABCA1)-independent Pathway. Journal of Biological Chemistry, 2009, 284, 24144-24154.	3.4	23
172	Synthesis of chemically modified bioactive peptides: recent advances, challenges and developments for medicinal chemistry. Future Medicinal Chemistry, 2009, 1, 1289-1310.	2.3	64
173	Clustering and Lateral Concentration of Raft Lipids by the MAL Protein. Molecular Biology of the Cell, 2009, 20, 3751-3762.	2.1	55
174	Caveolin-1-dependent and -independent membrane domains. Journal of Lipid Research, 2009, 50, 1609-1620.	4.2	24
175	Singleâ€Molecule Experiments to Elucidate the Minimal Requirement for DNA Recognition by Transcription Factor Epitopes. Small, 2009, 5, 484-495.	10.0	16
176	Accumulation of raft lipids in T-cell plasma membrane domains engaged in TCR signalling. EMBO Journal, 2009, 28, 466-476.	7.8	252
177	Quantitative Microscopy: Protein Dynamics and Membrane Organisation. Traffic, 2009, 10, 962-971.	2.7	132
178	Smart Tissue Culture: in Situ Monitoring of the Activity of Protease Enzymes Secreted from Live Cells Using Nanostructured Photonic Crystals. Nano Letters, 2009, 9, 2021-2025.	9.1	91
179	Electrochemical Behavior of Gold Colloidal Alkyl Modified Silicon Surfaces. ACS Applied Materials & Interfaces, 2009, 1, 2477-2483.	8.0	33
180	Silicon-based mesoporous photonic crystals: towards single cell optical biosensors. Proceedings of SPIE, 2009, , .	0.8	2

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181	Triton X-100 promotes a cholesterol-dependent condensation of the plasma membrane. Biochemical Journal, 2009, 420, 373-381.	3.7	24
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