Thorsten Wohland

List of Publications by Year
in descending order

152 papers	6,078 citations	61984 43 h-index	95266 68 g-index
174 all docs	174 docs citations	174 times ranked	6295 citing authors

#	Article	IF	Citations
1	Heptanol-mediated phase separation determines phase preference of molecules in live cell membranes. Journal of Lipid Research, 2022, 63, 100220.	4.2	3
2	Microscope alignment using real-time Imaging FCS. Biophysical Journal, 2022, 121, 2663-2670.	0.5	6
3	Cytoskeleton-dependent clustering of membrane-bound prion protein on the cell surface. Journal of Biological Chemistry, 2021, 296, 100359.	3.4	4
4	Dengue virus strain 2 capsid protein switches the annealing pathway and reduces intrinsic dynamics of the conserved 5â€™ untranslated region. RNA Biology, 2021, 18, 718-731.	3.1	5
5	Simultaneous spatiotemporal super-resolution and multi-parametric fluorescence microscopy. Nature Communications, 2021, 12, 1748.	12.8	37
6	Dengue virus 2 capsid protein chaperones the strand displacement of 5â€²-3â€² cyclization sequences. Nucleic Acids Research, 2021, 49, 5832-5844.	14.5	2
7	Wnt3 Is Lipidated at Conserved Cysteine and Serine Residues in Zebrafish Neural Tissue. Frontiers in Cell and Developmental Biology, 2021, 9, 671218.	3.7	8
8	Fluorescence Correlation Spectroscopy Reveals Survival Motor Neuron Oligomerization but No Active Transport in Motor Axons of a Zebrafish Model for Spinal Muscular Atrophy. Frontiers in Cell and Developmental Biology, 2021, 9, 639904.	3.7	4
9	A gel-like condensation of Cidec generates lipid-permeable plates for lipid droplet fusion. Developmental Cell, 2021, 56, 2592-2606.e7.	7.0	18
10	Long acyl chain ceramides govern cholesterol and cytoskeleton dependence of membrane outer leaflet dynamics. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183153.	2.6	17
11	Sex Steroids Induce Membrane Stress Responses and Virulence Properties in Pseudomonas aeruginosa. MBio, 2020, 11, .	4.1	10
12	Splitting the Difference: Sorting Photons to Improve Quantitative Measurements in Correlation Spectroscopy. Biophysical Journal, 2020, 119, 1268-1269.	0.5	0
13	Illuminating the Path to Target GPCR Structures and Functions. Biochemistry, 2020, 59, 3783-3795.	2.5	3
14	To Hop or not to Hop: Exceptions in the FCS Diffusion Law. Biophysical Journal, 2020, 118, 2434-2447.	0.5	12
15	Fluorescence strategies for mapping cell membrane dynamics and structures. APL Bioengineering, 2020, 4, 020901.	6.2	24
16	Plasma membrane asymmetry of lipid organization: fluorescence lifetime microscopy and correlation spectroscopy analysis. Journal of Lipid Research, 2020, 61, 252-266.	4.2	29
17	Wnt3 distribution in the zebrafish brain is determined by expression, diffusion and multiple molecular interactions. ELife, 2020, 9, .	6.0	10
18	Single microcolony diffusion analysis in Pseudomonas aeruginosa biofilms. Npj Biofilms and Microbiomes, 2019, 5, 35.	6.4	34

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19	HEXIM1 Diffusion in the Nucleus Is Regulated by Its Interactions with Both 7SK and P-TEFb. Biophysical Journal, 2019, 117, 1615-1625.	0.5	7
20	A high-affinity fluorescence probe for copper(II) ions and its application in fluorescence lifetime correlation spectroscopy. Analytical and Bioanalytical Chemistry, 2019, 411, 3229-3240.	3.7	10
21	Aurora-A Breaks Symmetry in Contractile Actomyosin Networks Independently of Its Role in Centrosome Maturation. Developmental Cell, 2019, 48, 631-645.e6.	7.0	44
22	The disordered plant dehydrin Lti30 protects the membrane during water-related stress by cross-linking lipids. Journal of Biological Chemistry, 2019, 294, 6468-6482.	3.4	30
23	More Favorable Palmitic Acid Over Palmitoleic Acid Modification of Wnt3 Ensures Its Localization and Activity in Plasma Membrane Domains. Frontiers in Cell and Developmental Biology, 2019, 7, 281.	3.7	10
24	Single-molecule studies of flavivirus envelope dynamics: Experiment and computation. Progress in Biophysics and Molecular Biology, 2019, 143, 38-51.	2.9	9
25	Fluorescence correlation spectroscopy: The technique and its applications in soft matter. Physical Sciences Reviews, 2019, 4, .	0.8	8
26	Infectivity of Dengue Virus Serotypes 1 and 2 Is Correlated with E-Protein Intrinsic Dynamics but Not to Envelope Conformations. Structure, 2019, 27, 618-630.e4.	3.3	23
27	Quantification of membrane receptor complexes with single-molecule localization microscopy. , 2019, , .		0
28	Dynamic changes in Sox2 spatio-temporal expression promote the second cell fate decision through Fgf4/Fgfr2 signaling in preimplantation mouse embryos. Biochemical Journal, 2018, 475, 1075-1089.	3.7	22
29	SPT and Imaging FCS Provide Complementary Information on the Dynamics of Plasma Membrane Molecules. Biophysical Journal, 2018, 114, 2432-2443.	0.5	29
30	Quantitative imaging and spectroscopic technologies for microbiology. FEMS Microbiology Letters, 2018, 365, .	1.8	15
31	The imaging FCS diffusion law in the presence of multiple diffusive modes. Methods, 2018, 140-141, 140-150.	3.8	33
32	Fluorescence Correlation and Cross-Correlation Spectroscopy in Zebrafish. Methods in Molecular Biology, 2018, 1863, 67-105.	0.9	3
33	Evidence from ITIR-FCS Diffusion Studies that the Amyloid-Beta (AÎ²) Peptide Does Not Perturb Plasma Membrane Fluidity in Neuronal Cells. Journal of Molecular Biology, 2018, 430, 3439-3453.	4.2	5
34	Anosmin1 Shuttles Fgf to Facilitate Its Diffusion, Increase Its Local Concentration, and Induce Sensory Organs. Developmental Cell, 2018, 46, 751-766.e12.	7.0	26
35	Fluorescence techniques in developmental biology. Journal of Biosciences, 2018, 43, 541-553.	1.1	20
36	CENP-C/H/I/K/M/T/W/N/L and hMis12 but not CENP-S/X participate in complex formation in the nucleoplasm of living human interphase cells outside centromeres. PLoS ONE, 2018, 13, e0192572.	2.5	9

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37	A Funneled Conformational Landscape Governs Flavivirus Fusion Peptide Interaction with Lipid Membranes. Journal of Chemical Theory and Computation, 2018, 14, 3920-3932.	5.3	9
38	Fluorescence techniques in developmental biology. Journal of Biosciences, 2018, 43, 541-553.	1.1	6
39	Conformational changes in intact dengue virus reveal serotype-specific expansion. Nature Communications, 2017, 8, 14339.	12.8	66
40	The uniqueness of subunit Î± of mycobacterial F-ATP synthases: An evolutionary variant for niche adaptation. Journal of Biological Chemistry, 2017, 292, 11262-11279.	3.4	33
41	Binding of canonical Wnt ligands to their receptor complexes occurs in ordered plasma membrane environments. FEBS Journal, 2017, 284, 2513-2526.	4.7	45
42	Measurement of oxygen concentrations in bacterial biofilms using transient state monitoring by single plane illumination microscopy. Biomedical Physics and Engineering Express, 2017, 3, 035020.	1.2	17
43	Plasma membrane organization and dynamics is probe and cell line dependent. Biochimica Et Biophysica Acta - Biomembranes, 2017, 1859, 1483-1492.	2.6	30
44	Probing the internal micromechanical properties of Pseudomonas aeruginosa biofilms by Brillouin imaging. Npj Biofilms and Microbiomes, 2017, 3, 20.	6.4	29
45	Interaction of a synthetic antimicrobial peptide with a model bilayer platform mimicking bacterial membranes. Biointerphases, 2017, 12, 04E404.	1.6	11
46	Investigating the Dynamics and Organization of Membrane Proteins and Lipids by Imaging Fluorescence Correlation Spectroscopy. Springer Series in Biophysics, 2017, , 113-145.	0.4	3
47	On the Equivalence of FCS and FRAP: Simultaneous Lipid Membrane Measurements. Biophysical Journal, 2016, 111, 152-161.	0.5	57
48	The Secreted Signaling Protein Wnt3 Is Associated with Membrane Domains InÂVivo: A SPIM-FCS Study. Biophysical Journal, 2016, 111, 418-429.	0.5	52
49	Spatiotemporal mapping of diffusion dynamics and organization in plasma membranes. Methods and Applications in Fluorescence, 2016, 4, 034003.	2.3	26
50	The Epidermal Growth Factor Receptor Forms Location-Dependent Complexes in Resting Cells. Biophysical Journal, 2016, 111, 2241-2254.	0.5	25
51	Puromycin Analogues Capable of Multiplexed Imaging and Profiling of Protein Synthesis and Dynamics in Live Cells and Neurons. Angewandte Chemie - International Edition, 2016, 55, 4933-4937.	13.8	33
52	Puromycin Analogues Capable of Multiplexed Imaging and Profiling of Protein Synthesis and Dynamics in Live Cells and Neurons. Angewandte Chemie, 2016, 128, 5017-5021.	2.0	4
53	Extracellular interactions and ligand degradation shape the nodal morphogen gradient. ELife, 2016, 5, .	6.0	50
54	Selective influence of Sox2 on <scp>POU</scp> transcription factor binding in embryonic and neural stem cells. EMBO Reports, 2015, 16, 1177-1191.	4.5	52

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55	Rational Structureâ€Based Design of Bright GFPâ€Based Complexes with Tunable Dimerization. Angewandte Chemie - International Edition, 2015, 54, 13952-13956.	13.8	18
56	Macromolecular crowding gives rise to microviscosity, anomalous diffusion and accelerated actin polymerization. Physical Biology, 2015, 12, 034001.	1.8	53
57	Plasma Membrane Organization of Epidermal Growth Factor Receptor in Resting and Ligand-Bound States. Biophysical Journal, 2015, 109, 1925-1936.	0.5	72
58	Single molecule data under scrutiny. Physics of Life Reviews, 2015, 13, 138-140.	2.8	1
59	Bayesian Model Selection Applied to the Analysis of Fluorescence Correlation Spectroscopy Data of Fluorescent Proteins in Vitro and in Vivo. Analytical Chemistry, 2015, 87, 4326-4333.	6.5	24
60	Modulating expression level of secreted Wnt3 influences cerebellum development in zebrafish transgenics. Development (Cambridge), 2015, 142, 3721-33.	2.5	17
61	Imaging fluorescence (cross-) correlation spectroscopy in live cells and organisms. Nature Protocols, 2015, 10, 1948-1974.	12.0	164
62	Characterization of Lipid and Cell Membrane Organization by the Fluorescence Correlation Spectroscopy Diffusion Law. Chimia, 2015, 69, 112-119.	0.6	26
63	Dual-Color Fluorescence Cross-Correlation Spectroscopy on a Single Plane Illumination Microscope (SPIM-FCCS). Optics Express, 2014, 22, 2358.	3.4	54
64	Applications of imaging fluorescence correlation spectroscopy. Current Opinion in Chemical Biology, 2014, 20, 29-35.	6.1	36
65	Recent applications of fluorescence correlation spectroscopy in live systems. FEBS Letters, 2014, 588, 3571-3584.	2.8	111
66	Bayesian Total Internal Reflection Fluorescence Correlation Spectroscopy Reveals hIAPP-Induced Plasma Membrane Domain Organization in Live Cells. Biophysical Journal, 2014, 106, 190-200.	0.5	30
67	Imaging Fluorescence Fluctuation Spectroscopy: New Tools for Quantitative Bioimaging. Annual Review of Physical Chemistry, 2014, 65, 225-248.	10.8	53
68	Novel Use for Polyvinylpyrrolidone as a Macromolecular Crowder for Enhanced Extracellular Matrix Deposition and Cell Proliferation. Tissue Engineering - Part C: Methods, 2014, 20, 994-1002.	2.1	63
69	Temperature dependence of diffusion in model and live cell membranes characterized by imaging fluorescence correlation spectroscopy. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 802-813.	2.6	83
70	Mitochondrial Routing of Glucose and Sucrose Polymers after Pinocytotic Uptake: Avenues for Drug Delivery. Biomacromolecules, 2014, 15, 2119-2127.	5.4	3
71	Scan and Conquer: A Novel Approach to the Analysis of Interactions by Molecular Brightness Determination. Biophysical Journal, 2014, 107, 1-2.	0.5	2
72	Fluorescence Cross-Correlation Spectroscopy (FCCS) in Living Cells. Methods in Molecular Biology, 2014, 1076, 557-573.	0.9	12

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73	Temperature dependence of diffusion in model and live cell membranes characterized by imaging fluorescence correlation spectroscopy. Biochimica Et Biophysica Acta, 2014, 1838, 802-13.	1.3	32
74	Membrane destabilization by monomeric hIAPP observed by imaging fluorescence correlation spectroscopy. Chemical Communications, 2013, 49, 9155.	4.1	35
75	Accuracy and Precision in Camera-Based Fluorescence Correlation Spectroscopy Measurements. Analytical Chemistry, 2013, 85, 3948-3954.	6.5	67
76	The performance of 2D array detectors for light sheet based fluorescence correlation spectroscopy. Optics Express, 2013, 21, 8652.	3.4	66
77	Phosphatidylserine dynamics in cellular membranes. Molecular Biology of the Cell, 2012, 23, 2198-2212.	2.1	166
78	Fluorescence Correlation Methods for Imaging Cellular Behavior of Sphingolipid-Interacting Probes. Methods in Cell Biology, 2012, 108, 395-427.	1.1	8
79	Factors Affecting the Quantification of Biomolecular Interactions byÂFluorescence Cross-Correlation Spectroscopy. Biophysical Journal, 2012, 102, 1174-1183.	0.5	100
80	DNA-dependent Oct4â€“Sox2 interaction and diffusion properties characteristic of the pluripotent cell state revealed by fluorescence spectroscopy. Biochemical Journal, 2012, 448, 21-33.	3.7	41
81	Bayesian Approach to the Analysis of Fluorescence Correlation Spectroscopy Data II: Application to Simulated and In Vitro Data. Analytical Chemistry, 2012, 84, 3880-3888.	6.5	48
82	A new technology for revealing the flow profile in integrated labâ€onâ€aâ€chip. Medical Physics, 2012, 39, 5060-5064.	3.0	2
83	Calibration and Limits of Cameraâ€Based Fluorescence Correlation Spectroscopy: A Supported Lipid Bilayer Study. ChemPhysChem, 2012, 13, 2784-2794.	2.1	65
84	Analysis of properties of single molecules in vivo or â€¦ why small fish is better than empty dish. Russian Journal of Developmental Biology, 2012, 43, 67-76.	0.5	3
85	Weak Glycolipid Binding of a Microdomain-Tracer Peptide Correlates with Aggregation and Slow Diffusion on Cell Membranes. PLoS ONE, 2012, 7, e51222.	2.5	7
86	Fluorescence Correlation and Cross-Correlation Spectroscopy Using Fluorescent Proteins for Measurements of Biomolecular Processes in Living Organisms. Springer Series on Fluorescence, 2011, , 213-248.	0.8	6
87	The structural parameters for antimicrobial activity, human epithelial cell cytotoxicity and killing mechanism of synthetic monomer and dimer analogues derived from hBD3 C-terminal region. Amino Acids, 2011, 40, 123-133.	2.7	33
88	Investigations of the unsteady diffusion process in microchannels. Chemical Engineering Science, 2011, 66, 1962-1972.	3.8	28
89	EGFR activation monitored by SW-FCCS in live cells. Frontiers in Bioscience - Elite, 2011, E3, 22-32.	1.8	14
90	Correlation of Charge, Hydrophobicity, and Structure with Antimicrobial Activity of S1 and MIRIAM Peptides. Biochemistry, 2010, 49, 9161-9170.	2.5	29

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91	Surfaceâ€Bound Microenclosures for Biomolecules. Angewandte Chemie - International Edition, 2010, 49, 9773-9776.	13.8	5
92	One step at a time. Virulence, 2010, 1, 42-44.	4.4	14
93	A Bioelectronic Platform Using a Grapheneâ˜Lipid Bilayer Interface. ACS Nano, 2010, 4, 7387-7394.	14.6	132
94	Applications of Fluorescence Correlation Spectroscopy in Living Zebrafish Embryos. , 2010, , 69-103.		3
95	Single Plane Illumination Fluorescence Correlation Spectroscopy (SPIM-FCS) probes inhomogeneous three-dimensional environments. Optics Express, 2010, 18, 10627.	3.4	133
96	ImFCS: A software for Imaging FCS data analysis and visualization. Optics Express, 2010, 18, 25468.	3.4	65
97	Developing in vivo biophysics by fishing for single molecules. Developmental Biology, 2010, 347, 1-8.	2.0	7
98	Fluorescence Correlation Spectroscopy. , 2010, , 6-1-6-34.		3
99	Long-term responses of canine lungs to acidic particles. Inhalation Toxicology, 2009, 21, 920-932.	1.6	4
100	Alternate raft pathways cooperate to mediate slow diffusion and efficient uptake of a sphingolipid tracer to degradative and recycling compartments. Journal of Cell Science, 2009, 122, 3715-3728.	2.0	14
101	Determination of in Vivo Dissociation Constant, K, of Cdc42-Effector Complexes in Live Mammalian Cells Using Single Wavelength Fluorescence Cross-correlation Spectroscopy. Journal of Biological Chemistry, 2009, 284, 13602-13609.	3.4	54
102	Determination of in vivo dissociation constant, K, of Cdc42-effector complexes in live mammalian cells using single wavelength fluorescence cross-correlation spectroscopy.. Journal of Biological Chemistry, 2009, 284, 21100.	3.4	3
103	A Preformed Signaling Complex Mediates GnRH-Activated ERK Phosphorylation of Paxillin and FAK at Focal Adhesions in Lî²T2 Gonadotrope Cells. Molecular Endocrinology, 2009, 23, 1850-1864.	3.7	29
104	Line scan fluorescence correlation spectroscopy for three-dimensional microfluidic flow velocity measurements. Journal of Biomedical Optics, 2009, 14, 024049.	2.6	18
105	Supported Lipid Bilayer on Nanocrystalline Diamond: Dual Optical and Fieldâ€Effect Sensor for Membrane Disruption. Advanced Functional Materials, 2009, 19, 109-116.	14.9	32
106	Probing events with single molecule sensitivity in zebrafish and Drosophila embryos by fluorescence correlation spectroscopy. Developmental Dynamics, 2009, 238, 3156-3167.	1.8	42
107	Single molecule resolution of the antimicrobial action of quantum dot-labeled sushi peptide on live bacteria. BMC Biology, 2009, 7, 22.	3.8	33
108	Assessment of the Multiphase Interaction between a Membrane Disrupting Peptide and a Lipid Membrane. Journal of Physical Chemistry B, 2009, 113, 14369-14380.	2.6	17

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109	Interaction of an artificial antimicrobial peptide with lipid membranes. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 333-344.	2.6	59
110	Study of interaction of hypericin and its pharmaceutical preparation by fluorescence techniques. Journal of Biomedical Optics, 2009, 14, 014003.	2.6	9
111	Determination of Dissociation Constants in Living Zebrafish Embryos with Single Wavelength Fluorescence Cross-Correlation Spectroscopy. Biophysical Journal, 2009, 97, 678-686.	0.5	89
112	Diffusion, Transport, and Cell Membrane Organization Investigated by Imaging Fluorescence Cross-Correlation Spectroscopy. Biophysical Journal, 2009, 97, 2630-2639.	0.5	81
113	Synthetic sandwich culture of 3D hepatocyte monolayer. Biomaterials, 2008, 29, 290-301.	11.4	74
114	Requirement of vasculogenesis and blood circulation in late stages of liver growth in zebrafish. BMC Developmental Biology, 2008, 8, 84.	2.1	140
115	Molecular Diffusion Measurement in Lipid Bilayers over Wide Concentration Ranges: A Comparative Study. ChemPhysChem, 2008, 9, 721-728.	2.1	145
116	The F-techniques: advances in receptor protein studies. Trends in Endocrinology and Metabolism, 2008, 19, 181-190.	7.1	31
117	Colloidal Crystals from Surface-Tension-Assisted Self-Assembly: A Novel Matrix for Single-Molecule Experiments. Langmuir, 2008, 24, 12142-12149.	3.5	10
118	A fluorescent sphingolipid binding domain peptide probe interacts with sphingolipids and cholesterol-dependent raft domains. Journal of Lipid Research, 2008, 49, 1077-1089.	4.2	51
119	Fabrication of integrated channel waveguides in polydimethylsiloxane (PDMS) using proton beam writing (PBW): applications for fluorescence detection in microfluidic channels. Proceedings of SPIE, 2008, , .	0.8	6
120	Investigation of the Mechanisms of Antimicrobial Peptides Interacting with Membranes by Fluorescence Correlation Spectroscopy. The Open Chemical Physics Journal, 2008, 1, 62-79.	0.7	14
121	Identification and Characterization of a Novel Prespheroid 3-Dimensional Hepatocyte Monolayer on Galactosylated Substratum. Tissue Engineering, 2007, 13, 1455-1468.	4.6	34
122	Multifunctional fluorescence correlation microscope for intracellular and microfluidic measurements. Review of Scientific Instruments, 2007, 78, 053711.	1.3	28
123	Effects of N-Methyl Pyrrolidone on the Uptake of Hypericin in Human Bladder Carcinoma and Co-staining with DAPI Investigated by Confocal Microscopy. Technology in Cancer Research and Treatment, 2007, 6, 383-394.	1.9	14
124	Enamel diffusion modulated by Er:YAG laser. Journal of Dentistry, 2007, 35, 787-793.	4.1	22
125	Enamel diffusion modulated by Er:YAG laser. Journal of Dentistry, 2007, 35, 794-799.	4.1	15
126	Characterization of flow direction in microchannels and zebrafish blood vessels by scanning fluorescence correlation spectroscopy. Journal of Biomedical Optics, 2007, 12, 014034.	2.6	47

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127	Spatially Resolved Total Internal Reflection Fluorescence Correlation Microscopy Using an Electron Multiplying Charge-Coupled Device Camera. Analytical Chemistry, 2007, 79, 4463-4470.	6.5	94
128	Investigation of the Dimerization of Proteins from the Epidermal Growth Factor Receptor Family by Single Wavelength Fluorescence Cross-Correlation Spectroscopy. Biophysical Journal, 2007, 93, 684-698.	0.5	160
129	Recent Advances in Fluorescence Cross-correlation Spectroscopy. Cell Biochemistry and Biophysics, 2007, 49, 1-13.	1.8	54
130	Fabrication of nanofluidic devices utilizing proton beam writing and thermal bonding techniques. Nuclear Instruments & Methods in Physics Research B, 2007, 260, 450-454.	1.4	20
131	Simultaneous Multicolor Fluorescence Cross-Correlation Spectroscopy to Detect Higher Order Molecular Interactions Using Single Wavelength Laser Excitation. Biophysical Journal, 2006, 91, 715-727.	0.5	46
132	Electron Multiplying Charge-Coupled Device Camera Based Fluorescence Correlation Spectroscopy. Analytical Chemistry, 2006, 78, 3444-3451.	6.5	83
133	Molecular Mechanisms that Govern the Specificity of Sushi Peptides for Gram-Negative Bacterial Membrane Lipids. Biochemistry, 2006, 45, 10554-10562.	2.5	20
134	Prism-based multicolor fluorescence correlation spectrometer. Optics Letters, 2006, 31, 1310.	3.3	17
135	Determination of critical micelle concentrations and aggregation numbers by fluorescence correlation spectroscopy: Aggregation of a lipopolysaccharide. Analytica Chimica Acta, 2006, 556, 216-225.	5.4	119
136	CHARACTERIZATION OF POLY(ACRYLIC ACID) DIFFUSION DYNAMICS ON THE GRAFTED SURFACE OF POLY(ETHYLENE TEREPHTHALATE) FILMS BY FLUORESCENCE CORRELATION SPECTROSCOPY. Biophysical Reviews and Letters, 2006, 01, 433-441.	0.8	8
137	The molecular mechanism of interaction between sushi peptide and Pseudomonas endotoxin. Cellular and Molecular Immunology, 2006, 3, 21-8.	10.5	22
138	Single wavelength excitation fluorescence cross-correlation spectroscopy with spectrally similar fluorophores: Resolution for binding studies. Journal of Chemical Physics, 2005, 122, 114708.	3.0	29
139	Investigation of a novel artificial antimicrobial peptide by fluorescence correlation spectroscopy: An amphipathic cationic pattern is sufficient for selective binding to bacterial type membranes and antimicrobial activity. Biochimica Et Biophysica Acta - Biomembranes, 2005, 1716, 29-39.	2.6	18
140	Perturbation of Lipopolysaccharide (LPS) Micelles by Sushi 3 (S3) Antimicrobial Peptide. Journal of Biological Chemistry, 2004, 279, 50150-50156.	3.4	71
141	Dual-Color Fluorescence Cross-Correlation Spectroscopy Using Single Laser Wavelength Excitation. ChemPhysChem, 2004, 5, 549-551.	2.1	55
142	Factors influencing fluorescence correlation spectroscopy measurements on membranes: simulations and experiments. Chemical Physics, 2003, 288, 171-186.	1.9	57
143	Monitoring Expression and Clustering of the Ionotropic 5HT3Receptor in Plasma Membranes of Live Biological Cellsâ€. Biochemistry, 2003, 42, 877-884.	2.5	53
144	Irradiation of Dye-Doped Microspheres with a Strongly Focused Laser Beam Results in Alignment upon Optical Trapping. Nano Letters, 2002, 2, 207-210.	9.1	3

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145	Analysis of Biomolecular Interactions Using a Miniaturized Surface Plasmon Resonance Sensor. Analytical Chemistry, 2002, 74, 4570-4576.	6.5	54
146	Functional Immobilization of a Ligand-Activated G-Protein-Coupled Receptor. ChemBioChem, 2002, 3, 993-998.	2.6	60
147	The Standard Deviation in Fluorescence Correlation Spectroscopy. Biophysical Journal, 2001, 80, 2987-2999.	0.5	261
148	Mapping the Antagonist Binding Site of the Serotonin Type 3 Receptor by Fluorescence Resonance Energy Transferâ€. Biochemistry, 2001, 40, 12237-12242.	2.5	15
149	The Characterization of a Transmembrane Receptor Protein by Fluorescence Correlation Spectroscopy. Springer Series in Chemical Physics, 2001, , 195-210.	0.2	7
150	Fluorescence techniques: shedding light on ligandâ€“receptor interactions. Trends in Pharmacological Sciences, 2000, 21, 266-273.	8.7	96
151	Resolution of Fluorescence Correlation Measurements. Biophysical Journal, 1999, 76, 1619-1631.	0.5	338
152	Study of Ligandâ^'Receptor Interactions by Fluorescence Correlation Spectroscopy with Different Fluorophores:â€‰ Evidence That the Homopentameric 5-Hydroxytryptamine Type 3As Receptor Binds Only One Ligand. Biochemistry, 1999, 38, 8671-8681.	2.5	141