

# Horst Vogel

## List of Publications by Year in descending order

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159  
papers

13,188  
citations

23500

58  
h-index

24179

110  
g-index

162  
all docs

162  
docs citations

162  
times ranked

13874  
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of metal ions in G protein-coupled receptor signalling and drug discovery. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2022, 12, e1565.	6.2	11
2	International Union of Basic and Clinical Pharmacology. CX. Classification of Receptors for 5-hydroxytryptamine; Pharmacology and Function. Pharmacological Reviews, 2021, 73, 310-520.	7.1	127
3	Enhancing the Signaling of GPCRs via Orthosteric Ions. ACS Central Science, 2020, 6, 274-282.	5.3	24
4	Advancing Drug Discovery via Artificial Intelligence. Trends in Pharmacological Sciences, 2019, 40, 592-604.	4.0	316
5	Computational modeling of the olfactory receptor Olfr73 suggests a molecular basis for low potency of olfactory receptor-activating compounds. Communications Biology, 2019, 2, 141.	2.0	25
6	New Binding Sites, New Opportunities for GPCR Drug Discovery. Trends in Biochemical Sciences, 2019, 44, 312-330.	3.7	104
7	Exploring a new ligand binding site of G protein-coupled receptors. Chemical Science, 2018, 9, 6480-6489.	3.7	37
8	Single-Vesicle Assays Using Liposomes and Cell-Derived Vesicles: From Modeling Complex Membrane Processes to Synthetic Biology and Biomedical Applications. Chemical Reviews, 2018, 118, 8598-8654.	23.0	112
9	Expression, Biochemistry, and Stabilization with Camel Antibodies of Membrane Proteins: Case Study of the Mouse 5-HT <sub>3</sub> Receptor. Methods in Molecular Biology, 2017, 1635, 139-168.	0.4	5
10	Two-dimensional crystallization of the mouse serotonin 5-HT <sub>3A</sub> receptor. Micron, 2017, 92, 19-24.	1.1	1
11	NK Cells Respond to Haptens by the Activation of Calcium Permeable Plasma Membrane Channels. PLoS ONE, 2016, 11, e0151031.	1.1	6
12	Mechanistic Studies on the Stereoselectivity of the Serotonin 5-HT <sub>1A</sub> Receptor. Angewandte Chemie - International Edition, 2016, 55, 8661-8665.	7.2	27
13	Mechanistic Studies on the Stereoselectivity of the Serotonin 5-HT <sub>1A</sub> Receptor. Angewandte Chemie, 2016, 128, 8803-8807.	1.6	2
14	PyMOL and Inkscape Bridge the Data and the Data Visualization. Structure, 2016, 24, 2041-2042.	1.6	155
15	A Gating Mechanism of the Serotonin 5-HT <sub>3</sub> Receptor. Structure, 2016, 24, 816-825.	1.6	43
16	The Molecular Mechanism of P2Y <sub>1</sub> Receptor Activation. Angewandte Chemie, 2016, 128, 10487-10491.	1.6	2
17	The Molecular Mechanism of P2Y <sub>1</sub> Receptor Activation. Angewandte Chemie - International Edition, 2016, 55, 10331-10335.	7.2	49
18	The Structure of the Mouse Serotonin 5-HT <sub>3</sub> Receptor in Lipid Vesicles. Structure, 2016, 24, 165-170.	1.6	36

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19	W246 <sup>6.48</sup> Opens a Gate for a Continuous Intrinsic Water Pathway during Activation of the Adenosine <sub>2A</sub> Receptor. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 556-559.	7.2	64
20	The Mechanism of Ligand-Induced Activation or Inhibition of $\mu$ - and $\kappa$ -Opioid Receptors. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7560-7563.	7.2	47
21	Microfluidics: Microfluidic Single-Cell Analysis with Affinity Beads ( <i>Small</i> 22/2015). <i>Small</i> , 2015, 11, 2606-2606.	5.2	0
22	Single Molecule Imaging Deciphers the Relation between Mobility and Signaling of a Prototypical G Protein-coupled Receptor in Living Cells. <i>Journal of Biological Chemistry</i> , 2015, 290, 27723-27735.	1.6	32
23	Microfluidic Single-Cell Analysis with Affinity Beads. <i>Small</i> , 2015, 11, 2607-2613.	5.2	9
24	Spontaneous Cdc42 Polarization Independent of GDI-Mediated Extraction and Actin-Based Trafficking. <i>PLoS Biology</i> , 2015, 13, e1002097.	2.6	107
25	Molecular screening of cancer-derived exosomes by surface plasmon resonance spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 5425-5432.	1.9	106
26	Molecular and Dimensional Profiling of Highly Purified Extracellular Vesicles by Fluorescence Fluctuation Spectroscopy. <i>Analytical Chemistry</i> , 2014, 86, 7229-7233.	3.2	41
27	X-ray structure of the mouse serotonin 5-HT <sub>3</sub> receptor. <i>Nature</i> , 2014, 512, 276-281.	13.7	358
28	Activation of G-protein-coupled receptors correlates with the formation of a continuous internal water pathway. <i>Nature Communications</i> , 2014, 5, 4733.	5.8	197
29	Electrostatic Spray Ionization Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2014, 86, 2033-2041.	3.2	17
30	Single-Molecule Microscopy Deciphers the Relation between Trafficking and Signaling of the NK1 Receptor in Living Cells. <i>Biophysical Journal</i> , 2014, 106, 101a.	0.2	0
31	Seamless Integration of Dose-Response Screening and Flow Chemistry: Efficient Generation of Structure-Activity Relationship Data of $\beta$ -Secretase (BACE1) Inhibitors. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1704-1708.	7.2	45
32	The Role of Water and Sodium Ions in the Activation of the $\mu$ -Opioid Receptor. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10112-10115.	7.2	104
33	Monitoring proliferative activities of hormone-like odorants in human breast cancer cells by gene transcription profiling and electrical impedance spectroscopy. <i>Biosensors and Bioelectronics</i> , 2013, 50, 431-436.	5.3	9
34	Thermal Unfolding of a Mammalian Pentameric Ligand-gated Ion Channel Proceeds at Consecutive, Distinct Steps*. <i>Journal of Biological Chemistry</i> , 2013, 288, 5756-5769.	1.6	18
35	Downscaling the Analysis of Complex Transmembrane Signaling Cascades to Closed Attoliter Volumes. <i>PLoS ONE</i> , 2013, 8, e70929.	1.1	12
36	Insertion of T4-lysozyme (T4L) can be a useful tool for studying olfactory-related GPCRs. <i>Molecular BioSystems</i> , 2012, 8, 1750.	2.9	11

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37	A Zeptoliter Volume Meter for Analysis of Single Protein Molecules. <i>Nano Letters</i> , 2012, 12, 370-375.	4.5	27
38	Semisynthesis of Fluorescent Metabolite Sensors on Cell Surfaces. <i>Journal of the American Chemical Society</i> , 2011, 133, 16235-16242.	6.6	66
39	Activation of G-Protein-Coupled Receptors in Cell-Derived Plasma Membranes Supported on Porous Beads. <i>Journal of the American Chemical Society</i> , 2011, 133, 16868-16874.	6.6	6
40	Individual particle handling in a microfluidic system based on parallel laser trapping. <i>Optics Letters</i> , 2011, 36, 3182.	1.7	1
41	Microfluidic array cytometer based on refractive optical tweezers for parallel trapping, imaging and sorting of individual cells. <i>Lab on A Chip</i> , 2011, 11, 2432.	3.1	70
42	Protein-Binding Microarray Analysis of Tumor Suppressor AP2 Target Gene Specificity. <i>PLoS ONE</i> , 2011, 6, e22895.	1.1	5
43	Overcoming barriers to membrane protein structure determination. <i>Nature Biotechnology</i> , 2011, 29, 335-340.	9.4	325
44	Deamidation and Transamidation of Substance P by Tissue Transglutaminase Revealed by Electron Capture Dissociation Fourier Transform Mass Spectrometry. <i>Chemistry - A European Journal</i> , 2011, 17, 486-497.	1.7	13
45	Inside Cover: Deamidation and Transamidation of Substance P by Tissue Transglutaminase Revealed by Electron Capture Dissociation Fourier Transform Mass Spectrometry ( <i>Chem. Eur. J.</i> 2/2011). <i>Chemistry - A European Journal</i> , 2011, 17, 398-398.	1.7	0
46	Correlated Optical and Electrical Single-Molecule Measurements Reveal Conformational Diffusion from Ligand Binding to Channel Gating in the Nicotinic Acetylcholine Receptor. <i>ChemBioChem</i> , 2011, 12, 2431-2434.	1.3	23
47	Tissue Transglutaminase-mediated Glutamine Deamidation of $\beta$ -Amyloid Peptide Increases Peptide Solubility, Whereas Enzymatic Cross-linking and Peptide Fragmentation May Serve as Molecular Triggers for Rapid Peptide Aggregation. <i>Journal of Biological Chemistry</i> , 2011, 286, 12172-12188.	1.6	32
48	Acetylcholine Receptor Organization in Membrane Domains in Muscle Cells. <i>Journal of Biological Chemistry</i> , 2011, 286, 363-369.	1.6	11
49	Membrane nanotubes drawn by optical tweezers transmit electrical signals between mammalian cells over long distances. <i>Lab on A Chip</i> , 2010, 10, 2235.	3.1	22
50	Large-scale production and study of a synthetic G protein-coupled receptor: Human olfactory receptor 17-4. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 11925-11930.	3.3	92
51	Sensory Attributes of Complex Tasting Divalent Salts Are Mediated by TRPM5 and TRPV1 Channels. <i>Journal of Neuroscience</i> , 2009, 29, 2654-2662.	1.7	45
52	Dual Activities of Odorants on Olfactory and Nuclear Hormone Receptors. <i>Journal of Biological Chemistry</i> , 2009, 284, 30547-30555.	1.6	21
53	A Cytotoxic Ruthenium Tris(Bipyridyl) Complex that Accumulates at Plasma Membranes. <i>ChemBioChem</i> , 2009, 10, 1796-1800.	1.3	82
54	An Integrated Self-Assembled Nanofluidic System for Controlled Biological Chemistries. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5544-5549.	7.2	144

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55	The capsaicin receptor participates in artificial sweetener aversion. <i>Biochemical and Biophysical Research Communications</i> , 2008, 376, 653-657.	1.0	30
56	Increased Mobility of Major Histocompatibility Complex I-Peptide Complexes Decreases the Sensitivity of Antigen Recognition. <i>Journal of Biological Chemistry</i> , 2008, 283, 24254-24263.	1.6	21
57	A FRET map of membrane anchors suggests distinct microdomains of heterotrimeric G proteins. <i>Journal of Cell Science</i> , 2007, 120, 2953-2962.	1.2	47
58	Refractive multiple optical tweezers for parallel biochemical analysis in micro-fluidics. , 2007, , .		4
59	Distribution Plasticity of the Human Estrogen Receptor $\hat{\pm}$ in Live Cells: Distinct Imaging of Consecutively Expressed Receptors. <i>Journal of Molecular Biology</i> , 2007, 374, 1213-1223.	2.0	12
60	Fluorescent Epibatidine Agonists for Neuronal and Muscle-Type Nicotinic Acetylcholine Receptors. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 3505-3508.	7.2	29
61	Repetitive Reversible Labeling of Proteins at Polyhistidine Sequences for Single-Molecule Imaging in Live Cells. <i>ChemPhysChem</i> , 2007, 8, 1221-1227.	1.0	41
62	Micropositioning and microscopic observation of individual picoliter-sized containers within SU-8 microchannels. <i>Microfluidics and Nanofluidics</i> , 2007, 3, 189-194.	1.0	17
63	Cell Membranes Suspended Across Nanoaperture Arrays. <i>Langmuir</i> , 2006, 22, 22-25.	1.6	59
64	Fabrication and Functionalization of Nanochannels by Electron-Beam-Induced Silicon Oxide Deposition. <i>Langmuir</i> , 2006, 22, 10711-10715.	1.6	89
65	Covalent labeling of cell-surface proteins for in-vivo FRET studies. <i>FEBS Letters</i> , 2006, 580, 1654-1658.	1.3	29
66	Monitoring the Diffusion of Single Heterotrimeric G Proteins in Supported Cell-membrane Sheets Reveals their Partitioning into Microdomains. <i>Journal of Molecular Biology</i> , 2006, 363, 918-930.	2.0	46
67	Micro- and Nanostructured Devices for the Investigation of Biomolecular Interactions. <i>Chimia</i> , 2006, 60, 754-760.	0.3	8
68	Characterization of an extended receptive ligand repertoire of the human olfactory receptor OR17-40 comprising structurally related compounds. <i>Journal of Neurochemistry</i> , 2006, 97, 537-544.	2.1	77
69	Engineered Site-Directed Labeling of Nicotinic Acetylcholine Receptors Using Reactive Epibatidine Derivatives: Appraisal of Epibatidine-Docking Models in Neuronal and Muscular Receptors. <i>Journal of Molecular Neuroscience</i> , 2006, 30, 35-36.	1.1	0
70	Functional asymmetry of transmembrane segments in nicotinic acetylcholine receptors. <i>European Biophysics Journal</i> , 2006, 35, 685-693.	1.2	12
71	Post-translational Covalent Labeling Reveals Heterogeneous Mobility of Individual G Protein-Coupled Receptors in Living Cells. <i>ChemBioChem</i> , 2006, 7, 908-911.	1.3	23
72	Multifunctional Lipid/Quantum Dot Hybrid Nanocontainers for Controlled Targeting of Live Cells. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5478-5483.	7.2	208

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73	Organization of Nanoparticles on Hard Substrates Using Block Copolymer Films as Templates. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 1611-1619.	0.9	10
74	FRET imaging reveals that functional neurokinin-1 receptors are monomeric and reside in membrane microdomains of live cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 2138-2143.	3.3	218
75	Kinetics of the Initial Steps of G Protein-Coupled Receptor-Mediated Cellular Signaling Revealed by Single-Molecule Imaging. <i>ChemPhysChem</i> , 2005, 6, 1633-1640.	1.0	35
76	Synthesis of Nanoscopic Optical Fibers Using Lipid Membranes as Templates. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4957-4960.	7.2	6
77	Cover Picture: Synthesis of Nanoscopic Optical Fibers Using Lipid Membranes as Templates ( <i>Angew.</i> ) Tj ETQq1 1 0.784314 rgBT /Ove	7.2	8
78	Ligand Binding Transmits Conformational Changes across the Membrane-Spanning Region to the Intracellular Side of the 5-HT <sub>3</sub> Serotonin Receptor. <i>ChemBioChem</i> , 2005, 6, 2180-2185.	1.3	21
79	Reversible Sequential-Binding Probe Receptor-Ligand Interactions in Single Cells. <i>ChemBioChem</i> , 2005, 6, 2187-2194.	1.3	14
80	Investigating the Function of Ion Channels in Tethered Lipid Membranes by Impedance Spectroscopy. <i>MRS Bulletin</i> , 2005, 30, 207-210.	1.7	24
81	CD8+ Cytotoxic T Lymphocyte Activation by Soluble Major Histocompatibility Complex-Peptide Dimers. <i>Journal of Biological Chemistry</i> , 2005, 280, 23820-23828.	1.6	49
82	Pumping of mammalian cells with a nozzle-diffuser micropump. <i>Lab on A Chip</i> , 2005, 5, 1083.	3.1	33
83	Investigating Cellular Signaling Reactions in Single Attoliter Vesicles. <i>Journal of the American Chemical Society</i> , 2005, 127, 2908-2912.	6.6	129
84	CD8 Kinetically Promotes Ligand Binding to the T-Cell Antigen Receptor. <i>Biophysical Journal</i> , 2005, 89, 2121-2133.	0.2	56
85	Impedance Spectroscopy of Ion Channels in Tethered Lipid Bilayers. <i>E-Journal of Surface Science and Nanotechnology</i> , 2005, 3, 203-206.	0.1	3
86	Labeling of fusion proteins with synthetic fluorophores in live cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 9955-9959.	3.3	411
87	Downregulation of eRF1 by RNA interference increases mis-acylated tRNA suppression efficiency in human cells. <i>Protein Engineering, Design and Selection</i> , 2004, 17, 821-827.	1.0	6
88	Noninvasive Imaging of 5-HT <sub>3</sub> Receptor Trafficking in Live Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 53346-53352.	1.6	52
89	Reversible site-selective labeling of membrane proteins in live cells. <i>Nature Biotechnology</i> , 2004, 22, 440-444.	9.4	284
90	Organization of nanoscale objects via polymer demixing. <i>Colloid and Polymer Science</i> , 2004, 282, 1274-1278.	1.0	22

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91	Controlled Immobilization of Membrane Proteins to Surfaces for Fourier Transform Infrared Investigations. <i>Langmuir</i> , 2004, 20, 7901-7903.	1.6	22
92	Specific Labeling of Cell Surface Proteins with Chemically Diverse Compounds. <i>Journal of the American Chemical Society</i> , 2004, 126, 8896-8897.	6.6	312
93	Nanocapsules With Functionalized Surfaces and Walls. <i>IEEE Transactions on Nanobioscience</i> , 2004, 3, 3-5.	2.2	6
94	Integrated Nanoreactor Systems: Triggering the Release and Mixing of Compounds Inside Single Vesicles. <i>Journal of the American Chemical Society</i> , 2004, 126, 8594-8595.	6.6	163
95	Highly Fluorescent Streptavidin-Coated CdSe Nanoparticles: Preparation in Water, Characterization, and Micropatterning. <i>Langmuir</i> , 2004, 20, 3828-3831.	1.6	87
96	Reversible Immobilization of Peptides: Surface Modification and In Situ Detection by Attenuated Total Reflection FTIR Spectroscopy. <i>ChemPhysChem</i> , 2003, 4, 268-275.	1.0	51
97	Self-Assembled Microarrays of Attoliter Molecular Vessels. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 5580-5583.	7.2	198
98	Cover Picture: Self-Assembled Microarrays of Attoliter Molecular Vessels ( <i>Angew. Chem. Int. Ed.</i> )	7.2	198
99	A general method for the covalent labeling of fusion proteins with small molecules in vivo. <i>Nature Biotechnology</i> , 2003, 21, 86-89.	9.4	1,699
100	Directed Evolution of O <sup>6</sup> -Alkylguanine-DNA Alkyltransferase for Efficient Labeling of Fusion Proteins with Small Molecules In Vivo. <i>Chemistry and Biology</i> , 2003, 10, 313-317.	6.2	279
101	Ligand Binding to G Protein-Coupled Receptors in Tethered Cell Membranes. <i>Langmuir</i> , 2003, 19, 10925-10929.	1.6	41
102	Orientation Modulation of a Synthetic Polypeptide in Self-Assembled Monolayers: A TOF-SIMS Study. <i>Journal of the American Chemical Society</i> , 2003, 125, 8911-8915.	6.6	38
103	Highly Electrically Insulating Tethered Lipid Bilayers for Probing the Function of Ion Channel Proteins. <i>Langmuir</i> , 2003, 19, 5567-5569.	1.6	132
104	Characterization of the Ligand-binding Site of the Serotonin 5-HT <sub>3</sub> Receptor. <i>Journal of Biological Chemistry</i> , 2003, 278, 22709-22716.	1.6	35
105	Oligomerization of the $\alpha$ 1a- and $\alpha$ 1b-Adrenergic Receptor Subtypes. <i>Journal of Biological Chemistry</i> , 2003, 278, 40239-40251.	1.6	147
106	Covalent Labeling of Fusion Proteins with Chemical Probes in Living Cells. <i>Chimia</i> , 2003, 57, 181-183.	0.3	1
107	Monitoring mis-acylated tRNA suppression efficiency in mammalian cells via EGFP fluorescence recovery. <i>Nucleic Acids Research</i> , 2002, 30, 128e-128.	6.5	20
108	Stable self-assembly of a protein engineering scaffold on gold surfaces. <i>Protein Science</i> , 2002, 11, 1917-1925.	3.1	70

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109	Immunoaffinity screening with capillary electrochromatography. <i>Electrophoresis</i> , 2002, 23, 1255-1262.	1.3	7
110	Self-assembly of the hydrophobin SC3 proceeds via two structural intermediates. <i>Protein Science</i> , 2002, 11, 1199-1205.	3.1	85
111	The Standard Deviation in Fluorescence Correlation Spectroscopy. <i>Biophysical Journal</i> , 2001, 80, 2987-2999.	0.2	261
112	In Vitro and In Vivo Ligand Binding to the 5HT3 Serotonin Receptor Characterised by Time-Resolved Fluorescence Spectroscopy. <i>ChemBioChem</i> , 2001, 2, 205-211.	1.3	7
113	Immunosensing by a Synthetic Ligand-Gated Ion Channel Financial support from the board of the Swiss Federal Institutes of Technology (SPP Minast, 7.06) is acknowledged. We thank G. Corradin for numerous discussions and J. Lakey for critical reading of the manuscript.. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 1740-1743.	7.2	12
114	[32] Intrinsic biophysical monitors of transducin activation: Fluorescence, UV-visible spectroscopy, light scattering, and evanescent field techniques. <i>Methods in Enzymology</i> , 2000, 315, 471-489.	0.4	43
115	A Chip-Based Biosensor for the Functional Analysis of Single Ion Channels. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 3137-3140.	7.2	218
116	Functional immobilisation of the nicotinic acetylcholine receptor in tethered lipid membranes. <i>Biophysical Chemistry</i> , 2000, 85, 141-152.	1.5	35
117	Title is missing!. <i>Journal of Fluorescence</i> , 2000, 10, 325-332.	1.3	6
118	Fluorescence techniques: shedding light on ligand-receptor interactions. <i>Trends in Pharmacological Sciences</i> , 2000, 21, 266-273.	4.0	96
119	Histidine-Tagged Amphiphiles for the Reversible Formation of Lipid Bilayer Aggregates on Chelator-Functionalized Gold Surfaces. <i>Langmuir</i> , 2000, 16, 5471-5478.	1.6	61
120	Immobilization of histidine-tagged proteins on gold surfaces using chelator thioalkanes. <i>Biosensors and Bioelectronics</i> , 1999, 14, 155-161.	5.3	109
121	Micropatterned immobilization of a G protein-coupled receptor and direct detection of G protein activation. <i>Nature Biotechnology</i> , 1999, 17, 1105-1108.	9.4	276
122	Ion-Channel Gating in Transmembrane Receptor Proteins: Functional Activity in Tethered Lipid Membranes. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 389-392.	7.2	117
123	Functional Molecular Thin Films: Topological Templates for the Chemoselective Ligation of Antigenic Peptides to Self-Assembled Monolayers. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 696-699.	7.2	42
124	Ligand Binding to Nicotinic Acetylcholine Receptor Investigated by Surface Plasmon Resonance. <i>Analytical Chemistry</i> , 1999, 71, 3157-3165.	3.2	30
125	Design of Oligonucleotide Arrays at Interfaces. <i>Langmuir</i> , 1999, 15, 4317-4320.	1.6	94
126	Resolution of Fluorescence Correlation Measurements. <i>Biophysical Journal</i> , 1999, 76, 1619-1631.	0.2	338



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127	Polarization-Modulated FTIR Spectroscopy of Lipid/Gramicidin Monolayers at the Air/Water Interface. <i>Biophysical Journal</i> , 1999, 76, 1639-1647.	0.2	67
128	Title is missing!. <i>Photosynthesis Research</i> , 1998, 55, 363-368.	1.6	7
129	Emerging techniques for investigating molecular interactions at lipid membranes. <i>BBA - Biomembranes</i> , 1998, 1376, 319-338.	7.9	121
130	Functionalisation of gold surfaces via topological templates. <i>Tetrahedron</i> , 1998, 54, 3725-3734.	1.0	16
131	Determination of the Surface Concentration of Crown Ethers in Supported Lipid Membranes by Capacitance Measurements. <i>Langmuir</i> , 1998, 14, 2573-2576.	1.6	5
132	Screening Ligands for Membrane Protein Receptors by Total Internal Reflection Fluorescence: The 5-HT <sub>3</sub> Serotonin Receptor. <i>Analytical Chemistry</i> , 1998, 70, 1331-1338.	3.2	67
133	Are the light-harvesting I complexes from <i>Rhodospirillum rubrum</i> arranged around the reaction centre in a square geometry? 1 Edited by R. Huber. <i>Journal of Molecular Biology</i> , 1998, 282, 819-831.	2.0	53
134	Characterization of a Mouse Serotonin 5-HT <sub>3</sub> Receptor Purified from Mammalian Cells. <i>Journal of Neurochemistry</i> , 1998, 70, 824-834.	2.1	46
135	Direct Observation of Self-Assembled Monolayers, Ion Complexation, and Protein Conformation at the Gold/Water Interface: An FTIR Spectroscopic Approach. <i>Langmuir</i> , 1997, 13, 4190-4192.	1.6	48
136	Uniformly Flat Gold Surfaces: Imaging the Domain Structure of Organic Monolayers Using Scanning Force Microscopy. <i>Langmuir</i> , 1997, 13, 2425-2428.	1.6	91
137	Reversible Oriented Surface Immobilization of Functional Proteins on Oxide Surfaces. <i>Analytical Chemistry</i> , 1997, 69, 1979-1985.	3.2	143
138	Antibody Binding to a Functionalized Supported Lipid Layer: A Direct Acoustic Immunosensor. <i>Analytical Chemistry</i> , 1997, 69, 4808-4813.	3.2	95
139	Incorporation and Antibody Recognition of a Lipid-Anchored Membrane Protein in Supported Lipid Layers. <i>Journal of Colloid and Interface Science</i> , 1997, 194, 53-58.	5.0	20
140	Formation and Characterization of Lipopeptide Layers at Interfaces for the Molecular Recognition of Antibodies. <i>Langmuir</i> , 1996, 12, 5636-5642.	1.6	31
141	Sulphur-bearing lipids for the covalent attachment of supported lipid bilayers to gold surfaces: a detailed characterisation and analysis. <i>Materials Science and Engineering C</i> , 1996, 4, 7-18.	3.8	28
142	Detection of supported lipid layers with the acoustic Love waveguide device: application to biosensors. <i>Sensors and Actuators B: Chemical</i> , 1996, 34, 295-300.	4.0	46
143	Probing the Structure and Function of the Tachykinin Neurokinin-2 Receptor through Biosynthetic Incorporation of Fluorescent Amino Acids at Specific Sites. <i>Journal of Biological Chemistry</i> , 1996, 271, 19991-19998.	1.6	124
144	Antigen Binding Properties of Purified Immunoglobulin A and Reconstituted Secretory Immunoglobulin A Antibodies. <i>Journal of Biological Chemistry</i> , 1996, 271, 16300-16309.	1.6	66

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145	Covalent attachment of functionalized lipid bilayers to planar waveguides for measuring protein binding to biomimetic membranes. <i>Protein Science</i> , 1995, 4, 2532-2544.	3.1	99
146	Reversible oriented immobilization of histidine-tagged proteins on gold surfaces using a chelator thioalkane. <i>Supramolecular Science</i> , 1995, 2, 155-160.	0.7	35
147	Template-assembled melittin: Structural and functional characterization of a designed, synthetic channel-forming protein. <i>Protein Science</i> , 1994, 3, 1788-1805.	3.1	67
148	Micrometer-Scale Lateral Structuring of Organic Thiolate Layers through Self-Organization. <i>Angewandte Chemie International Edition in English</i> , 1994, 33, 1274-1276.	4.4	37
149	A new class of thiolipids for the attachment of lipid bilayers on gold surfaces. <i>Langmuir</i> , 1994, 10, 197-210.	1.6	323
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151	Protein binding to supported lipid membranes: investigation of the cholera toxin-ganglioside interaction by simultaneous impedance spectroscopy and surface plasmon resonance. <i>Langmuir</i> , 1993, 9, 1361-1369.	1.6	240
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