Claudia Steinem

List of Publications by Year
in descending order

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190	8,268	46918	54797
papers	citations	47 h-index	84 g-index

209	209	209	8110
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	TAT-RHIM: a more complex issue than expected. Biochemical Journal, 2022, , .	1.7	1
2	Forces, Kinetics, and Fusion Efficiency Altered by the Full-Length Synaptotagmin-1 -PI(4,5)P₂ Interaction in Constrained Geometries. Nano Letters, 2022, 22, 1449-1455.	4.5	7
3	Lipidomics of Thalassiosira pseudonana as a function of valve SDV synthesis. Journal of Applied Phycology, 2022, 34, 1471-1481.	1.5	3
4	The role of the transmembrane domain of silicanin-1: Reconstitution of the full-length protein in artificial membranes. Biochimica Et Biophysica Acta - Biomembranes, 2022, 1864, 183921.	1.4	1
5	The Interaction of Gb₃ Glycosphingolipids with l_d and l_o Phase Lipids in Lipid Monolayers Is a Function of Their Fatty Acids. Langmuir, 2022, 38, 5874-5882.	1.6	3
6	ENTH domain-dependent membrane remodelling. Soft Matter, 2021, 17, 233-240.	1.2	12
7	Cooperativity of membrane-protein and proteinâ€“protein interactions control membrane remodeling by epsin 1 and affects clathrin-mediated endocytosis. Cellular and Molecular Life Sciences, 2021, 78, 2355-2370.	2.4	7
8	Chemically synthesized Gb3 glycosphingolipids: tools to access their function in lipid membranes. European Biophysics Journal, 2021, 50, 109-126.	1.2	8
9	Heterogeneous Idealization of Ion Channel Recordings â€“ Open Channel Noise. IEEE Transactions on Nanobioscience, 2021, 20, 57-78.	2.2	4
10	Structure, gating and interactions of the voltage-dependent anion channel. European Biophysics Journal, 2021, 50, 159-172.	1.2	28
11	Membrane fusion mediated by peptidic SNARE protein analogues: Evaluation of FRETâ€based bulk leaflet mixing assays. Journal of Peptide Science, 2021, 27, e3327.	0.8	1
12	Pore-Spanning Plasma Membranes Derived from Giant Plasma Membrane Vesicles. ACS Applied Materials & Interfaces, 2021, 13, 25805-25812.	4.0	8
13	Insights into the molecular mechanism of amyloid filament formation: Segmental folding of Î±-synuclein on lipid membranes. Science Advances, 2021, 7, .	4.7	43
14	An antibiotic-resistance conferring mutation in a neisserial porin: Structure, ion flux, and ampicillin binding. Biochimica Et Biophysica Acta - Biomembranes, 2021, 1863, 183601.	1.4	9
15	In vitro single vesicle fusion assays based on pore-spanning membranes: merits and drawbacks. European Biophysics Journal, 2021, 50, 239-252.	1.2	5
16	Total synthesis and mechanism of action of the antibiotic armeniaspirol A. Chemical Science, 2021, 12, 16023-16034.	3.7	5
17	Viscoelasticity of Native and Artificial Actin Cortices Assessed by Nanoindentation Experiments. Nano Letters, 2020, 20, 6329-6335.	4.5	13
18	Precipitation of Calcium Carbonate Inside Giant Unilamellar Vesicles Composed of Fluid-Phase Lipids. Langmuir, 2020, 36, 13244-13250.	1.6	5

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19	Differential recognition of lipid domains by two Gb3-binding lectins. Scientific Reports, 2020, 10, 9752.	1.6	18
20	Fusion Pore Formation Observed during SNARE-Mediated Vesicle Fusion with Pore-Spanning Membranes. Biophysical Journal, 2020, 119, 151-161.	0.2	13
21	Leaflet-Dependent Distribution of PtdIns[4,5]P₂ in Supported Model Membranes. Langmuir, 2020, 36, 1320-1328.	1.6	5
22	Phase separation in pore-spanning membranes induced by differences in surface adhesion. Physical Chemistry Chemical Physics, 2020, 22, 9308-9315.	1.3	11
23	Neuroligin-2 dependent conformational activation of collybistin reconstituted in supported hybrid membranes. Journal of Biological Chemistry, 2020, 295, 18604-18613.	1.6	6
24	Influence of cross-linkers on ezrin-bound minimal actin cortices. Progress in Biophysics and Molecular Biology, 2019, 144, 91-101.	1.4	7
25	Pore-Spanning Membranes: A Versatile Tool to Investigate Dynamic Processes of Lipid Bilayers. Biophysical Journal, 2019, 116, 7a.	0.2	0
26	Shiga toxin binding alters lipid packing and the domain structure of Gb₃-containing membranes: a solid-state NMR study. Physical Chemistry Chemical Physics, 2019, 21, 15630-15638.	1.3	18
27	Synthesis of Gb 3 Glycosphingolipids with Labeled Head Groups: Distribution in Phaseâ€Separated Giant Unilamellar Vesicles. Angewandte Chemie, 2019, 131, 17969-17977.	1.6	5
28	Synthesis of Gb 3 Glycosphingolipids with Labeled Head Groups: Distribution in Phaseâ€Separated Giant Unilamellar Vesicles. Angewandte Chemie - International Edition, 2019, 58, 17805-17813.	7.2	22
29	Synthetische Analoga zeigen die essentiellen Strukturmotive von Lugdunin und seinen Protonentransport. Angewandte Chemie, 2019, 131, 9333-9338.	1.6	2
30	Synthetic Lugdunin Analogues Reveal Essential Structural Motifs for Antimicrobial Action and Proton Translocation Capability. Angewandte Chemie - International Edition, 2019, 58, 9234-9238.	7.2	44
31	High-resolution experimental and computational electrophysiology reveals weak Î²-lactam binding events in the porin PorB. Scientific Reports, 2019, 9, 1264.	1.6	12
32	SNARE-Mediated Fusion of Single Chromaffin Granules with Pore-Spanning Membranes. Biophysical Journal, 2019, 116, 308-318.	0.2	9
33	Selfâ€Assembly of a Guanosine Derivative To Form Nanostructures and Transmembrane Channels. Chemistry - A European Journal, 2018, 24, 4002-4005.	1.7	7
34	Rheology of Membrane-Attached Minimal Actin Cortices. Journal of Physical Chemistry B, 2018, 122, 4537-4545.	1.2	18
35	Pore-Spanning Membranes: Lipid Domains in Confined Geometry. Biophysical Journal, 2018, 114, 392a.	0.2	0
36	Quantification of Hv1-induced proton translocation by a lipid-coupled Oregon Green 488-based assay. Analytical and Bioanalytical Chemistry, 2018, 410, 6497-6505.	1.9	3

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37	Reconstituting the formation of hierarchically porous silica patterns using diatom biomolecules. Journal of Structural Biology, 2018, 204, 64-74.	1.3	34
38	High-Speed Microscopy of Diffusion in Pore-Spanning Lipid Membranes. Nano Letters, 2018, 18, 5262-5271.	4.5	21
39	Fully Automatic Multiresolution Idealization for Filtered Ion Channel Recordings: Flickering Event Detection. IEEE Transactions on Nanobioscience, 2018, 17, 300-320.	2.2	12
40	Reconstitution of SNARE proteins into solid-supported lipid bilayer stacks and X-ray structure analysis. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 566-578.	1.4	7
41	Monitoring ATPase induced pH changes in single proteoliposomes with the lipid-coupled fluorophore Oregon Green 488. Analyst, The, 2017, 142, 2670-2677.	1.7	13
42	SNARE-Mediated Single-Vesicle Fusion Events with Supported and Freestanding Lipid Membranes. Biophysical Journal, 2017, 112, 2348-2356.	0.2	25
43	Gb₃ Glycosphingolipids with Fluorescent Oligoene Fatty Acids: Synthesis and Phase Behavior in Model Membranes. ChemBioChem, 2017, 18, 2171-2178.	1.3	12
44	Continuous Pore-Spanning Lipid Bilayers on Silicon Oxide-Coated Porous Substrates. Langmuir, 2017, 33, 14175-14183.	1.6	7
45	Size and mobility of lipid domains tuned by geometrical constraints. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E6064-E6071.	3.3	32
46	Planar Pore-Spanning Membranes: A Platform to Study Snare-Mediated Fusion Processes. Biophysical Journal, 2016, 110, 520a.	0.2	0
47	Self-Organization of Actomyosin Networks Attached to Artificial Membranes. Biophysical Journal, 2016, 110, 126a.	0.2	0
48	Synapse on a Chip: SNARE-Mediated Membrane Fusion in Planar Pore-Spanning Membranes. Biophysical Journal, 2016, 110, 248a.	0.2	0
49	Bis-triazolyl diguanosine derivatives as synthetic transmembrane ion channels. Nature Protocols, 2016, 11, 1039-1056.	5.5	16
50	Epsin N-terminal Homology Domain (ENTH) Activity as a Function of Membrane Tension. Journal of Biological Chemistry, 2016, 291, 19953-19961.	1.6	29
51	Voltage Dependence of Conformational Dynamics and Subconducting States of VDAC-1. Biophysical Journal, 2016, 111, 1223-1234.	0.2	28
52	3D-Membrane Stacks on Supported Membranes Composed of Diatom Lipids Induced by Long-Chain Polyamines. Langmuir, 2016, 32, 10144-10152.	1.6	13
53	Î²-Glutamine-mediated self-association of transmembrane Î²-peptides within lipid bilayers. Chemical Science, 2016, 7, 5900-5907.	3.7	9
54	Mode of Ezrin-Membrane Interaction as a Function of PIP 2 Binding and Pseudophosphorylation. Biophysical Journal, 2016, 110, 2710-2719.	0.2	25

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55	Reply to "Polarization modulation adds little additional information to super-resolution fluorescence microscopy". Nature Methods, 2016, 13, 8-9.	9.0	9
56	Specificity of Collybistin-Phosphoinositide Interactions. Journal of Biological Chemistry, 2016, 291, 244-254.	1.6	19
57	Resolving single membrane fusion events on planar pore-spanning membranes. Scientific Reports, 2015, 5, 12006.	1.6	39
58	Towards multifunctional inorganic materials: biopolymeric templates. Beilstein Journal of Nanotechnology, 2015, 6, 1698-1699.	1.5	2
59	2-Hydroxy Fatty Acid Enantiomers of Gb 3 Impact Shiga Toxin Binding and Membrane Organization. Biophysical Journal, 2015, 108, 2775-2778.	0.2	28
60	Mechanics of lipid bilayers: What do we learn from pore-spanning membranes?. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 2977-2983.	1.9	33
61	Membrane-interacting properties of the functionalised fatty acid moiety of muraymycin antibiotics. MedChemComm, 2015, 6, 879-886.	3.5	11
62	Microporous device for local electric recordings on model lipid bilayers. Journal Physics D: Applied Physics, 2015, 48, 025401.	1.3	7
63	A DNA-Inspired Synthetic Ion Channel Based on Gâ€“C Base Pairing. Journal of the American Chemical Society, 2015, 137, 34-37.	6.6	45
64	Phosphatidylinositol 4,5-Bisphosphate Alters the Number of Attachment Sites between Ezrin and Actin Filaments. Journal of Biological Chemistry, 2014, 289, 9833-9843.	1.6	41
65	Mechanics of F-Actin-Membrane Composites Investigated by Atomic Force Microscopy. Biophysical Journal, 2014, 106, 500a.	0.2	0
66	Fluorescence nanoscopy by polarization modulation and polarization angle narrowing. Nature Methods, 2014, 11, 579-584.	9.0	107
67	Triazoleâ€Tailored Guanosine Dinucleosides as Biomimetic Ion Channels to Modulate Transmembrane Potential. Chemistry - A European Journal, 2014, 20, 3023-3028.	1.7	24
68	Combining Reflectometry and Fluorescence Microscopy: An Assay for the Investigation of Leakage Processes across Lipid Membranes. Analytical Chemistry, 2014, 86, 1366-1371.	3.2	7
69	Binding assay for low molecular weight analytes based on reflectometry of absorbing molecules in porous substrates. Analyst, The, 2014, 139, 1987-1992.	1.7	7
70	Driving a planar model system into the 3rddimension: generation and control of curved pore-spanning membrane arrays. Soft Matter, 2014, 10, 6228-6236.	1.2	13
71	Voltage-dependent structural changes of the membrane-bound anion channel hVDAC1 probed by SEIRA and electrochemical impedance spectroscopy. Physical Chemistry Chemical Physics, 2014, 16, 9546-9555.	1.3	38
72	Influence of Gb3 glycosphingolipids differing in their fatty acid chain on the phase behaviour of solid supported membranes: chemical syntheses and impact of Shiga toxin binding. Chemical Science, 2014, 5, 3104.	3.7	48

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73	Modulating the Lateral Tension of Solvent-Free Pore-Spanning Membranes. Langmuir, 2014, 30, 8186-8192.	1.6	13
74	Permeabilization Assay for Antimicrobial Peptides Based on Pore-Spanning Lipid Membranes on Nanoporous Alumina. Langmuir, 2014, 30, 4767-4774.	1.6	7
75	Biofunctionalization of Nanoporous Alumina Substrates. , 2014, , 911-940.		0
76	In situ generation of electrochemical gradients across pore-spanning membranes. RSC Advances, 2013, 3, 15752.	1.7	13
77	Phosphorylation of C-terminal polycystin-2 influences the interaction with PIGEA14: A QCM study based on solid supported membranes. Biochemical and Biophysical Research Communications, 2013, 437, 532-537.	1.0	6
78	Channel Crystal Structure and Antimicrobial Mechanism of Dermcidin from Human Skin. Biophysical Journal, 2013, 104, 241a.	0.2	0
79	Solid Supported Membranes Doped with PIP₂: Influence of Ionic Strength and pH on Bilayer Formation and Membrane Organization. Langmuir, 2013, 29, 14204-14213.	1.6	41
80	Silica Precipitation by Synthetic Minicollagens. Biomacromolecules, 2013, 14, 683-687.	2.6	10
81	Idealizing Ion Channel Recordings by a Jump Segmentation Multiresolution Filter. IEEE Transactions on Nanobioscience, 2013, 12, 376-386.	2.2	32
82	Crystal structure and functional mechanism of a human antimicrobial membrane channel. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4586-4591.	3.3	104
83	Green Fluorescent Protein Changes the Conductance of Connexin 43 (Cx43) Hemichannels Reconstituted in Planar Lipid Bilayers. Journal of Biological Chemistry, 2012, 287, 2877-2886.	1.6	17
84	Macroporous silicon chips for laterally resolved, multi-parametric analysis of epithelial barrier function. Lab on A Chip, 2012, 12, 2329.	3.1	9
85	Creating and Modulating Membrane Microdomains in Pore-Spanning Bilayers. Biophysical Journal, 2012, 102, 26a-27a.	0.2	0
86	Biomimetic functionalization of porous substrates: towards model systems for cellular membranes. Journal of Materials Chemistry, 2012, 22, 19348.	6.7	34
87	Macromolecular shape and interactions in layer-by-layer assemblies within cylindrical nanopores. Beilstein Journal of Nanotechnology, 2012, 3, 475-484.	1.5	14
88	Combined Electrochemistry and Surfaceâ€Enhanced Infrared Absorption Spectroscopy of Gramicidin A Incorporated into Tethered Bilayer Lipid Membranes. Angewandte Chemie - International Edition, 2012, 51, 8114-8117.	7.2	60
89	Phospholipids as an alternative to direct covalent coupling: Surface functionalization of nanoporous alumina for protein recognition and purification. Journal of Colloid and Interface Science, 2012, 366, 57-63.	5.0	15
90	Creating and Modulating Microdomains in Poreâ€Spanning Membranes. ChemPhysChem, 2012, 13, 108-114.	1.0	25

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91	A membrane fusion assay based on pore-spanning lipid bilayers. Soft Matter, 2011, 7, 1644.	1.2	12
92	Orthogonal Functionalization of Nanoporous Substrates: Control of 3D Surface Functionality. ACS Applied Materials & Interfaces, 2011, 3, 1068-1076.	4.0	26
93	Preparation of Solvent-Free, Pore-Spanning Lipid Bilayers: Modeling the Low Tension of Plasma Membranes. Langmuir, 2011, 27, 7672-7680.	1.6	49
94	Activation of F-Actin Binding Capacity of Ezrin: Synergism of PIP2 Interaction and Phosphorylation. Biophysical Journal, 2011, 100, 1708-1717.	0.2	60
95	Silica precipitation with synthetic silaffin peptides. Organic and Biomolecular Chemistry, 2011, 9, 5482.	1.5	55
96	Separating Attoliter-Sized Compartments Using Fluid Pore-Spanning Lipid Bilayers. ACS Nano, 2011, 5, 6935-6944.	7.3	36
97	Benefits and Limitations of Porous Substrates as Biosensors for Protein Adsorption. Analytical Chemistry, 2011, 83, 5624-5630.	3.2	64
98	Single Hemichannels Recorded in Lipid Bilayers and Artificial Gap Junction Formation with Cells. Biophysical Journal, 2011, 100, 562a-563a.	0.2	0
99	Mechanistic insights into the translocation of full length HIV-1 Tat across lipid membranes. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 2685-2693.	1.4	6
100	Tailored Synthetic Polyamines for Controlled Biomimetic Silica Formation. Journal of the American Chemical Society, 2010, 132, 1023-1031.	6.6	88
101	Multicomponent membranes on solid substrates: Interfaces for protein binding. Current Opinion in Colloid and Interface Science, 2010, 15, 479-488.	3.4	15
102	Quantifying the interaction of the C-terminal regions of polycystin-2 and polycystin-1 attached to a lipid bilayer by means of QCM. Biophysical Chemistry, 2010, 150, 47-53.	1.5	15
103	Pannexin1 and Pannexin2 Channels Show Quaternary Similarities to Connexons and Different Oligomerization Numbers from Each Other. Journal of Biological Chemistry, 2010, 285, 24420-24431.	1.6	134
104	Membrane Fusion Assay Based on Pore-Spanning Lipid Bilayers. Biophysical Journal, 2010, 98, 672a-673a.	0.2	1
105	Cell Adhesion to Ordered Pores: Consequences for Cellular Elasticity. Journal of Adhesion Science and Technology, 2010, 24, 2287-2300.	1.4	13
106	Molecular Recognition at the Membraneâ^'Water Interface: Controlling Integral Peptide Helices by Off-Membrane Nucleobase Pairing. Journal of the American Chemical Society, 2010, 132, 8020-8028.	6.6	12
107	Formation of Silica Precipitates on Membrane Surfaces in Two and Three Dimensions. Langmuir, 2010, 26, 13422-13428.	1.6	7
108	Arrangement of Annexin A2 tetramer and its impact on the structure and diffusivity of supported lipid bilayers. Soft Matter, 2010, 6, 4084.	1.2	7

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109	Viscoelasticity of pore-spanning polymer membranes derived from giant polymersomes. Soft Matter, 2010, 6, 2508.	1.2	13
110	Lipid Reorganization Induced by Shiga Toxin Clustering on Planar Membranes. PLoS ONE, 2009, 4, e6238.	1.1	90
111	Binding of heat shock protein 70 to extracellular phosphatidylserine promotes killing of normoxic and hypoxic tumor cells. FASEB Journal, 2009, 23, 2467-2477.	0.2	95
112	Elasticity Mapping of Poreâ€Suspending Native Cell Membranes. Small, 2009, 5, 832-838.	5.2	25
113	Impedance analysis of valinomycin activity in nano-BLMs. Chemistry and Physics of Lipids, 2009, 160, 109-113.	1.5	12
114	Local Membrane Mechanics of Pore-Spanning Bilayers. Journal of the American Chemical Society, 2009, 131, 7031-7039.	6.6	90
115	The M34A mutant of Connexin26 reveals active conductance states in pore-suspending membranes. Journal of Structural Biology, 2009, 168, 168-176.	1.3	24
116	HIV-1 Nef Perturbs Artificial Membranes: Investigation of the Contribution of the Myristoyl Anchor. Biophysical Journal, 2009, 96, 3242-3250.	0.2	7
117	Imaging and Patterning of Pore-Suspending Membranes with Scanning Ion Conductance Microscopy. Langmuir, 2009, 25, 3022-3028.	1.6	57
118	Impedance analysis of gramicidin D in pore-suspending membranes. Soft Matter, 2009, 5, 3347.	1.2	32
119	Elasticity mapping of apical cell membranes. Soft Matter, 2009, 5, 3262.	1.2	14
120	Modulation of the conductance of a 2,2â€²-bipyridine-functionalized peptidic ion channel by Ni2+. European Biophysics Journal, 2008, 37, 1065-1071.	1.2	8
121	Modellmembranen auf OberflÃchen. Verankert und doch mobil. Chemie in Unserer Zeit, 2008, 42, 116-127.	0.1	3
122	Interactions of laminin peptides with phospholipids in Langmuir films and vesicles. Chemical Physics Letters, 2008, 464, 226-229.	1.2	3
123	Chapter 3 Pore-Suspending Membranes on Highly Ordered Porous Alumina and Porous Silicon Substrates: Preparation, Characterization, and Application. Behavior Research Methods, 2008, 7, 59-78.	2.3	2
124	Electrically insulating pore-suspending membranes on highly ordered porous alumina obtained from vesicle spreading. Soft Matter, 2008, 4, 250-253.	1.2	55
125	Formation of irreversibly bound annexin A1 protein domains on POPC/POPS solid supported membranes. Biochimica Et Biophysica Acta - Biomembranes, 2008, 1778, 1601-1610.	1.4	24
126	Actin Binding of Ezrin Is Activated by Specific Recognition of PIP₂-Functionalized Lipid Bilayers. Biochemistry, 2008, 47, 3762-3769.	1.2	37

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127	Hsp70 Translocates into the Plasma Membrane after Stress and Is Released into the Extracellular Environment in a Membrane-Associated Form that Activates Macrophages. Journal of Immunology, 2008, 180, 4299-4307.	0.4	371
128	Tumor-Specific Hsp70 Plasma Membrane Localization Is Enabled by the Glycosphingolipid Gb3. PLoS ONE, 2008, 3, e1925.	1.1	141
129	Lipid Membranes on Highly Ordered Porous Alumina Substrates. , 2008, , .		0
130	Micro-BLMs on Highly Ordered Porous Silicon Substrates:â€‰ Rupture Process and Lateral Mobility. Langmuir, 2007, 23, 9134-9139.	1.6	51
131	Phase Transition of Individually Addressable Microstructured Membranes Visualized by Imaging Ellipsometry. Journal of Physical Chemistry B, 2007, 111, 13979-13986.	1.2	38
132	Shiga toxin induces tubular membrane invaginations for its uptake into cells. Nature, 2007, 450, 670-675.	13.7	538
133	Mechanical Properties of Pore-Spanning Lipid Bilayers Probed by Atomic Force Microscopy. Biophysical Journal, 2006, 91, 217-226.	0.2	116
134	Channel Activity of OmpF Monitored in Nano-BLMs. Biophysical Journal, 2006, 91, 2163-2171.	0.2	88
135	Influence of Î±-Hydroxylation of Glycolipids on Domain Formation in Lipid Monolayers. Langmuir, 2006, 22, 7454-7457.	1.6	10
136	Cooperative Adsorption of Ezrin on PIP2-Containing Membranesâ€. Biochemistry, 2006, 45, 13025-13034.	1.2	54
137	Transport across artificial membranesâ€“an analytical perspective. Analytical and Bioanalytical Chemistry, 2006, 385, 433-451.	1.9	153
138	Partially Reversible Adsorption of Annexin A1 on POPC/POPS Bilayers Investigated by QCM Measurements, SFM, and DMC Simulations. ChemBioChem, 2006, 7, 106-115.	1.3	18
139	Fluorinated Interfaces Drive Self-Association of Transmembrane Î± Helices in Lipid Bilayers. Angewandte Chemie - International Edition, 2006, 45, 2588-2591.	7.2	49
140	Measuring Cell Adhesion on RGD-Modified, Self-Assembled PEG Monolayers Using the Quartz Crystal Microbalance Technique. Macromolecular Bioscience, 2006, 6, 827-838.	2.1	22
141	Specific Adsorption of AnnexinÂA1 on Solid Supported Membranes: AÂModel Study. , 2006, , 281-302.		10
142	Impedance and QCM analysis of the protein resistance of self-assembled PEGylated alkanethiol layers on gold. Biomaterials, 2005, 26, 4237-4243.	5.7	41
143	Label-Free Detection of Proteinâ€“Ligand Interactions by the Quartz Crystal Microbalance. , 2005, 305, 047-064.		14
144	Phosphatidylserine Membrane Domain Clustering Induced by Annexin A2/S100A10 Heterotetramerâ€. Biochemistry, 2005, 44, 15296-15303.	1.2	60

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145	Controlling Association of Vesicle Embedded Peptides by Alteration of the Physical State of the Lipid Matrixâ€. Biochemistry, 2005, 44, 5188-5195.	1.2	7
146	Photocurrents Generated by Bacteriorhodopsin Adsorbed on Nano-Black Lipid Membranes. Biophysical Journal, 2005, 89, 1046-1054.	0.2	71
147	No Label Required: Protein Binding at Membrane Interfaces Visualized through Colloid Phase Transitions. ChemPhysChem, 2004, 5, 1121-1124.	1.0	5
148	The Molecular Arrangement of Membrane-Bound Annexin A2-S100A10 Tetramer as Revealed by Scanning Force Microscopy. ChemBioChem, 2004, 5, 1003-1006.	1.3	33
149	Biochemical Applications of Solid Supported Membranes on Gold Surfaces: Quartz Crystal Microbalance and Impedance Analysis. ChemInform, 2004, 35, no.	0.1	1
150	DNA hybridization-enhanced porous silicon corrosion: mechanistic investigations and prospect for optical interferometric biosensing. Tetrahedron, 2004, 60, 11259-11267.	1.0	91
151	Channel Activity of a Viral Transmembrane Peptide in Micro-BLMs:Â Vpu1-32from HIV-1. Journal of the American Chemical Society, 2004, 126, 16267-16274.	6.6	91
152	Impedance Analysis and Single-Channel Recordings on Nano-Black Lipid Membranes Based on Porous Alumina. Biophysical Journal, 2004, 86, 955-965.	0.2	236
153	Scrutiny of Annexin A1 Mediated Membraneâ^'Membrane Interaction by Means of a Thickness Shear Mode Resonator and Computer Simulationsâ€. Langmuir, 2004, 20, 7246-7253.	1.6	15
154	Noninvasive Electrical Sensor Devices to Monitor Living Cells Online. Springer Series on Chemical Sensors and Biosensors, 2004, , 199-236.	0.5	1
155	Adhesion of liposomes: a quartz crystal microbalance study. Measurement Science and Technology, 2003, 14, 1865-1875.	1.4	37
156	Pore-Suspending Lipid Bilayers on Porous Alumina Investigated by Electrical Impedance Spectroscopy. Journal of Physical Chemistry B, 2003, 107, 11245-11254.	1.2	67
157	Adhesion Kinetics of Functionalized Vesicles and Mammalian Cells:Â A Comparative Studyâ€. Langmuir, 2003, 19, 1816-1823.	1.6	47
158	Membrane Composition Affects the Reversibility of Annexin A2t Binding to Solid Supported Membranes:Â A QCM Studyâ€. Biochemistry, 2003, 42, 3131-3141.	1.2	33
159	Biochemical Applications of Solid Supported Membranes on Gold Surfaces: Quartz Crystal Microbalance and Impedance Analysis. Membrane Science and Technology, 2003, 7, 991-1016.	0.5	10
160	Kinetics and Thermodynamics of Annexin A1 Binding to Solid-Supported Membranes:Â A QCM Studyâ€. Biochemistry, 2002, 41, 10087-10094.	1.2	66
161	Quantification of the Raf-C1 Interaction With Solid-Supported Bilayers. ChemBioChem, 2002, 3, 190-197.	1.3	10
162	Membrane-Suspended Nanocompartments Based on Ordered Pores in Alumina. ChemPhysChem, 2002, 3, 885-889.	1.0	77

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163	Visualization of Chemical and Physical Properties of Calcium-Induced Domains in DPPC/DPPS Langmuirâ"Blodgett Layers. Langmuir, 2001, 17, 2437-2445.	1.6	105
164	Membrane Activity of an Anion Channel from Clavibacter michiganense ssp. nebraskense. Langmuir, 2001, 17, 2251-2257.	1.6	15
165	Scanning Force Microscopy of Artificial Membranes. ChemBioChem, 2001, 2, 798.	1.3	38
166	Channel activity of a phytotoxin of Clavibacter michiganense ssp. nebraskense in tethered membranes. European Biophysics Journal, 2001, 30, 421-429.	1.2	12
167	Visualization of Annexin I Binding to Calcium-Induced Phosphatidylserine Domains. ChemBioChem, 2001, 2, 587-590.	1.3	30
168	Energy Landscapes of Ligand-Receptor Couples Probed by Dynamic Force Spectroscopy. ChemPhysChem, 2001, 2, 577-579.	1.0	12
169	The Quartz Crystal Microbalance as a Novel Means to Study Cell-Substrate Interactions In Situ. Cell Biochemistry and Biophysics, 2001, 34, 121-151.	0.9	100
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