Jay T Groves

List of Publications by Year
in descending order

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166 papers	11,473 citations	30070 54 h-index	33894 99 g-index
177 all docs	177 docs citations	177 times ranked	10787 citing authors

#	Article	IF	Citations
1	Competition for shared downstream signaling molecules establishes indirect negative feedback between EGFR and EphA2. Biophysical Journal, 2022, 121, 1897-1908.	0.5	3
2	A two-component protein condensate of the EGFR cytoplasmic tail and Grb2 regulates Ras activation by SOS at the membrane. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2122531119.	7.1	33
3	Coupled membrane lipid miscibility and phosphotyrosine-driven protein condensation phase transitions. Biophysical Journal, 2021, 120, 1257-1265.	0.5	49
4	EphrinB2 clustering by Nipah virus G is required to activate and trap F intermediates at supported lipid bilayerâ€“cell interfaces. Science Advances, 2021, 7, .	10.3	18
5	Raf promotes dimerization of the Ras G-domain with increased allosteric connections. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	39
6	Probing the effect of clustering on EphA2 receptor signaling efficiency by subcellular control of ligand-receptor mobility. ELife, 2021, 10, .	6.0	22
7	Membrane anchoring facilitates colocalization of enzymes in plant cytochrome P450 redox systems. Communications Biology, 2021, 4, 1057.	4.4	4
8	Height, but not binding epitope, affects the potency of synthetic TCR agonists. Biophysical Journal, 2021, 120, 3869-3880.	0.5	8
9	Nanopore-mediated protein delivery enabling three-color single-molecule tracking in living cells. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	11
10	Relating cellular signaling timescales to single-molecule kinetics: A first-passage time analysis of Ras activation by SOS. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	9
11	Stochasticity and positive feedback enable enzyme kinetics at the membrane to sense reaction size. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	7
12	How the T cell signaling network processes information to discriminate between self and agonist ligands. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 26020-26030.	7.1	39
13	Membrane Association Transforms an Inert Anti-TCRÎ² Fabâ€™ Ligand into a Potent T Cell Receptor Agonist. Biophysical Journal, 2020, 118, 2879-2893.	0.5	18
14	Bruton's Tyrosine Kinase Membrane Dynamics and Signaling. Biophysical Journal, 2020, 118, 560a-561a.	0.5	0
15	Stochastic geometry sensing and polarization in a lipid kinaseâ€“phosphatase competitive reaction. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 15013-15022.	7.1	41
16	Switch-like activation of Brutonâ€™s tyrosine kinase by membrane-mediated dimerization. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10798-10803.	7.1	37
17	A molecular assembly phase transition and kinetic proofreading modulate Ras activation by SOS. Science, 2019, 363, 1098-1103.	12.6	268
18	Live and Simultaneous Readout of NFAT and ERK Activation in T Cells Reveals Multiple Dimensions of TCR Signaling. Biophysical Journal, 2019, 116, 530a.	0.5	0

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19	Hybrid Live Cellâ€“Supported Membrane Interfaces for Signaling Studies. Annual Review of Biophysics, 2019, 48, 537-562.	10.0	27
20	Total Reconstitution of Receptor-Mediated Ras Activation by SOS in Vitro Reveals Kinetic and Conformational Layers of Regulation in MAPK Signaling. Biophysical Journal, 2019, 116, 531a-532a.	0.5	0
21	Membrane Mechanics in Living Cells. Developmental Cell, 2019, 48, 15-16.	7.0	19
22	Mapping the stochastic sequence of individual ligand-receptor binding events to cellular activation: T cells act on the rare events. Science Signaling, 2019, 12, .	3.6	70
23	Multicomponent Supported Membrane Microarray for Monitoring Spatially Resolved Cellular Signaling Reactions. Advanced Biology, 2018, 2, 1800015.	3.0	14
24	K-Ras4B Remains Monomeric on Membranes over aÂWide Range ofÂSurface Densities and Lipid Compositions. Biophysical Journal, 2018, 114, 137-145.	0.5	69
25	Interfacial Forces Dictate the Pathway of Phospholipid Vesicle Adsorption onto Silicon Dioxide Surfaces. Langmuir, 2018, 34, 1775-1782.	3.5	49
26	EGFR family and Src family kinase interactions: mechanics matters?. Current Opinion in Cell Biology, 2018, 51, 97-102.	5.4	64
27	Membrane Reconstitution of Monoamine Oxidase Enzymes on Supported Lipid Bilayers. Langmuir, 2018, 34, 10764-10773.	3.5	4
28	Fabrication of Multicomponent, Spatially Segregated DNA and Protein-Functionalized Supported Membrane Microarray. Langmuir, 2018, 34, 9781-9788.	3.5	10
29	Isolation of a Structural Mechanism for Uncoupling T Cell Receptor Signaling from Peptide-MHC Binding. Cell, 2018, 174, 672-687.e27.	28.9	229
30	Spatiomechanical Modulation of EphB4-Ephrin-B2 Signaling in Neural Stem Cell Differentiation. Biophysical Journal, 2018, 115, 865-873.	0.5	13
31	Spatially modulated ephrinA1:EphA2 signaling increases local contractility and global focal adhesion dynamics to promote cell motility. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E5696-E5705.	7.1	40
32	Cell Adhesion: Dynamic Cellular Interactions with Extracellular Matrix Triggered by Biomechanical Tuning of Lowâ€Rigidity, Supported Lipid Membranes (Adv. Healthcare Mater. 10/2017). Advanced Healthcare Materials, 2017, 6, .	7.6	1
33	Dynamic Cellular Interactions with Extracellular Matrix Triggered by Biomechanical Tuning of Lowâ€Rigidity, Supported Lipid Membranes. Advanced Healthcare Materials, 2017, 6, 1700243.	7.6	21
34	Early T cell receptor signals globally modulate ligand:receptor affinities during antigen discrimination. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12190-12195.	7.1	62
35	Dynamic Scaling Analysis of Molecular Motion within the LAT:Grb2:SOS Protein Network onÂMembranes. Biophysical Journal, 2017, 113, 1807-1813.	0.5	23
36	Mechanism of SOS PR-domain autoinhibition revealed by single-molecule assays on native protein from lysate. Nature Communications, 2017, 8, 15061.	12.8	41

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37	Allosteric Modulation of Grb2 Recruitment to the Intrinsically Disordered Scaffold Protein, LAT, by Remote Site Phosphorylation. Journal of the American Chemical Society, 2017, 139, 18009-18015.	13.7	27
38	Two-step membrane binding by the bacterial SRP receptor enable efficient and accurate Co-translational protein targeting. ELife, 2017, 6, .	6.0	7
39	Graphene-Templated Supported Lipid Bilayer Nanochannels. Nano Letters, 2016, 16, 5022-5026.	9.1	14
40	Phosphotyrosine-mediated LAT assembly on membranes drives kinetic bifurcation in recruitment dynamics of the Ras activator SOS. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 8218-8223.	7.1	101
41	Sustained Î± -catenin Activation at E-cadherin Junctions in the Absence of Mechanical Force. Biophysical Journal, 2016, 111, 1044-1052.	0.5	37
42	One-way membrane trafficking of SOS in receptor-triggered Ras activation. Nature Structural and Molecular Biology, 2016, 23, 838-846.	8.2	49
43	Size-dependent, stochastic nature of lipid exchange between nano-vesicles and model membranes. Nanoscale, 2016, 8, 13513-13520.	5.6	9
44	A Microbead Supported Membrane-Based Fluorescence Imaging Assay Reveals Intermembrane Receptorâ€“Ligand Complex Dimension with Nanometer Precision. Langmuir, 2016, 32, 6775-6780.	3.5	14
45	Dynamic Organization of Myristoylated Src in the Live Cell Plasma Membrane. Journal of Physical Chemistry B, 2016, 120, 867-876.	2.6	14
46	Monitoring the Waiting Time Sequence of Single Ras GTPase Activation Events Using Liposome Functionalized Zero-Mode Waveguides. Nano Letters, 2016, 16, 2890-2895.	9.1	22
47	Covalent Ras Dimerization on Membrane Surfaces through Photosensitized Oxidation. Journal of the American Chemical Society, 2016, 138, 1800-1803.	13.7	35
48	Stochastic Fluctuation Sensing in a Bistable Phosphatidylinositol-Based Reaction Diffusion System. Biophysical Journal, 2016, 110, 421a.	0.5	1
49	Cholesterol-Enriched Domain Formation Induced by Viral-Encoded, Membrane-Active Amphipathic Peptide. Biophysical Journal, 2016, 110, 176-187.	0.5	20
50	Live Cell Plasma Membranes Do Not Exhibit a Miscibility Phase Transition over a Wide Range of Temperatures. Journal of Physical Chemistry B, 2015, 119, 4450-4459.	2.6	53
51	E-cadherin junction formation involves an active kinetic nucleation process. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 10932-10937.	7.1	84
52	Negative membrane curvature catalyzes nucleation of endosomal sorting complex required for transport (ESCRT)-III assembly. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 15892-15897.	7.1	109
53	Diffusion of GPI-anchored proteins is influenced by the activity of dynamic cortical actin. Molecular Biology of the Cell, 2015, 26, 4033-4045.	2.1	76
54	Activation-triggered subunit exchange between CaMKII holoenzymes facilitates the spread of kinase activity. ELife, 2014, 3, e01610.	6.0	87

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55	H-Ras forms dimers on membrane surfaces via a proteinâ€“protein interface. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 2996-3001.	7.1	150
56	Size-Based Chromatography of Signaling Clusters in a Living Cell Membrane. Nano Letters, 2014, 14, 2293-2298.	9.1	21
57	Ras activation by SOS: Allosteric regulation by altered fluctuation dynamics. Science, 2014, 345, 50-54.	12.6	126
58	Spatial Organization of EphA2 at the Cell-Cell Interface Modulates Trans-Endocytosis of EphrinA1. Biophysical Journal, 2014, 106, 2196-2205.	0.5	41
59	Single Molecule Measurements of TCR Triggering in Self-Reactive T Cells. Biophysical Journal, 2014, 106, 520a.	0.5	0
60	Direct, Single Molecule, Cell-by-Cell Observation of Molecular Kinetics and Thermodynamics in Early Lymphocyte Signaling. Biophysical Journal, 2014, 106, 19a.	0.5	0
61	Ratiometric Imaging of the T-Cell Actin Cytoskeleton Reveals the Nature of Receptor-Induced Cytoskeletal Enrichment. Biophysical Journal, 2013, 105, L11-L13.	0.5	7
62	Glycans' imprints. Nature Materials, 2013, 12, 96-97.	27.5	5
63	Conformational Coupling across the Plasma Membrane in Activation of the EGF Receptor. Cell, 2013, 152, 543-556.	28.9	423
64	Clustering of Ras on Membrane Surfaces Independent of Lipid Anchor Effects. Biophysical Journal, 2013, 104, 97a-98a.	0.5	0
65	Restricting EphA2 Receptor Movement Affects Internalization and Signaling in Living Cells. Biophysical Journal, 2013, 104, 27a.	0.5	0
66	Modulation of T cell signaling by the actin cytoskeleton. Journal of Cell Science, 2013, 126, 1049-1058.	2.0	90
67	Nanoscale Obstacle Arrays Frustrate Transport of EphA2â€“Ephrin-A1 Clusters in Cancer Cell Lines. Nano Letters, 2013, 13, 3059-3064.	9.1	28
68	DNA-Mediated Assembly of Protein Heterodimers on Membrane Surfaces. Journal of the American Chemical Society, 2013, 135, 5012-5016.	13.7	27
69	Direct single molecule measurement of TCR triggering by agonist pMHC in living primary T cells. ELife, 2013, 2, e00778.	6.0	142
70	Characterization of dynamic actin associations with T-cell receptor microclusters in primary T cells. Journal of Cell Science, 2012, 125, 735-742.	2.0	55
71	Membrane-protein binding measured with solution-phase plasmonic nanocube sensors. Nature Methods, 2012, 9, 1189-1191.	19.0	86
72	Monitoring Lipid Anchor Organization in Cell Membranes by PIE-FCCS. Journal of the American Chemical Society, 2012, 134, 10833-10842.	13.7	43

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73	Single Molecule Kinetics of ENTH Binding to Lipid Membranes. Journal of Physical Chemistry B, 2012, 116, 5122-5131.	2.6	20
74	The Membrane Environment Can Promote or Suppress Bistability in Cell Signaling Networks. Journal of Physical Chemistry B, 2012, 116, 3630-3640.	2.6	39
75	EphA2-Ephrina1 Signaling and PI(4,5)P2 Spatial Organization on Breast Cancer Cells. Biophysical Journal, 2012, 102, 301a-302a.	0.5	0
76	Receptor Signaling Clusters in the Immune Synapse. Annual Review of Biophysics, 2012, 41, 543-556.	10.0	215
77	Myosin IIA Modulates T Cell Receptor Transport and CasL Phosphorylation during Early Immunological Synapse Formation. PLoS ONE, 2012, 7, e30704.	2.5	65
78	Investigating Cell Surface Galectin-Mediated Cross-Linking on Glycoengineered Cells. Journal of the American Chemical Society, 2012, 134, 9549-9552.	13.7	70
79	Supported Membranes Embedded with Fixed Arrays of Gold Nanoparticles. Nano Letters, 2011, 11, 4912-4918.	9.1	51
80	Patterned Two-Photon Photoactivation Illuminates Spatial Reorganization in Live Cells. Journal of Physical Chemistry A, 2011, 115, 3867-3875.	2.5	18
81	EphA2 Receptor Activation by Monomeric Ephrin-A1 on Supported Membranes. Biophysical Journal, 2011, 101, 2731-2739.	0.5	47
82	Gradient Distribution of LFA-1 cluster Size in the Immunological Synapse. Biophysical Journal, 2011, 100, 253a.	0.5	0
83	A Mechanism for Tunable Autoinhibition in the Structure of a Human Ca2+/Calmodulin- Dependent Kinase II Holoenzyme. Cell, 2011, 146, 732-745.	28.9	230
84	Using patterned supported lipid membranes to investigate the role of receptor organization in intercellular signaling. Nature Protocols, 2011, 6, 523-539.	12.0	86
85	Signaling clusters in the cell membrane. Current Opinion in Cell Biology, 2011, 23, 370-376.	5.4	124
86	Engineering supported membranes for cell biology. Medical and Biological Engineering and Computing, 2010, 48, 955-963.	2.8	60
87	Molecular mechanisms in signal transduction at the membrane. Nature Structural and Molecular Biology, 2010, 17, 659-665.	8.2	248
88	TCR and Lat are expressed on separate protein islands on T cell membranes and concatenate during activation. Nature Immunology, 2010, 11, 90-96.	14.5	571
89	Spatial organization and signal transduction at intercellular junctions. Nature Reviews Molecular Cell Biology, 2010, 11, 342-352.	37.0	114
90	Engineering of a synthetic electron conduit in living cells. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 19213-19218.	7.1	248

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91	Bending-mediated superstructural organizations in phase-separated lipid membranes. New Journal of Physics, 2010, 12, 095001.	2.9	23
92	Roles of the cytoskeleton in regulating EphA2 signals. Communicative and Integrative Biology, 2010, 3, 454-457.	1.4	11
93	Restriction of Receptor Movement Alters Cellular Response: Physical Force Sensing by EphA2. Science, 2010, 327, 1380-1385.	12.6	301
94	Probing Spatial Organization in Cell Membrane at the Immunological Synapse. Biophysical Journal, 2010, 98, 688a.	0.5	0
95	Receptor Cluster Size Affects Signaling in Breast Epithelial Cancer Cells. Biophysical Journal, 2010, 98, 493a-494a.	0.5	0
96	Supported Membrane Formation, Characterization, Functionalization, and Patterning for Application in Biological Science and Technology. Current Protocols in Chemical Biology, 2010, 2, 235-269.	1.7	57
97	Altered Actin Centripetal Retrograde Flow in Physically Restricted Immunological Synapses. PLoS ONE, 2010, 5, e11878.	2.5	66
98	Cluster size regulates protein sorting in the immunological synapse. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 12729-12734.	7.1	136
99	The physical chemistry of membrane curvature. Nature Chemical Biology, 2009, 5, 783-784.	8.0	17
100	Effect of Support Corrugation on Silica Xerogelâ^'Supported Phase-Separated Lipid Bilayers. Langmuir, 2009, 25, 3713-3717.	3.5	24
101	Like-charge interactions between colloidal particles are asymmetric with respect to sign. Soft Matter, 2009, 5, 1931.	2.7	31
102	Activation Dependent Organization of T Cell Membranes: A FCCS Study. Biophysical Journal, 2009, 96, 451a.	0.5	0
103	A Nanocube Plasmonic Sensor for Molecular Binding on Membrane Surfaces. Nano Letters, 2009, 9, 2077-2082.	9.1	111
104	Discrete Arrays of Liquidâ€Crystalâ€Supported Proteolipid Monolayers as Phantom Cell Surfaces. ChemPhysChem, 2008, 9, 1688-1692.	2.1	13
105	Membrane-dependent signal integration by the Ras activator Son of sevenless. Nature Structural and Molecular Biology, 2008, 15, 452-461.	8.2	222
106	Electrostatic readout of DNA microarrays with charged microspheres. Nature Biotechnology, 2008, 26, 825-830.	17.5	45
107	T Cell Receptor Microcluster Transport through Molecular Mazes Reveals Mechanism of Translocation. Biophysical Journal, 2008, 94, 3286-3292.	0.5	158
108	Quantitative Fluorescence Microscopy Using Supported Lipid Bilayer Standards. Biophysical Journal, 2008, 95, 2512-2519.	0.5	79

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109	Fluorescence Imaging of Membrane Dynamics. Annual Review of Biomedical Engineering, 2008, 10, 311-338.	12.3	111
110	Noncovalent Cell Surface Engineering: Incorporation of Bioactive Synthetic Glycopolymers into Cellular Membranes. Journal of the American Chemical Society, 2008, 130, 5947-5953.	13.7	185
111	Kinetic Control of Histidine-Tagged Protein Surface Density on Supported Lipid Bilayers. Langmuir, 2008, 24, 4145-4149.	3.5	146
112	Electrical Manipulation of Supported Lipid Membranes by Embedded Electrodes. Langmuir, 2008, 24, 6189-6193.	3.5	13
113	A chemical approach to unraveling the biological function of the glycosylphosphatidylinositol anchor. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 20332-20337.	7.1	86
114	Hierarchical Assembly of Model Cell Surfaces:Â Synthesis of Mucin Mimetic Polymers and Their Display on Supported Bilayers. Journal of the American Chemical Society, 2007, 129, 5462-5471.	13.7	50
115	Bending Mechanics and Molecular Organization in Biological Membranes. Annual Review of Physical Chemistry, 2007, 58, 697-717.	10.8	78
116	Molecular Orientation of Membrane-Anchored Mucin Glycoprotein Mimics. Journal of Physical Chemistry B, 2007, 111, 12133-12135.	2.6	17
117	Hybrid Proteinâ^'Lipid Patterns from Aluminum Templates. Langmuir, 2007, 23, 2052-2057.	3.5	30
118	Curvature and spatial organization in biological membranes. Soft Matter, 2007, 3, 24-33.	2.7	111
119	Synthetic Analogues of Glycosylphosphatidylinositol-Anchored Proteins and Their Behavior in Supported Lipid Bilayers. Journal of the American Chemical Society, 2007, 129, 11543-11550.	13.7	79
120	Interrogating the T cell synapse with patterned surfaces and photoactivated proteins. Current Opinion in Immunology, 2007, 19, 722-727.	5.5	14
121	Detection of proteins using a colorimetric bio-barcode assay. Nature Protocols, 2007, 2, 1438-1444.	12.0	113
122	Control of Antigen Presentation with a Photoreleasable Agonist Peptide. Journal of the American Chemical Society, 2006, 128, 15354-15355.	13.7	32
123	Analysis of Shape, Fluctuations, and Dynamics in Intermembrane Junctions. Biophysical Journal, 2006, 91, 3600-3606.	0.5	17
124	Kinetic Pathways of Phase Ordering in Lipid Raft Model Systems. Journal of Physical Chemistry B, 2006, 110, 8416-8421.	2.6	4
125	Surface Binding Affinity Measurements from Order Transitions of Lipid Membrane-Coated Colloidal Particles. Analytical Chemistry, 2006, 78, 174-180.	6.5	25
126	Coupled Membrane Fluctuations and Protein Mobility in Supported Intermembrane Junctions. Journal of Physical Chemistry B, 2006, 110, 8513-8516.	2.6	11

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127	Curvature-Modulated Phase Separation in Lipid Bilayer Membranes. Langmuir, 2006, 22, 5095-5099.	3.5	222
128	Nonequilibrium Patterns of Cholesterol-Rich Chemical Heterogenieties within Single Fluid Supported Phospholipid Bilayer Membranes. Langmuir, 2006, 22, 5374-5384.	3.5	18
129	Materials Science of Supported Lipid Membranes. MRS Bulletin, 2006, 31, 507-512.	3.5	42
130	Spatial mutation of the T cell immunological synapse. Current Opinion in Chemical Biology, 2006, 10, 544-550.	6.1	23
131	A Fluid Membrane-Based Soluble Ligand-Display System for Live-Cell Assays. ChemBioChem, 2006, 7, 436-440.	2.6	35
132	Lipid Lateral Mobility and Membrane Phase Structure Modulation by Protein Binding. Journal of the American Chemical Society, 2006, 128, 15221-15227.	13.7	83
133	CHEMISTRY: Unveiling the Membrane Domains. Science, 2006, 313, 1901-1902.	12.6	7
134	Hydrodynamic Damping of Membrane Thermal Fluctuations near Surfaces Imaged by Fluorescence Interference Microscopy. Physical Review Letters, 2006, 96, 118101.	7.8	51
135	Many-Particle Tracking with Nanometer Resolution in Three Dimensions by Reflection Interference Contrast Microscopy. Langmuir, 2005, 21, 6430-6435.	3.5	22
136	Neuronal synapse interaction reconstituted between live cells and supported lipid bilayers. Nature Chemical Biology, 2005, 1, 283-289.	8.0	54
137	Molecular Organization and Signal Transduction at Intermembrane Junctions. Angewandte Chemie - International Edition, 2005, 44, 3524-3538.	13.8	26
138	Cell membrane array fabrication and assay technology. BMC Biotechnology, 2005, 5, 18.	3.3	52
139	Learning the Chemical Language of Cell-Surface Interactions. Science Signaling, 2005, 2005, pe45-pe45.	3.6	12
140	Neuronal Activation by GPI-Linked Neuroligin-1 Displayed in Synthetic Lipid Bilayer Membranes. Langmuir, 2005, 21, 10693-10698.	3.5	29
141	Formation and Spatio-Temporal Evolution of Periodic Structures in Lipid Bilayers. Journal of the American Chemical Society, 2005, 127, 36-37.	13.7	90
142	Lipid Mobility and Molecular Binding in Fluid Lipid Membranes. Journal of the American Chemical Society, 2005, 127, 2826-2827.	13.7	54
143	Altered TCR Signaling from Geometrically Repatterned Immunological Synapses. Science, 2005, 310, 1191-1193.	12.6	491
144	Colorimetric Bio-Barcode Amplification Assay for Cytokines. Analytical Chemistry, 2005, 77, 6985-6988.	6.5	120

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145	Phase Segregation on Different Length Scales in a Model Cell Membrane System. Journal of Physical Chemistry B, 2005, 109, 19960-19969.	2.6	40
146	Synthesis of Lipidated Green Fluorescent Protein and Its Incorporation in Supported Lipid Bilayers. Journal of the American Chemical Society, 2005, 127, 14383-14387.	13.7	65
147	Scanning Probe Lithography on Fluid Lipid Membranes. Journal of the American Chemical Society, 2004, 126, 13878-13879.	13.7	46
148	Protein patterns at lipid bilayer junctions. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 12798-12803.	7.1	49
149	Detection of molecular interactions at membrane surfaces through colloid phase transitions. Nature, 2004, 427, 139-141.	27.8	205
150	Optical Techniques for Imaging Membrane Topography. Cell Biochemistry and Biophysics, 2004, 41, 391-414.	1.8	52
151	Nonequilibrium Adhesion Patterns at Lipid Bilayer Junctions. Journal of Physical Chemistry B, 2004, 108, 649-657.	2.6	18
152	Structure and Dynamics of Supported Intermembrane Junctions. Biophysical Journal, 2004, 86, 905-912.	0.5	116
153	Supported planar bilayers in studies on immune cell adhesion and communication. Journal of Immunological Methods, 2003, 278, 19-32.	1.4	228
154	The Biomolecular Interface. Langmuir, 2003, 19, 1449-1450.	3.5	7
155	Electrostatically Targeted Intermembrane Lipid Exchange with Micropatterned Supported Membranesâ€. Langmuir, 2003, 19, 1606-1610.	3.5	53
156	Molecular topography imaging by intermembrane fluorescence resonance energy transfer. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 14147-14152.	7.1	41
157	Micropattern Formation in Supported Lipid Membranes. Accounts of Chemical Research, 2002, 35, 149-157.	15.6	341
158	Membrane array technology for drug discovery. Current Opinion in Drug Discovery & Development, 2002, 5, 606-12.	1.9	5
159	Topographical Imaging of an Intermembrane Junction by Combined Fluorescence Interference and Energy Transfer Microscopies. Journal of the American Chemical Society, 2001, 123, 12414-12415.	13.7	38
160	Control of Cell Adhesion and Growth with Micropatterned Supported Lipid Membranes. Langmuir, 2001, 17, 5129-5133.	3.5	126
161	Electric Field Effects in Multicomponent Fluid Lipid Membranes. Journal of Physical Chemistry B, 2000, 104, 119-124.	2.6	22
162	Lateral Reorganization of Fluid Lipid Membranes in Response to the Electric Field Produced by a Buried Charge. Journal of Physical Chemistry B, 2000, 104, 11409-11415.	2.6	23

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163	Writing and Erasing Barriers to Lateral Mobility into Fluid Phospholipid Bilayers. Langmuir, 1999, 15, 3893-3896.	3.5	106
164	Substrateâ˜Membrane Interactions:â€‰ Mechanisms for Imposing Patterns on a Fluid Bilayer Membrane. Langmuir, 1998, 14, 3347-3350.	3.5	146
165	Micropatterning fluid membranes. Advanced Materials, 1997, 9, 1121-1123.	21.0	2
166	Architecture and Function of Membrane Proteins in Planar Supported Bilayers:Â A Study with Photosynthetic Reaction Centersâ€. Biochemistry, 1996, 35, 14773-14781.	2.5	291