

Joshua Zimmerberg

List of Publications by Year in descending order

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176
papers

12,404
citations

25034

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all docs

184
docs citations

184
times ranked

11879
citing authors

#	ARTICLE	IF	CITATIONS
1	CD47 interactions with exportin-1 limit the targeting of m7G-modified RNAs to extracellular vesicles. <i>Journal of Cell Communication and Signaling</i> , 2022, 16, 397-419.	3.4	9
2	A high throughput screening assay for inhibitors of SARS-CoV-2 pseudotyped particle entry. <i>SLAS Discovery</i> , 2022, 27, 86-94.	2.7	16
3	Organelle arrangement in mature blood stage malaria parasites. <i>Biophysical Journal</i> , 2022, 121, 81a.	0.5	0
4	Unique Aggregation of Retroviral Particles Pseudotyped with the Delta Variant SARS-CoV-2 Spike Protein. <i>Viruses</i> , 2022, 14, 1024.	3.3	2
5	A Bimodal Nanosensor for Probing Influenza Fusion Protein Activity Using Magnetic Relaxation. <i>ACS Sensors</i> , 2021, 6, 1899-1909.	7.8	0
6	Designing antimalarials that break into cells to lock down parasites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, e2108103118.	7.1	1
7	Structural basis for placental malaria mediated by <i>Plasmodium falciparum</i> VAR2CSA. <i>Nature Microbiology</i> , 2021, 6, 380-391.	13.3	47
8	CD63+ and MHC Class I+ Subsets of Extracellular Vesicles Produced by Wild-Type and CD47-Deficient Jurkat T Cells Have Divergent Functional Effects on Endothelial Cell Gene Expression. <i>Biomedicines</i> , 2021, 9, 1705.	3.2	2
9	Monolayerwise application of linear elasticity theory well describes strongly deformed lipid membranes and the effect of solvent. <i>Soft Matter</i> , 2020, 16, 1179-1189.	2.7	14
10	Hardly Vacuous: The Parasitophorous Vacuolar Membrane of Malaria Parasites. <i>Trends in Parasitology</i> , 2020, 36, 138-146.	3.3	32
11	Ectodomain Pulling Combines with Fusion Peptide Inserting to Provide Cooperative Fusion for Influenza Virus and HIV. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5411.	4.1	5
12	Contacting domains segregate a lipid transporter from a solute transporter in the malarial host-parasite interface. <i>Nature Communications</i> , 2020, 11, 3825.	12.8	20
13	Identifying SARS-CoV-2 Entry Inhibitors through Drug Repurposing Screens of SARS-S and MERS-S Pseudotyped Particles. <i>ACS Pharmacology and Translational Science</i> , 2020, 3, 1165-1175.	4.9	94
14	Dye Transport through Bilayers Agrees with Lipid Electropore Molecular Dynamics. <i>Biophysical Journal</i> , 2020, 119, 1724-1734.	0.5	19
15	Effect of Lipid Structure and Material Properties on the Membrane Stability to Pore Formation. <i>Biophysical Journal</i> , 2020, 118, 390a.	0.5	0
16	Atomic Force Microscopy in the Study of Protein Self-Assembly. <i>Biophysical Journal</i> , 2020, 118, 200a.	0.5	0
17	Nanosecond Life Cycle of Biomembrane Electroporation: Experimental Validation of Molecular Model. <i>Biophysical Journal</i> , 2020, 118, 81a.	0.5	0
18	Deletion of <i>Plasmodium falciparum</i> Protein RON3 Affects the Functional Translocation of Exported Proteins and Glucose Uptake. <i>MBio</i> , 2019, 10, .	4.1	19

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19	Dynamic Relationship of the SNARE Complex with a Membrane. <i>Biophysical Journal</i> , 2019, 117, 627-630.	0.5	17
20	EXP1 is critical for nutrient uptake across the parasitophorous vacuole membrane of malaria parasites. <i>PLoS Biology</i> , 2019, 17, e3000473.	5.6	60
21	Response to Blast-like Shear Stresses Associated with Mild Blast-Induced Brain Injury. <i>Biophysical Journal</i> , 2019, 117, 1167-1178.	0.5	8
22	Malaria Parasites Break and Degrade Two Membranes to Egress from Human Erythrocyte. <i>Biophysical Journal</i> , 2019, 116, 218a.	0.5	0
23	Influenza Hemagglutinin Modulates Phosphatidylinositol 4,5-Bisphosphate Membrane Clustering. <i>Biophysical Journal</i> , 2019, 116, 893-909.	0.5	36
24	Title is missing!. , 2019, 17, e3000473.		0
25	Title is missing!. , 2019, 17, e3000473.		0
26	Title is missing!. , 2019, 17, e3000473.		0
27	Title is missing!. , 2019, 17, e3000473.		0
28	Title is missing!. , 2019, 17, e3000473.		0
29	Lipid-dependence of target membrane stability during influenza viral fusion. <i>Journal of Cell Science</i> , 2018, 132, .	2.0	32
30	Subcutaneous adipose tissue imaging of human obesity reveals two types of adipocyte membranes: Insulin-responsive and -nonresponsive. <i>Journal of Biological Chemistry</i> , 2018, 293, 14249-14259.	3.4	1
31	EXP2 is a nutrient-permeable channel in the vacuolar membrane of <i>Plasmodium</i> and is essential for protein export via PTEX. <i>Nature Microbiology</i> , 2018, 3, 1090-1098.	13.3	106
32	Rounding precedes rupture and breakdown of vacuolar membranes minutes before malaria parasite egress from erythrocytes. <i>Cellular Microbiology</i> , 2018, 20, e12868.	2.1	39
33	Adaptive optics improves multiphoton super-resolution imaging. <i>Nature Methods</i> , 2017, 14, 869-872.	19.0	97
34	Is the Site of Influenza Virus Assembly and Budding Enriched with Cholesterol and Sphingolipids?. <i>Biophysical Journal</i> , 2017, 112, 318a-319a.	0.5	0
35	Plasmepsins IX and X are essential and druggable mediators of malaria parasite egress and invasion. <i>Science</i> , 2017, 358, 518-522.	12.6	152
36	Exploitation of a newly-identified entry pathway into the malaria parasite-infected erythrocyte to inhibit parasite egress. <i>Scientific Reports</i> , 2017, 7, 12250.	3.3	23

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37	Palmitoylation Contributes to Membrane Curvature in Influenza A Virus Assembly and Hemagglutinin-Mediated Membrane Fusion. <i>Journal of Virology</i> , 2017, 91, .	3.4	55
38	Probing the lipid composition at the site of influenza virus assembly and budding with high-resolution SIMS. <i>FASEB Journal</i> , 2017, 31, 629.20.	0.5	0
39	Absence of the ER Cation Channel TMEM38B/TRIC-B Disrupts Intracellular Calcium Homeostasis and Dysregulates Collagen Synthesis in Recessive Osteogenesis Imperfecta. <i>PLoS Genetics</i> , 2016, 12, e1006156.	3.5	49
40	Protein-lipid interactions critical to replication of the influenza A virus. <i>FEBS Letters</i> , 2016, 590, 1940-1954.	2.8	36
41	Blast shockwaves propagate Ca ²⁺ activity via purinergic astrocyte networks in human central nervous system cells. <i>Scientific Reports</i> , 2016, 6, 25713.	3.3	26
42	The hemifusion structure induced by influenza virus haemagglutinin is determined by physical properties of the target membranes. <i>Nature Microbiology</i> , 2016, 1, 16050.	13.3	124
43	Calcium-Activated Potassium Channels in the Malaria Parasite Erythrocyte Cycle. <i>Biophysical Journal</i> , 2016, 110, 448a.	0.5	0
44	Human Adipose Cells In Vitro Are Either Refractory or Responsive to Insulin, Reflecting Host Metabolic State. <i>PLoS ONE</i> , 2015, 10, e0119291.	2.5	10
45	High-Resolution Imaging of the Distributions of Cholesterol, Sphingolipids, and Specific Proteins in the Plasma Membrane with Secondary Ion Mass Spectrometry. <i>Microscopy and Microanalysis</i> , 2015, 21, 2397-2398.	0.4	1
46	A Flexible Reporter System for Direct Observation and Isolation of Cancer Stem Cells. <i>Stem Cell Reports</i> , 2015, 4, 155-169.	4.8	110
47	Hemagglutinin Clusters in the Plasma Membrane Are Not Enriched with Cholesterol and Sphingolipids. <i>Biophysical Journal</i> , 2015, 108, 1652-1659.	0.5	48
48	Phase Behavior of Synaptosomal Membranes: The Effect of Lipid Composition and Temperature. <i>Biophysical Journal</i> , 2015, 108, 342a.	0.5	0
49	Perforin-like protein PPLP 2 permeabilizes the red blood cell membrane during egress of <i>Plasmodium falciparum</i> gametocytes. <i>Cellular Microbiology</i> , 2014, 16, 709-733.	2.1	106
50	Trapping by Clusters of Channels, Receptors, and Transporters: Quantitative Description. <i>Biophysical Journal</i> , 2014, 106, 500-509.	0.5	14
51	It's What's Inside that Matters. <i>Biophysical Journal</i> , 2014, 107, 5-7.	0.5	2
52	Hemoglobinopathic Erythrocytes Affect the Intraerythrocytic Multiplication of <i>Plasmodium falciparum</i> In Vitro. <i>Journal of Infectious Diseases</i> , 2014, 210, 1100-1109.	4.0	22
53	Cytoplasmic free Ca ²⁺ is essential for multiple steps in malaria parasite egress from infected erythrocytes. <i>Malaria Journal</i> , 2013, 12, 41.	2.3	46
54	Impaired Tethering and Fusion of GLUT4 Vesicles in Insulin-Resistant Human Adipose Cells. <i>Diabetes</i> , 2013, 62, 3114-3119.	0.6	32

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55	Sphingolipid Domains in the Plasma Membranes of Fibroblasts Are Not Enriched with Cholesterol. <i>Journal of Biological Chemistry</i> , 2013, 288, 16855-16861.	3.4	129
56	Curvature Stimulates Assembly of Gag Shell through Distinct Fluid-Like Intermediate. <i>Biophysical Journal</i> , 2013, 104, 416a-417a.	0.5	0
57	Free Ca ²⁺ Initiates and Regulates Malaria Parasite Egress Program in Infected Erythrocytes. <i>Biophysical Journal</i> , 2013, 104, 41a.	0.5	0
58	Direct chemical evidence for sphingolipid domains in the plasma membranes of fibroblasts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E613-22.	7.1	184
59	Actin Mediates the Nanoscale Membrane Organization of the Clustered Membrane Protein Influenza Hemagglutinin. <i>Biophysical Journal</i> , 2013, 104, 2182-2192.	0.5	100
60	Thermodynamics of interleaflet cavitation in lipid bilayer membranes. <i>Physical Review E</i> , 2013, 87, 022715.	2.1	2
61	Geometric Catalysis of Membrane Fission Driven by Flexible Dynamin Rings. <i>Science</i> , 2013, 339, 1433-1436.	12.6	123
62	Insulin Regulates Glut4 Confinement in Plasma Membrane Clusters in Adipose Cells. <i>PLoS ONE</i> , 2013, 8, e57559.	2.5	39
63	Insulin Stimulates Translocation of Human GLUT4 to the Membrane in Fat Bodies of Transgenic <i>Drosophila melanogaster</i> . <i>PLoS ONE</i> , 2013, 8, e77953.	2.5	15
64	Mechanisms of non-random sphingolipid organization in the plasma membranes of fibroblast cells. <i>FASEB Journal</i> , 2013, 27, 1023.2.	0.5	0
65	Abstract 66: SR-BI Mediates Cholesteryl Ester (CE) Sorting in Tetraspanin Microdomains with CD81 Facilitating CE Nano-endocytosis and CE Transport to Lipid Droplets. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, .	2.4	0
66	Communication: Clusters of absorbing disks on a reflecting wall: Competition for diffusing particles. <i>Journal of Chemical Physics</i> , 2012, 136, 211102.	3.0	12
67	Observations of calcium dynamics in cortical secretory vesicles. <i>Cell Calcium</i> , 2012, 52, 217-225.	2.4	9
68	A Negative Stain for Electron Microscopic Tomography. <i>Microscopy and Microanalysis</i> , 2012, 18, 331-335.	0.4	10
69	GREG cells, a dysferlin-deficient myogenic mouse cell line. <i>Experimental Cell Research</i> , 2012, 318, 127-135.	2.6	11
70	Shear Forces during Blast, Not Abrupt Changes in Pressure Alone, Generate Calcium Activity in Human Brain Cells. <i>PLoS ONE</i> , 2012, 7, e39421.	2.5	44
71	Functional Role for Transporter Isoforms in Optimizing Membrane Transport. <i>Biophysical Journal</i> , 2011, 101, L14-L16.	0.5	4
72	Elongated Membrane Zones Boost Interactions of Diffusing Proteins. <i>Cell</i> , 2011, 146, 501-503.	28.9	3

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73	Long, Saturated Chains: Tasty Domains for Kinases of Insulin Resistance. <i>Developmental Cell</i> , 2011, 21, 604-606.	7.0	2
74	Isolation and Ultrastructural Characterization of Squid Synaptic Vesicles. <i>Biological Bulletin</i> , 2011, 220, 89-96.	1.8	5
75	Lipid Polymorphisms and Membrane Shape. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011, 3, a004747-a004747.	5.5	152
76	New Stages in the Program of Malaria Parasite Egress Imaged in Normal and Sickle Erythrocytes. <i>Current Biology</i> , 2010, 20, 1117-1121.	3.9	66
77	Cooperative elastic stresses, the hydrophobic effect, and lipid tilt in membrane remodeling. <i>FEBS Letters</i> , 2010, 584, 1824-1829.	2.8	31
78	Insulin Controls the Spatial Distribution of GLUT4 on the Cell Surface through Regulation of Its Postfusion Dispersal. <i>Cell Metabolism</i> , 2010, 12, 250-259.	16.2	78
79	Insulin Regulates Fusion of GLUT4 Vesicles Independent of Exo70-mediated Tethering. <i>Journal of Biological Chemistry</i> , 2009, 284, 7914-7919.	3.4	31
80	Cytotoxicity Mediated by the Fas Ligand (FasL)-activated Apoptotic Pathway in Stem Cells. <i>Journal of Biological Chemistry</i> , 2009, 284, 22022-22028.	3.4	37
81	Domain-Driven Morphogenesis of Cellular Membranes. <i>Current Biology</i> , 2009, 19, R772-R780.	3.9	33
82	A score for membrane fusion. <i>Nature</i> , 2009, 459, 1065-1066.	27.8	3
83	Shaping biological matter. <i>Nature Materials</i> , 2009, 8, 173-174.	27.5	4
84	Nanoscale 3D cellular imaging by axial scanning transmission electron tomography. <i>Nature Methods</i> , 2009, 6, 729-731.	19.0	160
85	Irreversible effect of cysteine protease inhibitors on the release of malaria parasites from infected erythrocytes. <i>Cellular Microbiology</i> , 2009, 11, 95-105.	2.1	61
86	An adhesion-based method for plasma membrane isolation: Evaluating cholesterol extraction from cells and their membranes. <i>Analytical Biochemistry</i> , 2009, 394, 171-176.	2.4	29
87	Reconstitution of Membrane Budding with Unilamellar Vesicles. <i>Methods in Enzymology</i> , 2009, 464, 55-75.	1.0	3
88	Progressive ordering with decreasing temperature of the phospholipids of influenza virus. <i>Nature Chemical Biology</i> , 2008, 4, 248-255.	8.0	197
89	ER Biogenesis: Self-Assembly of Tubular Topology by Protein Hairpins. <i>Current Biology</i> , 2008, 18, R474-R476.	3.9	12
90	Initial size and dynamics of viral fusion pores are a function of the fusion protein mediating membrane fusion. <i>Biology of the Cell</i> , 2008, 100, 377-386.	2.0	12

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91	Flexible Scaffolding Made of Rigid BARs. <i>Cell</i> , 2008, 132, 727-729.	28.9	6
92	GTPase Cycle of Dynamin Is Coupled to Membrane Squeeze and Release, Leading to Spontaneous Fission. <i>Cell</i> , 2008, 135, 1276-1286.	28.9	269
93	Cholesterol Promotes Hemifusion and Pore Widening in Membrane Fusion Induced by Influenza Hemagglutinin. <i>Journal of General Physiology</i> , 2008, 131, 503-513.	1.9	73
94	Domain formation in membranes caused by lipid wetting of protein. <i>Physical Review E</i> , 2008, 77, 051901.	2.1	31
95	Dynamic clustered distribution of hemagglutinin resolved at 40 nm in living cell membranes discriminates between raft theories. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 17370-17375.	7.1	353
96	Vesicle formation by self-assembly of membrane-bound matrix proteins into a fluidlike budding domain. <i>Journal of Cell Biology</i> , 2007, 179, 627-633.	5.2	53
97	Quantification of malaria parasite release from infected erythrocytes: inhibition by protein-free media. <i>Malaria Journal</i> , 2007, 6, 61.	2.3	18
98	Cell-Cell and Cell-Extracellular Matrix Interactions Regulate Embryonic Stem Cell Differentiation. <i>Stem Cells</i> , 2007, 25, 553-561.	3.2	161
99	SNARE-Mediated Lipid Mixing Depends on the Physical State of the Vesicles. <i>Biophysical Journal</i> , 2006, 90, 2062-2074.	0.5	133
100	Paradoxical Lipid Dependence of Pores Formed by the Escherichia coli α -Hemolysin in Planar Phospholipid Bilayer Membranes. <i>Biophysical Journal</i> , 2006, 91, 3748-3755.	0.5	35
101	Membranes of the world unite!. <i>Journal of Cell Biology</i> , 2006, 175, 201-207.	5.2	198
102	The physical chemistry of biological membranes. , 2006, 2, 564-567.		85
103	How proteins produce cellular membrane curvature. <i>Nature Reviews Molecular Cell Biology</i> , 2006, 7, 9-19.	37.0	1,130
104	Synaptotagmin: fusogenic role for calcium sensor?. <i>Nature Structural and Molecular Biology</i> , 2006, 13, 301-303.	8.2	32
105	Membrane biophysics. <i>Current Biology</i> , 2006, 16, R272-R276.	3.9	30
106	Cellular Biophysics: Bacterial Endospore, Membranes and Random Fluctuation. <i>Current Biology</i> , 2006, 16, R1025-R1028.	3.9	8
107	Studying Spatial Distributions of Influenza Hemagglutinin on the Plasma Membrane of Fibroblasts: A Work in Progress. <i>Macromolecular Symposia</i> , 2005, 219, 17-24.	0.7	1
108	Membrane Transformation during Malaria Parasite Release from Human Red Blood Cells. <i>Current Biology</i> , 2005, 15, 1645-1650.	3.9	137

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109	NEUROSCIENCE: Enhanced: Synaptic Membranes Bend to the Will of a Neurotoxin. <i>Science</i> , 2005, 310, 1626-1627.	12.6	30
110	Quantitative electron microscopy and fluorescence spectroscopy of the membrane distribution of influenza hemagglutinin. <i>Journal of Cell Biology</i> , 2005, 169, 965-976.	5.2	104
111	Invasion of Human Tissue Ex Vivo by <i>Borrelia burgdorferi</i> . <i>Journal of Infectious Diseases</i> , 2005, 191, 1747-1754.	4.0	34
112	Insulin stimulates the halting, tethering, and fusion of mobile GLUT4 vesicles in rat adipose cells. <i>Journal of Cell Biology</i> , 2005, 169, 481-489.	5.2	158
113	Line Tension and Interaction Energies of Membrane Rafts Calculated from Lipid Splay and Tilt. <i>Biophysical Journal</i> , 2005, 88, 1120-1133.	0.5	295
114	Membrane fusion of secretory vesicles of the sea urchin egg in the absence of NSF. <i>Journal of Cell Science</i> , 2004, 117, 2345-2356.	2.0	17
115	Shape control through molecular segregation in giant surfactant aggregates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 15082-15087.	7.1	121
116	Proapoptotic N-truncated BCL-xL protein activates endogenous mitochondrial channels in living synaptic terminals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 13590-13595.	7.1	95
117	Membrane Curvature: How BAR Domains Bend Bilayers. <i>Current Biology</i> , 2004, 14, R250-R252.	3.9	167
118	Dynamics of putative raft-associated proteins at the cell surface. <i>Journal of Cell Biology</i> , 2004, 165, 735-746.	5.2	432
119	Orientation and Interaction of Oblique Cylindrical Inclusions Embedded in a Lipid Monolayer: A Theoretical Model for Viral Fusion Peptides. <i>Biophysical Journal</i> , 2004, 87, 999-1012.	0.5	28
120	Multilineage Differentiation of Rhesus Monkey Embryonic Stem Cells in Three-Dimensional Culture Systems. <i>Stem Cells</i> , 2003, 21, 281-295.	3.2	81
121	Large-Scale Production of Pseudotyped Lentiviral Vectors Using Baculovirus GP64. <i>Human Gene Therapy</i> , 2003, 14, 67-77.	2.7	71
122	Regulated secretion: SNARE density, vesicle fusion and calcium dependence. <i>Journal of Cell Science</i> , 2003, 116, 2087-2097.	2.0	55
123	Shape bistability of a membrane neck: A toggle switch to control vesicle content release. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 8698-8703.	7.1	53
124	Bax-type Apoptotic Proteins Porate Pure Lipid Bilayers through a Mechanism Sensitive to Intrinsic Monolayer Curvature. <i>Journal of Biological Chemistry</i> , 2002, 277, 49360-49365.	3.4	210
125	Interaction of hagfish cathelicidin antimicrobial peptides with model lipid membranes. <i>FEBS Letters</i> , 2002, 532, 115-120.	2.8	45
126	Endocytosis: Curvature to the ENTH Degree. <i>Current Biology</i> , 2002, 12, R770-R772.	3.9	28

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127	De novo sequencing of peptides using MALDI/TOF-TOF. <i>Journal of the American Society for Mass Spectrometry</i> , 2002, 13, 784-791.	2.8	189
128	Quantitative femto- to attomole immunodetection of regulated secretory vesicle proteins critical to exocytosis. <i>Analytical Biochemistry</i> , 2002, 307, 54-62.	2.4	57
129	Reversible stages of the low-pH-triggered conformational change in influenza virus hemagglutinin. <i>EMBO Journal</i> , 2002, 21, 5701-5710.	7.8	59
130	Antimycin A mimics a cell-death-inducing Bcl-2 homology domain 3. <i>Nature Cell Biology</i> , 2001, 3, 183-191.	10.3	436
131	How can proteolipids be central players in membrane fusion?. <i>Trends in Cell Biology</i> , 2001, 11, 233-235.	7.9	37
132	Implications of lipid microdomains for membrane curvature, budding and fission. <i>Current Opinion in Cell Biology</i> , 2001, 13, 478-484.	5.4	221
133	A Kinetic Analysis of Calcium-Triggered Exocytosis. <i>Journal of General Physiology</i> , 2001, 118, 145-156.	1.9	29
134	Synchronized activation and refolding of influenza hemagglutinin in multimeric fusion machines. <i>Journal of Cell Biology</i> , 2001, 155, 833-844.	5.2	83
135	HIV and Apoptosis. <i>Journal of Experimental Medicine</i> , 2001, 193, F11-F14.	8.5	18
136	Pro-apoptotic Cleavage Products of Bcl-xL Form Cytochrome c-conducting Pores in Pure Lipid Membranes. <i>Journal of Biological Chemistry</i> , 2001, 276, 31083-31091.	3.4	134
137	Are The Curves in all the Right Places?. <i>Traffic</i> , 2000, 1, 366-369.	2.7	27
138	Multiple Local Contact Sites are Induced by GPI-Linked Influenza Hemagglutinin During Hemifusion and Flickering Pore Formation. <i>Traffic</i> , 2000, 1, 622-630.	2.7	58
139	A voltage-dependent channel involved in nutrient uptake by red blood cells infected with the malaria parasite. <i>Nature</i> , 2000, 406, 1001-1005.	27.8	240
140	The Anti-Influenza Virus Agent 4-GU-DANA (Zanamivir) Inhibits Cell Fusion Mediated by Human Parainfluenza Virus and Influenza Virus HA. <i>Journal of Virology</i> , 2000, 74, 11108-11114.	3.4	74
141	Dynamics of Fusion Pores Connecting Membranes of Different Tensions. <i>Biophysical Journal</i> , 2000, 78, 2241-2256.	0.5	76
142	A Discrete Stage of Baculovirus GP64-mediated Membrane Fusion. <i>Molecular Biology of the Cell</i> , 1999, 10, 4191-4200.	2.1	49
143	Sea urchin egg preparations as systems for the study of calcium-triggered exocytosis. <i>Journal of Physiology</i> , 1999, 520, 15-21.	2.9	26
144	An Analysis of the Role of the Target Membrane on the Gp64-induced Fusion Pore. <i>Virology</i> , 1999, 253, 65-76.	2.4	51

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145	Membrane fusion. <i>Advanced Drug Delivery Reviews</i> , 1999, 38, 197-205.	13.7	121
146	Calcium-induced fusion of sea urchin egg secretory vesicles with planar phospholipid bilayer membranes. <i>Molecular Membrane Biology</i> , 1999, 16, 89-94.	2.0	13
147	Short-Chain Alcohols Promote an Early Stage of Membrane Hemifusion. <i>Biophysical Journal</i> , 1999, 77, 2035-2045.	0.5	41
148	Lipid Flow through Fusion Pores Connecting Membranes of Different Tensions. <i>Biophysical Journal</i> , 1999, 76, 2951-2965.	0.5	50
149	Evidence for the HIV-1 phenotype switch as a causal factor in acquired immunodeficiency. <i>Nature Medicine</i> , 1998, 4, 346-349.	30.7	131
150	Fusion Pore Conductance: Experimental Approaches and Theoretical Algorithms. <i>Biophysical Journal</i> , 1998, 74, 2374-2387.	0.5	23
151	Submaximal Responses in Calcium-triggered Exocytosis Are Explained by Differences in the Calcium Sensitivity of Individual Secretory Vesicles. <i>Journal of General Physiology</i> , 1998, 112, 559-567.	1.9	53
152	The Calcium Sensitivity of Individual Secretory Vesicles Is Invariant with the Rate of Calcium Delivery. <i>Journal of General Physiology</i> , 1998, 112, 569-576.	1.9	14
153	Biochemical and Functional Studies of Cortical Vesicle Fusion: The SNARE Complex and Ca ²⁺ Sensitivity. <i>Journal of Cell Biology</i> , 1998, 143, 1845-1857.	5.2	146
154	Calcium Can Disrupt the SNARE Protein Complex on Sea Urchin Egg Secretory Vesicles without Irreversibly Blocking Fusion. <i>Journal of Biological Chemistry</i> , 1998, 273, 33667-33673.	3.4	85
155	The Pathway of Membrane Fusion Catalyzed by Influenza Hemagglutinin: Restriction of Lipids, Hemifusion, and Lipidic Fusion Pore Formation. <i>Journal of Cell Biology</i> , 1998, 140, 1369-1382.	5.2	358
156	An Early Stage of Membrane Fusion Mediated by the Low pH Conformation of Influenza Hemagglutinin Depends upon Membrane Lipids. <i>Journal of Cell Biology</i> , 1997, 136, 81-93.	5.2	206
157	Lymphocyte Trafficking and HIV Infection of Human Lymphoid Tissue in a Rotating Wall Vessel Bioreactor. <i>AIDS Research and Human Retroviruses</i> , 1997, 13, 1411-1420.	1.1	36
158	Experimental HIV Infection of Human Lymphoid Tissue: Correlation of CD4 ⁺ T Cell Depletion and Virus Syncytium-Inducing/Non-Syncytium-Inducing Phenotype in Histocultures Inoculated with Laboratory Strains and Patient Isolates of HIV Type 1. <i>AIDS Research and Human Retroviruses</i> , 1997, 13, 461-471.	1.1	96
159	Infection of human tonsil histocultures: A model for HIV pathogenesis. <i>Nature Medicine</i> , 1995, 1, 1320-1322.	30.7	176
160	Syncytium Formation in Cultured Human Lymphoid Tissue: Fusion of Implanted HIV Glycoprotein 120/41-Expressing Cells with Native CD4 ⁺ Cells. <i>AIDS Research and Human Retroviruses</i> , 1995, 11, 697-704.	1.1	10
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