

Fred Maxfield

List of Publications by Year in descending order

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266
papers

32,310
citations

2802

94
h-index

4432

172
g-index

299
all docs

299
docs citations

299
times ranked

24355
citing authors

#	ARTICLE	IF	CITATIONS
1	Endocytic recycling. <i>Nature Reviews Molecular Cell Biology</i> , 2004, 5, 121-132.	37.0	1,657
2	Endocytosis. <i>Physiological Reviews</i> , 1997, 77, 759-803.	28.8	1,362
3	Role of cholesterol and lipid organization in disease. <i>Nature</i> , 2005, 438, 612-621.	27.8	1,102
4	Rapid acidification of endocytic vesicles containing β 2-macroglobulin. <i>Cell</i> , 1982, 28, 643-651.	28.9	698
5	Microglial Cells Internalize Aggregates of the Alzheimer's Disease Amyloid β 2-Protein Via a Scavenger Receptor. <i>Neuron</i> , 1996, 17, 553-565.	8.1	633
6	Dansylcadaverine inhibits internalization of 125I-epidermal growth factor in BALB 3T3 cells. <i>Journal of Biological Chemistry</i> , 1980, 255, 1239-41.	3.4	615
7	Membrane transport in the endocytic pathway. <i>Current Opinion in Cell Biology</i> , 1995, 7, 552-563.	5.4	613
8	Weak bases and ionophores rapidly and reversibly raise the pH of endocytic vesicles in cultured mouse fibroblasts.. <i>Journal of Cell Biology</i> , 1982, 95, 676-681.	5.2	581
9	Transglutaminase is essential in receptor-mediated endocytosis of β 2-macroglobulin and polypeptide hormones. <i>Nature</i> , 1980, 283, 162-167.	27.8	578
10	Segregation of transferrin to a mildly acidic (pH 6.5) para-golgi compartment in the recycling pathway. <i>Cell</i> , 1984, 37, 789-800.	28.9	566
11	Ca ²⁺ - and calcineurin-dependent recycling of an integrin to the front of migrating neutrophils. <i>Nature</i> , 1995, 377, 75-79.	27.8	523
12	Sequestration of GPI-Anchored Proteins in Caveolae Triggered by Cross-Linking. <i>Science</i> , 1994, 264, 1948-1951.	12.6	500
13	Sorting of membrane components from endosomes and subsequent recycling to the cell surface occurs by a bulk flow process.. <i>Journal of Cell Biology</i> , 1993, 121, 1257-1269.	5.2	482
14	<i>Legionella pneumophila</i> inhibits acidification of its phagosome in human monocytes.. <i>Journal of Cell Biology</i> , 1984, 99, 1936-1943.	5.2	407
15	Collection of insulin, EGF and β 2-Macroglobulin in the same patches on the surface of cultured fibroblasts and common internalization. <i>Cell</i> , 1978, 14, 805-810.	28.9	382
16	MEMBRANE DOMAINS. <i>Annual Review of Cell and Developmental Biology</i> , 2004, 20, 839-866.	9.4	381
17	Endocytic Sorting of Lipid Analogues Differing Solely in the Chemistry of Their Hydrophobic Tails. <i>Journal of Cell Biology</i> , 1999, 144, 1271-1284.	5.2	359
18	Transport from late endosomes to lysosomes, but not sorting of integral membrane proteins in endosomes, depends on the vacuolar proton pump.. <i>Journal of Cell Biology</i> , 1995, 130, 821-834.	5.2	323

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19	Cholesterol Distribution in Living Cells: Fluorescence Imaging Using Dehydroergosterol as a Fluorescent Cholesterol Analog. <i>Biophysical Journal</i> , 1998, 75, 1915-1925.	0.5	311
20	Iterative fractionation of recycling receptors from lysosomally destined ligands in an early sorting endosome.. <i>Journal of Cell Biology</i> , 1989, 109, 3303-3314.	5.2	308
21	Cholesterol, the central lipid of mammalian cells. <i>Current Opinion in Cell Biology</i> , 2010, 22, 422-429.	5.4	306
22	Insolubility and redistribution of GPI-anchored proteins at the cell surface after detergent treatment.. <i>Molecular Biology of the Cell</i> , 1995, 6, 929-944.	2.1	290
23	Cholesterol-dependent retention of GPI-anchored proteins in endosomes. <i>EMBO Journal</i> , 1998, 17, 4626-4638.	7.8	289
24	Targeted recycling of PECAM from endothelial surface-connected compartments during diapedesis. <i>Nature</i> , 2003, 421, 748-753.	27.8	289
25	Colonic organoids derived from human induced pluripotent stem cells for modeling colorectal cancer and drug testing. <i>Nature Medicine</i> , 2017, 23, 878-884.	30.7	285
26	Vesicular and Non-vesicular Sterol Transport in Living Cells. <i>Journal of Biological Chemistry</i> , 2002, 277, 609-617.	3.4	269
27	Plasma membrane microdomains. <i>Current Opinion in Cell Biology</i> , 2002, 14, 483-487.	5.4	265
28	Cholesterol depletion induces large scale domain segregation in living cell membranes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 13072-13077.	7.1	263
29	Transient increases in cytosolic free calcium appear to be required for the migration of adherent human neutrophils [published erratum appears in <i>J Cell Biol</i> 1990 Mar;110(3):861]. <i>Journal of Cell Biology</i> , 1990, 110, 43-52.	5.2	257
30	Intracellular cholesterol transport. <i>Journal of Clinical Investigation</i> , 2002, 110, 891-898.	8.2	254
31	Amines inhibit the clustering of β_2 -macroglobulin and EGF on the fibroblast cell surface. <i>Nature</i> , 1979, 277, 661-663.	27.8	250
32	Mitochondrial Fission Promotes the Continued Clearance of Apoptotic Cells by Macrophages. <i>Cell</i> , 2017, 171, 331-345.e22.	28.9	249
33	Enrichment of Endoplasmic Reticulum with Cholesterol Inhibits Sarcoplasmic-Endoplasmic Reticulum Calcium ATPase-2b Activity in Parallel with Increased Order of Membrane Lipids. <i>Journal of Biological Chemistry</i> , 2004, 279, 37030-37039.	3.4	244
34	Slow Degradation of Aggregates of the Alzheimer's Disease Amyloid β -Protein by Microglial Cells. <i>Journal of Biological Chemistry</i> , 1997, 272, 29390-29397.	3.4	236
35	alpha 2 Macroglobulin binding to the plasma membrane of cultured fibroblasts. Diffuse binding followed by clustering in coated regions.. <i>Journal of Cell Biology</i> , 1979, 82, 614-625.	5.2	235
36	An Endocytosed TGN38 Chimeric Protein Is Delivered to the TGN after Trafficking through the Endocytic Recycling Compartment in CHO Cells. <i>Journal of Cell Biology</i> , 1998, 142, 923-936.	5.2	235

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37	Rme-1 regulates the distribution and function of the endocytic recycling compartment in mammalian cells. <i>Nature Cell Biology</i> , 2001, 3, 567-572.	10.3	234
38	Endocytosis of beta-cyclodextrins is responsible for cholesterol reduction in Niemann-Pick type C mutant cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 5477-5482.	7.1	229
39	Role of Membrane Organization and Membrane Domains in Endocytic Lipid Trafficking. <i>Traffic</i> , 2000, 1, 203-211.	2.7	216
40	Activation of Microglia Acidifies Lysosomes and Leads to Degradation of Alzheimer Amyloid Fibrils. <i>Molecular Biology of the Cell</i> , 2007, 18, 1490-1496.	2.1	212
41	Intracellular sterol dynamics. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2009, 1791, 636-645.	2.4	210
42	Characterization of Rapid Membrane Internalization and Recycling. <i>Journal of Biological Chemistry</i> , 2000, 275, 15279-15286.	3.4	209
43	Niemann-Pick type C disease: molecular mechanisms and potential therapeutic approaches. <i>Journal of Neurochemistry</i> , 2011, 116, 789-795.	3.9	205
44	Acidification of endocytic vesicles by an ATP-dependent proton pump.. <i>Journal of Cell Biology</i> , 1983, 97, 929-934.	5.2	204
45	Analysis of Cholesterol Trafficking with Fluorescent Probes. <i>Methods in Cell Biology</i> , 2012, 108, 367-393.	1.1	203
46	Metabolically Activated Adipose Tissue Macrophages Perform Detrimental and Beneficial Functions during Diet-Induced Obesity. <i>Cell Reports</i> , 2017, 20, 3149-3161.	6.4	201
47	Functional expression of the human transferrin receptor cDNA in Chinese hamster ovary cells deficient in endogenous transferrin receptor.. <i>Journal of Cell Biology</i> , 1987, 105, 207-214.	5.2	196
48	Inhibition of neutrophil chemokinesis on vitronectin by inhibitors of calcineurin. <i>Science</i> , 1992, 258, 296-299.	12.6	196
49	Sphingomyelinase Treatment Induces ATP-independent Endocytosis. <i>Journal of Cell Biology</i> , 1998, 140, 39-47.	5.2	196
50	Chimeric Forms of Furin and Tgn38 Are Transported from the Plasma Membrane to the Trans-Golgi Network via Distinct Endosomal Pathways. <i>Journal of Cell Biology</i> , 1999, 146, 345-360.	5.2	194
51	Uptake, Degradation, and Release of Fibrillar and Soluble Forms of Alzheimer's Amyloid β -Peptide by Microglial Cells. <i>Journal of Biological Chemistry</i> , 1999, 274, 32301-32308.	3.4	191
52	The Inhibitory Effect of (β)-Epigallocatechin Gallate on Activation of the Epidermal Growth Factor Receptor Is Associated with Altered Lipid Order in HT29 Colon Cancer Cells. <i>Cancer Research</i> , 2007, 67, 6493-6501.	0.9	189
53	Microinjection of Ca^{++} -calmodulin causes a localized depolymerization of microtubules.. <i>Journal of Cell Biology</i> , 1983, 97, 1918-1924.	5.2	183
54	Histone deacetylase inhibitor treatment dramatically reduces cholesterol accumulation in Niemann-Pick type C1 mutant human fibroblasts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 5620-5625.	7.1	175

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55	Sterols Are Mainly in the Cytoplasmic Leaflet of the Plasma Membrane and the Endocytic Recycling Compartment in CHO Cells. <i>Molecular Biology of the Cell</i> , 2009, 20, 581-588.	2.1	173
56	Delivery of ligands from sorting endosomes to late endosomes occurs by maturation of sorting endosomes. <i>Journal of Cell Biology</i> , 1992, 117, 301-310.	5.2	170
57	Lipid and cholesterol trafficking in NPC. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2004, 1685, 28-37.	2.4	167
58	Local cytoplasmic calcium gradients in living mitotic cells. <i>Nature</i> , 1985, 316, 848-850.	27.8	161
59	Distribution and Transport of Cholesterol in <i>Caenorhabditis elegans</i> . <i>Molecular Biology of the Cell</i> , 2001, 12, 1725-1736.	2.1	160
60	Bafilomycin A1 Treatment Retards Transferrin Receptor Recycling More than Bulk Membrane Recycling. <i>Journal of Biological Chemistry</i> , 1997, 272, 13929-13936.	3.4	156
61	Rapid acidification of endocytic vesicles containing asialoglycoprotein in cells of a human hepatoma line.. <i>Journal of Cell Biology</i> , 1983, 97, 1762-1776.	5.2	155
62	Oligomerized transferrin receptors are selectively retained by a luminal sorting signal in a long-lived endocytic recycling compartment.. <i>Journal of Cell Biology</i> , 1995, 129, 1509-1522.	5.2	142
63	Receptor-mediated uptake of 3,3',5-triiodo-L-thyronine by cultured fibroblasts.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1980, 77, 3425-3429.	7.1	138
64	Oriented endocytic recycling of β_2 in motile neutrophils. <i>Blood</i> , 2000, 95, 2471-2480.	1.4	137
65	Membrane Lipid Organization Is Critical for Human Neutrophil Polarization. <i>Journal of Biological Chemistry</i> , 2003, 278, 10831-10841.	3.4	137
66	Human transferrin receptor internalization is partially dependent upon an aromatic amino acid on the cytoplasmic domain.. <i>Molecular Biology of the Cell</i> , 1990, 1, 369-377.	6.5	136
67	Intracellular cholesterol transport. <i>Journal of Clinical Investigation</i> , 2002, 110, 891-898.	8.2	136
68	Export from Pericentriolar Endocytic Recycling Compartment to Cell Surface Depends on Stable, Detyrosinated (Glu) Microtubules and Kinesin. <i>Molecular Biology of the Cell</i> , 2002, 13, 96-109.	2.1	129
69	Acidification of endocytic compartments and the intracellular pathways of ligands and receptors. <i>Journal of Cellular Biochemistry</i> , 1984, 26, 231-246.	2.6	125
70	Status of empirical methods for the prediction of protein backbone topography. <i>Biochemistry</i> , 1976, 15, 5138-5153.	2.5	123
71	Endocytosed beta-VLDL and LDL are delivered to different intracellular vesicles in mouse peritoneal macrophages.. <i>Journal of Cell Biology</i> , 1990, 111, 929-940.	5.2	123
72	Cholesterol and matrisome pathways dysregulated in astrocytes and microglia. <i>Cell</i> , 2022, 185, 2213-2233.e25.	28.9	123

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73	Intracellular sterol transport and distribution. <i>Current Opinion in Cell Biology</i> , 2006, 18, 379-385.	5.4	120
74	Acidification of morphologically distinct endosomes in mutant and wild-type Chinese hamster ovary cells.. <i>Journal of Cell Biology</i> , 1987, 105, 2723-2733.	5.2	118
75	Cytosolic free calcium increases before and oscillates during frustrated phagocytosis in macrophages.. <i>Journal of Cell Biology</i> , 1987, 105, 2685-2693.	5.2	116
76	The Distal Pathway of Lipoprotein-induced Cholesterol Esterification, but Not Sphingomyelinase-induced Cholesterol Esterification, Is Energy-dependent. <i>Journal of Biological Chemistry</i> , 1996, 271, 13392-13400.	3.4	116
77	Cytoskeleton-dependent Membrane Domain Segregation during Neutrophil Polarization. <i>Molecular Biology of the Cell</i> , 2001, 12, 3550-3562.	2.1	115
78	Early Events in Phagosome Establishment Are Required for Intracellular Survival of <i>Legionella pneumophila</i> . <i>Infection and Immunity</i> , 1998, 66, 4450-4460.	2.2	114
79	Fusion accessibility of endocytic compartments along the recycling and lysosomal endocytic pathways in intact cells.. <i>Journal of Cell Biology</i> , 1989, 109, 2097-2104.	5.2	113
80	Stearoyl-CoA Desaturase Inhibits ATP-binding Cassette Transporter A1-mediated Cholesterol Efflux and Modulates Membrane Domain Structure. <i>Journal of Biological Chemistry</i> , 2003, 278, 5813-5820.	3.4	113
81	Presecretory oxidation, aggregation, and autophagic destruction of apoprotein-B: A pathway for late-stage quality control. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 5862-5867.	7.1	113
82	Attachment to fibronectin or vitronectin makes human neutrophil migration sensitive to alterations in cytosolic free calcium concentration.. <i>Journal of Cell Biology</i> , 1991, 112, 149-158.	5.2	112
83	Dynamic imaging of neutrophil migration in three dimensions: mechanical interactions between cells and matrix. <i>Journal of Leukocyte Biology</i> , 1997, 61, 188-200.	3.3	112
84	Spreading of human neutrophils is immediately preceded by a large increase in cytoplasmic free calcium.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1986, 83, 2919-2923.	7.1	110
85	Evidence for nonvectorial, retrograde transferrin trafficking in the early endosomes of HEp2 cells.. <i>Journal of Cell Biology</i> , 1995, 128, 549-561.	5.2	110
86	Endocytosed Cation-Independent Mannose 6-Phosphate Receptor Traffics via the Endocytic Recycling Compartment en Route to the trans-Golgi Network and a Subpopulation of Late Endosomes. <i>Molecular Biology of the Cell</i> , 2004, 15, 721-733.	2.1	109
87	Applications of ratio fluorescence microscopy in the study of cell physiology. <i>FASEB Journal</i> , 1994, 8, 573-582.	0.5	108
88	STARD4 abundance regulates sterol transport and sensing. <i>Molecular Biology of the Cell</i> , 2011, 22, 4004-4015.	2.1	108
89	Therapeutic targeting of oxygen-sensing prolyl hydroxylases abrogates ATF4-dependent neuronal death and improves outcomes after brain hemorrhage in several rodent models. <i>Science Translational Medicine</i> , 2016, 8, 328ra29.	12.4	106
90	Kinetics of endosome acidification in mutant and wild-type Chinese hamster ovary cells.. <i>Journal of Cell Biology</i> , 1987, 105, 2713-2721.	5.2	104

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91	Macrophages Create an Acidic Extracellular Hydrolytic Compartment to Digest Aggregated Lipoproteins. <i>Molecular Biology of the Cell</i> , 2009, 20, 4932-4940.	2.1	104
92	Preparation of solutions with free calcium concentration in the nanomolar range using 1,2-bis(o-aminophenoxy)ethane-N,N,Nâ€²,Nâ€²-tetraacetic acid. <i>Analytical Biochemistry</i> , 1991, 193, 61-71.	2.4	103
93	Rapid Nonvesicular Transport of Sterol between the Plasma Membrane Domains of Polarized Hepatic Cells. <i>Journal of Biological Chemistry</i> , 2002, 277, 30325-30336.	3.4	101
94	Modeling the structure of the StART domains of MLN64 and StAR proteins in complex with cholesterol. <i>Journal of Lipid Research</i> , 2006, 47, 2614-2630.	4.2	101
95	Endosome Acidification and the Pathways of Receptor-Mediated Endocytosis. <i>Advances in Experimental Medicine and Biology</i> , 1987, 225, 189-198.	1.6	99
96	Sterol and lipid trafficking in mammalian cells. <i>Biochemical Society Transactions</i> , 2006, 34, 335-339.	3.4	98
97	A Murine Niemann-Pick C1 I1061T Knock-In Model Recapitulates the Pathological Features of the Most Prevalent Human Disease Allele. <i>Journal of Neuroscience</i> , 2015, 35, 8091-8106.	3.6	97
98	Transition from metaphase to anaphase is accompanied by local changes in cytoplasmic free calcium in Pt K2 kidney epithelial cells.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1986, 83, 5136-5140.	7.1	96
99	Receptor-mediated endocytosis of diphtheria toxin by cells in culture.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1982, 79, 2912-2916.	7.1	94
100	Effects of Cholesterol Depletion and Increased Lipid Unsaturation on the Properties of Endocytic Membranes. <i>Journal of Biological Chemistry</i> , 2004, 279, 14171-14178.	3.4	94
101	Epidermal growth factor stimulation of DNA synthesis is potentiated by compounds that inhibit its clustering in coated pits. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1979, 76, 5731-5735.	7.1	93
102	Role of Endosomes and Lysosomes in Human Disease. <i>Cold Spring Harbor Perspectives in Biology</i> , 2014, 6, a016931-a016931.	5.5	93
103	The endocytic pathway in microglia during health, aging and Alzheimerâ€™s disease. <i>Ageing Research Reviews</i> , 2016, 32, 89-103.	10.9	93
104	Thyrotropin-releasing hormone-induced changes in intracellular [Ca ²⁺] measured by microspectrofluorometry on individual quin2-loaded cells.. <i>Journal of Cell Biology</i> , 1984, 99, 1167-1172.	5.2	91
105	Local and global changes in cytosolic free calcium in neutrophils during chemotaxis and phagocytosis. <i>Cell Calcium</i> , 1990, 11, 181-190.	2.4	89
106	Elevated Plasma Membrane Cholesterol Content Alters Macrophage Signaling and Function. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006, 26, 372-378.	2.4	89
107	Direct Observation of Rapid Internalization and Intracellular Transport of Sterol by Macrophage Foam Cells. <i>Traffic</i> , 2005, 6, 396-412.	2.7	88
108	SMS overexpression and knockdown: impact on cellular sphingomyelin and diacylglycerol metabolism, and cell apoptosis. <i>Journal of Lipid Research</i> , 2008, 49, 376-385.	4.2	88

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109	Deletion of ABCA1 and ABCG1 Impairs Macrophage Migration Because of Increased Rac1 Signaling. <i>Circulation Research</i> , 2011, 108, 194-200.	4.5	88
110	Fibrin regulates neutrophil migration in response to interleukin 8, leukotriene B4, tumor necrosis factor, and formyl-methionyl-leucyl-phenylalanine.. <i>Journal of Experimental Medicine</i> , 1995, 181, 1763-1772.	8.5	87
111	Degradation of Alzheimer's amyloid fibrils by microglia requires delivery of CLC-7 to lysosomes. <i>Molecular Biology of the Cell</i> , 2011, 22, 1664-1676.	2.1	86
112	Exocytosis of macrophage lysosomes leads to digestion of apoptotic adipocytes and foam cell formation. <i>Journal of Lipid Research</i> , 2016, 57, 980-992.	4.2	86
113	A Carbon Nanotube Optical Reporter Maps Endolysosomal Lipid Flux. <i>ACS Nano</i> , 2017, 11, 10689-10703.	14.6	84
114	Quantification of low density lipoprotein and transferrin endocytic sorting HEP2 cells using confocal microscopy. <i>Journal of Cell Science</i> , 1994, 107 (Pt 8), 2177-89.	2.0	83
115	The End2 mutation in CHO cells slows the exit of transferrin receptors from the recycling compartment but bulk membrane recycling is unaffected. <i>Journal of Cell Biology</i> , 1993, 122, 1231-1241.	5.2	81
116	Intracellular fusion of sequentially formed endocytic compartments.. <i>Journal of Cell Biology</i> , 1988, 106, 1083-1091.	5.2	80
117	Degradation of fibrillar forms of Alzheimer's amyloid β -peptide by macrophages. <i>Neurobiology of Aging</i> , 2008, 29, 707-715.	3.1	79
118	(-)-Epigallocatechin gallate causes internalization of the epidermal growth factor receptor in human colon cancer cells. <i>Carcinogenesis</i> , 2008, 29, 1986-1993.	2.8	79
119	The influence of particle size and multiple apoprotein E-receptor interactions on the endocytic targeting of beta-VLDL in mouse peritoneal macrophages.. <i>Journal of Cell Biology</i> , 1991, 115, 1547-1560.	5.2	76
120	Thiadiazole Carbamates: Potent Inhibitors of Lysosomal Acid Lipase and Potential Niemann-Pick Type C Disease Therapeutics. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 5281-5289.	6.4	75
121	Intracellular calcium levels correlate with speed and persistent forward motion in migrating neutrophils. <i>Biophysical Journal</i> , 1995, 68, 1207-1217.	0.5	74
122	Automated microscopy screening for compounds that partially revert cholesterol accumulation in Niemann-Pick C cells. <i>Journal of Lipid Research</i> , 2006, 47, 284-301.	4.2	74
123	Ca ²⁺ -dependent myosin II activation is required for uropod retraction during neutrophil migration. <i>Journal of Cell Science</i> , 2000, 113 (Pt 7), 1287-98.	2.0	74
124	The Effect of Neighboring Charges on the Helix Forming Ability of Charged Amino Acids in Proteins. <i>Macromolecules</i> , 1975, 8, 491-493.	4.8	73
125	Improvements in the prediction of protein backbone topography by reduction of statistical errors. <i>Biochemistry</i> , 1979, 18, 697-704.	2.5	72
126	Microtubule Asymmetry during Neutrophil Polarization and Migration. <i>Molecular Biology of the Cell</i> , 2002, 13, 4470-4483.	2.1	72

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127	Different transport routes for high density lipoprotein and its associated free sterol in polarized hepatic cells. <i>Journal of Lipid Research</i> , 2004, 45, 427-437.	4.2	72
128	Isolation of a temperature-sensitive variant Chinese hamster ovary cell line with a morphologically altered endocytic recycling compartment. <i>Journal of Cellular Physiology</i> , 1993, 155, 579-594.	4.1	71
129	Beta-very low density lipoprotein is sequestered in surface-connected tubules in mouse peritoneal macrophages.. <i>Journal of Cell Biology</i> , 1993, 123, 1389-1402.	5.2	70
130	Improvement in Lipid and Protein Trafficking in Niemann-Pick C1 Cells by Correction of a Secondary Enzyme Defect. <i>Traffic</i> , 2010, 11, 601-615.	2.7	68
131	Long-lasting and rapid calcium changes during mitosis.. <i>Journal of Cell Biology</i> , 1988, 107, 993-999.	5.2	67
132	Immunoliposomes with different acid sensitivities as probes for the cellular endocytic pathway. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1989, 987, 47-55.	2.6	65
133	Sphingosine Kinases Are Not Required for Inflammatory Responses in Macrophages. <i>Journal of Biological Chemistry</i> , 2013, 288, 32563-32573.	3.4	65
134	Conformational changes in the receptors for epidermal growth factor and asialoglycoproteins induced by the mildly acidic pH found in endocytic vesicles.. <i>Journal of Biological Chemistry</i> , 1984, 259, 9163-9171.	3.4	65
135	Membrane dynamics and organelle biogenesisâ€”lipid pipelines and vesicular carriers. <i>BMC Biology</i> , 2017, 15, 102.	3.8	63
136	Phorbol ester treatment increases the exocytic rate of the transferrin receptor recycling pathway independent of serine-24 phosphorylation.. <i>Journal of Cell Biology</i> , 1988, 106, 1061-1066.	5.2	62
137	Effects of Incorporation of Immunoglobulin G and Complement Component C1q on Uptake and Degradation of Alzheimer's Disease Amyloid Fibrils by Microglia. <i>Journal of Biological Chemistry</i> , 2000, 275, 16941-16947.	3.4	61
138	Flotillas of lipid rafts fore and aft. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 9471-9473.	7.1	61
139	Cholesterol trafficking and distribution. <i>Essays in Biochemistry</i> , 2015, 57, 43-55.	4.7	61
140	TLR4 (Toll-Like Receptor 4)-Dependent Signaling Drives Extracellular Catabolism of LDL (Low-Density) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.4	60
141	Regulation of leukocyte locomotion by Ca ²⁺ . <i>Trends in Cell Biology</i> , 1993, 3, 386-391.	7.9	59
142	Effects of Apoprotein E on Intracellular Metabolism of Model Triglyceride-rich Particles Are Distinct from Effects on Cell Particle Uptake. <i>Journal of Biological Chemistry</i> , 1995, 270, 1761-1769.	3.4	59
143	Unique Cellular Events Occurring during the Initial Interaction of Macrophages with Matrix-retained or Methylated Aggregated Low Density Lipoprotein (LDL). <i>Journal of Biological Chemistry</i> , 1999, 274, 32112-32121.	3.4	59
144	Multiphoton microscopy for structure identification in human prostate and periprostatic tissue: implications in prostate cancer surgery. <i>BJU International</i> , 2011, 108, 1421-1429.	2.5	59

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145	Infrared spectra of the N-acetyl-N'-methylamides of glycine, L-alanine, and L-leucine in dilute solutions of chloroform and carbon tetrachloride. <i>Biopolymers</i> , 1979, 18, 2507-2521.	2.4	57
146	Sterol, Protein and Lipid Trafficking in Chinese Hamster Ovary Cells with Niemann-Pick Type C1 Defect. <i>Traffic</i> , 2007, 8, 130-141.	2.7	56
147	Multiphoton Microscopy of Prostate and Periprostatic Neural Tissue: A Promising Imaging Technique for Improving Nerve-Sparing Prostatectomy. <i>Journal of Endourology</i> , 2009, 23, 861-867.	2.1	56
148	Binding and mobility of the cell surface receptors for 3,3',5-triiodo-L-thyronine. <i>Science</i> , 1981, 211, 63-65.	12.6	55
149	Multiphoton Microscopy in the Evaluation of Human Bladder Biopsies. <i>Archives of Pathology and Laboratory Medicine</i> , 2012, 136, 517-526.	2.5	55
150	The Uptake and Degradation of Matrix-bound Lipoproteins by Macrophages Require an Intact Actin Cytoskeleton, Rho Family GTPases, and Myosin ATPase Activity. <i>Journal of Biological Chemistry</i> , 2001, 276, 37649-37658.	3.4	54
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