Robert G Parton

List of Publications by Year
in descending order

407 papers	60,709 citations	366 135 h-index	1152 229 g-index
542 all docs	542 docs citations	542 times ranked	45909 citing authors

#	Article	IF	Citations
1	The small GTPase rab5 functions as a regulatory factor in the early endocytic pathway. Cell, 1992, 70, 715-728.	13.5	1,280
2	The multiple faces of caveolae. Nature Reviews Molecular Cell Biology, 2007, 8, 185-194.	16.1	1,264
3	Rab11 regulates recycling through the pericentriolar recycling endosome.. Journal of Cell Biology, 1996, 135, 913-924.	2.3	1,217
4	Kidney organoids from human iPS cells contain multiple lineages and model human nephrogenesis. Nature, 2015, 526, 564-568.	13.7	1,210
5	Localization of low molecular weight GTP binding proteins to exocytic and endocytic compartments. Cell, 1990, 62, 317-329.	13.5	1,122
6	Lipid droplets: a unified view of a dynamic organelle. Nature Reviews Molecular Cell Biology, 2006, 7, 373-378.	16.1	1,036
7	Localization of phosphatidylinositol 3-phosphate in yeast and mammalian cells. EMBO Journal, 2000, 19, 4577-4588.	3.5	978
8	Cells Respond to Mechanical Stress by Rapid Disassembly of Caveolae. Cell, 2011, 144, 402-413.	13.5	791
9	Caveolae as plasma membrane sensors, protectors and organizers. Nature Reviews Molecular Cell Biology, 2013, 14, 98-112.	16.1	740
10	A lipid associated with the antiphospholipid syndrome regulates endosome structure and function. Nature, 1998, 392, 193-197.	13.7	727
11	Regulated internalization of caveolae.. Journal of Cell Biology, 1994, 127, 1199-1215.	2.3	717
12	Direct visualization of Ras proteins in spatially distinct cell surface microdomains. Journal of Cell Biology, 2003, 160, 165-170.	2.3	699
13	EEA1, an Early Endosome-Associated Protein.. Journal of Biological Chemistry, 1995, 270, 13503-13511.	1.6	647
14	PTRF-Cavin, a Conserved Cytoplasmic Protein Required for Caveola Formation and Function. Cell, 2008, 132, 113-124.	13.5	647
15	Biogenesis of phagolysosomes proceeds through a sequential series of interactions with the endocytic apparatus. Journal of Cell Biology, 1994, 124, 677-688.	2.3	628
16	Role of LBPA and Alix in Multivesicular Liposome Formation and Endosome Organization. Science, 2004, 303, 531-534.	6.0	608
17	GPI-Anchored Proteins Are Delivered to Recycling Endosomes via a Distinct cdc42-Regulated, Clathrin-Independent Pinocytic Pathway. Developmental Cell, 2002, 2, 411-423.	3.1	581
18	Late endosomal membranes rich in lysobisphosphatidic acid regulate cholesterol transport. Nature Cell Biology, 1999, 1, 113-118.	4.6	575

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19	De novo formation of caveolae in lymphocytes by expression of VIP21-caveolin.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 8655-8659.	3.3	555
20	Membrane microdomains and caveolae. Current Opinion in Cell Biology, 1999, 11, 424-431.	2.6	547
21	VIP21, a 21-kD membrane protein is an integral component of trans-Golgi-network-derived transport vesicles.. Journal of Cell Biology, 1992, 118, 1003-1014.	2.3	529
22	Caveolae and caveolins. Current Opinion in Cell Biology, 1996, 8, 542-548.	2.6	527
23	Lipid Rafts and Caveolae as Portals for Endocytosis: New Insights and Common Mechanisms. Traffic, 2003, 4, 724-738.	1.3	517
24	Key principles and methods for studying the endocytosis of biological and nanoparticle therapeutics. Nature Nanotechnology, 2021, 16, 266-276.	15.6	509
25	Ultrastructural localization of gangliosides; GM1 is concentrated in caveolae.. Journal of Histochemistry and Cytochemistry, 1994, 42, 155-166.	1.3	498
26	APPL Proteins Link Rab5 to Nuclear Signal Transduction via an Endosomal Compartment. Cell, 2004, 116, 445-456.	13.5	496
27	GTP-dependent segregation of H-ras from lipid rafts is required for biological activity. Nature Cell Biology, 2001, 3, 368-375.	4.6	492
28	Minimum information reporting in bioâ€“nano experimental literature. Nature Nanotechnology, 2018, 13, 777-785.	15.6	455
29	Inhibition of rab5 GTPase activity stimulates membrane fusion in endocytosis. EMBO Journal, 1994, 13, 1287-96.	3.5	448
30	VIP21-caveolin, a membrane protein constituent of the caveolar coat, oligomerizes in vivo and in vitro.. Molecular Biology of the Cell, 1995, 6, 911-927.	0.9	444
31	Rab8, a small GTPase involved in vesicular traffic between the TGN and the basolateral plasma membrane.. Journal of Cell Biology, 1993, 123, 35-45.	2.3	428
32	H-ras, K-ras, and inner plasma membrane raft proteins operate in nanoclusters with differential dependence on the actin cytoskeleton. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 15500-15505.	3.3	423
33	Detergent-insoluble glycolipid microdomains in lymphocytes in the absence of caveolae.. Journal of Biological Chemistry, 1994, 269, 30745-30748.	1.6	420
34	Dominant-negative caveolin inhibits H-Ras function by disrupting cholesterol-rich plasma membrane domains. Nature Cell Biology, 1999, 1, 98-105.	4.6	411
35	Fld1p, a functional homologue of human seipin, regulates the size of lipid droplets in yeast. Journal of Cell Biology, 2008, 180, 473-482.	2.3	411
36	H-ras but Not K-ras Traffics to the Plasma Membrane through the Exocytic Pathway. Molecular and Cellular Biology, 2000, 20, 2475-2487.	1.1	397

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37	Clathrin-Independent Pathways of Endocytosis. Cold Spring Harbor Perspectives in Biology, 2014, 6, a016758-a016758.	2.3	394
38	Biogenesis of the multifunctional lipid droplet: Lipids, proteins, and sites. Journal of Cell Biology, 2014, 204, 635-646.	2.3	386
39	Ultrastructural identification of uncoated caveolin-independent early endocytic vehicles. Journal of Cell Biology, 2005, 168, 465-476.	2.3	385
40	<i>Brucella abortus</i> Transits through the Autophagic Pathway and Replicates in the Endoplasmic Reticulum of Nonprofessional Phagocytes. Infection and Immunity, 1998, 66, 5711-5724.	1.0	379
41	Not Just Fat: The Structure and Function of the Lipid Droplet. Cold Spring Harbor Perspectives in Biology, 2011, 3, a004838-a004838.	2.3	374
42	Plasma membrane nanoswitches generate high-fidelity Ras signal transduction. Nature Cell Biology, 2007, 9, 905-914.	4.6	372
43	Detergent-insoluble glycolipid microdomains in lymphocytes in the absence of caveolae. Journal of Biological Chemistry, 1994, 269, 30745-8.	1.6	364
44	Functional screening in human cardiac organoids reveals a metabolic mechanism for cardiomyocyte cell cycle arrest. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E8372-E8381.	3.3	361
45	An endosomal beta COP is involved in the pH-dependent formation of transport vesicles destined for late endosomes.. Journal of Cell Biology, 1996, 133, 29-41.	2.3	345
46	Caveolin-3 Associates with Developing T-tubules during Muscle Differentiation. Journal of Cell Biology, 1997, 136, 137-154.	2.3	317
47	Digging into caveolae. Science, 1995, 269, 1398-1399.	6.0	312
48	Microtubule- and motor-dependent fusion in vitro between apical and basolateral endocytic vesicles from MDCK cells. Cell, 1990, 62, 719-731.	13.5	297
49	Myosin II isoforms identify distinct functional modules that support integrity of the epithelial zonula adherens. Nature Cell Biology, 2010, 12, 696-702.	4.6	296
50	A Caveolin Dominant Negative Mutant Associates with Lipid Bodies and Induces Intracellular Cholesterol Imbalance. Journal of Cell Biology, 2001, 152, 1057-1070.	2.3	294
51	Endosome-to-cytosol transport of viral nucleocapsids. Nature Cell Biology, 2005, 7, 653-664.	4.6	290
52	A Role for Phosphatidic Acid in the Formation of â€œSupersizedâ€• Lipid Droplets. PLoS Genetics, 2011, 7, e1002201.	1.5	290
53	Sequence-Dependent Sorting of Recycling Proteins by Actin-Stabilized Endosomal Microdomains. Cell, 2010, 143, 761-773.	13.5	289
54	The Recycling Endosome of Madin-Darby Canine Kidney Cells Is a Mildly Acidic Compartment Rich in Raft Components. Molecular Biology of the Cell, 2000, 11, 2775-2791.	0.9	287

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55	Flotillin-1-enriched Lipid Raft Domains Accumulate on Maturing Phagosomes. Journal of Biological Chemistry, 2001, 276, 18507-18512.	1.6	275
56	Fsp27 promotes lipid droplet growth by lipid exchange and transfer at lipid droplet contact sites. Journal of Cell Biology, 2011, 195, 953-963.	2.3	273
57	Regulation of caveolin and caveolae by cholesterol in MDCK cells. Journal of Lipid Research, 1998, 39, 369-379.	2.0	273
58	A role for oxysterol-binding proteinâ€"related protein 5 in endosomal cholesterol trafficking. Journal of Cell Biology, 2011, 192, 121-135.	2.3	270
59	The Tetraspanin CD63/lamp3 Cycles between Endocytic and Secretory Compartments in Human Endothelial Cells. Molecular Biology of the Cell, 2000, 11, 1829-1843.	0.9	266
60	Axonal and dendritic endocytic pathways in cultured neurons.. Journal of Cell Biology, 1992, 119, 123-137.	2.3	264
61	Clathrin-independent carriers form a high capacity endocytic sorting system at the leading edge of migrating cells. Journal of Cell Biology, 2010, 190, 675-691.	2.3	263
62	Regulated Localization of Rab18 to Lipid Droplets. Journal of Biological Chemistry, 2005, 280, 42325-42335.	1.6	257
63	Acyl-CoA synthetase 3 promotes lipid droplet biogenesis in ER microdomains. Journal of Cell Biology, 2013, 203, 985-1001.	2.3	257
64	Cholesterol Manipulation by West Nile Virus Perturbs the Cellular Immune Response. Cell Host and Microbe, 2007, 2, 229-239.	5.1	255
65	Clathrin-independent endocytosis: New insights into caveolae and non-caveolar lipid raft carriers. Biochimica Et Biophysica Acta - Molecular Cell Research, 2005, 1745, 273-286.	1.9	253
66	Biogenesis of caveolae: a structural model for caveolin-induced domain formation. Journal of Cell Science, 2006, 119, 787-796.	1.2	253
67	Endocytosis in filter-grown Madin-Darby canine kidney cells.. Journal of Cell Biology, 1989, 109, 3243-3258.	2.3	250
68	High-resolution mapping reveals topologically distinct cellular pools of phosphatidylserine. Journal of Cell Biology, 2011, 194, 257-275.	2.3	249
69	Galectin-3 drives glycosphingolipid-dependent biogenesis of clathrin-independent carriers. Nature Cell Biology, 2014, 16, 592-603.	4.6	248
70	Selective Stimulation of Caveolar Endocytosis by Glycosphingolipids and Cholesterol. Molecular Biology of the Cell, 2004, 15, 3114-3122.	0.9	245
71	Mammalian lipid droplets are innate immune hubs integrating cell metabolism and host defense. Science, 2020, 370, .	6.0	245
72	MURC/Cavin-4 and cavin family members form tissue-specific caveolar complexes. Journal of Cell Biology, 2009, 185, 1259-1273.	2.3	243

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73	Building a Better Dynasore: The Dyngo Compounds Potently Inhibit Dynamin and Endocytosis. Traffic, 2013, 14, 1272-1289.	1.3	243
74	Adaptor Proteins MiD49 and MiD51 Can Act Independently of Mff and Fis1 in Drp1 Recruitment and Are Specific for Mitochondrial Fission. Journal of Biological Chemistry, 2013, 288, 27584-27593.	1.6	240
75	Major histocompatibility complex class I molecules mediate association of SV40 with caveolae.. Molecular Biology of the Cell, 1997, 8, 47-57.	0.9	239
76	Polarized sorting of glypiated proteins in hippocampal neurons. Nature, 1991, 349, 158-161.	13.7	237
77	Caveolin-1 Is Essential for Liver Regeneration. Science, 2006, 313, 1628-1632.	6.0	235
78	Flotillins and the PHB Domain Protein Family: Rafts, Worms and Anaesthetics. Traffic, 2005, 6, 725-740.	1.3	233
79	Regulation of caveolin and caveolae by cholesterol in MDCK cells. Journal of Lipid Research, 1998, 39, 369-79.	2.0	223
80	Ras plasma membrane signalling platforms. Biochemical Journal, 2005, 389, 1-11.	1.7	219
81	Lipid droplet-organelle interactions; sharing the fats. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2009, 1791, 441-447.	1.2	218
82	AMPK activation promotes lipid droplet dispersion on detyrosinated microtubules to increase mitochondrial fatty acid oxidation. Nature Communications, 2015, 6, 7176.	5.8	215
83	Association of Stomatin with Lipid Bodies. Journal of Biological Chemistry, 2004, 279, 23699-23709.	1.6	213
84	The GTPase-Activating Protein GRAF1 Regulates the CLIC/GEEC Endocytic Pathway. Current Biology, 2008, 18, 1802-1808.	1.8	213
85	A Pore-forming Toxin Interacts with a GPI-anchored Protein and Causes Vacuolation of the Endoplasmic Reticulum. Journal of Cell Biology, 1998, 140, 525-540.	2.3	211
86	Endosome dynamics regulated by a Rho protein. Nature, 1996, 384, 427-432.	13.7	209
87	Caveolae: Structure, Function, and Relationship to Disease. Annual Review of Cell and Developmental Biology, 2018, 34, 111-136.	4.0	208
88	Meeting of the apical and basolateral endocytic pathways of the Madin-Darby canine kidney cell in late endosomes.. Journal of Cell Biology, 1989, 109, 3259-3272.	2.3	207
89	Differential sorting and fate of endocytosed GPI-anchored proteins. EMBO Journal, 2002, 21, 3989-4000.	3.5	203
90	Specific release of membrane-bound annexin II and cortical cytoskeletal elements by sequestration of membrane cholesterol.. Molecular Biology of the Cell, 1997, 8, 533-545.	0.9	202

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91	Flotillin-1/Reggie-2 Traffics to Surface Raft Domains via a Novel Golgi-independent Pathway. Journal of Biological Chemistry, 2002, 277, 48834-48841.	1.6	200
92	Cortical F-actin stabilization generates apicalâ€"lateral patterns of junctional contractility that integrate cells into epithelia. Nature Cell Biology, 2014, 16, 167-178.	4.6	199
93	Membrane insertion of anthrax protective antigen and cytoplasmic delivery of lethal factor occur at different stages of the endocytic pathway. Journal of Cell Biology, 2004, 166, 645-651.	2.3	197
94	Rab11, a small GTPase associated with both constitutive and regulated secretory pathways in PC12 cells. FEBS Letters, 1993, 334, 175-182.	1.3	195
95	Functional role of T-cell receptor nanoclusters in signal initiation and antigen discrimination. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E5454-63.	3.3	194
96	The Rab5 Effector Rabankyrin-5 Regulates and Coordinates Different Endocytic Mechanisms. PLoS Biology, 2004, 2, e261.	2.6	192
97	A Novel 14-Kilodalton Protein Interacts with the Mitogen-Activated Protein Kinase Scaffold Mp1 on a Late Endosomal/Lysosomal Compartment. Journal of Cell Biology, 2001, 152, 765-776.	2.3	189
98	M-caveolin, a muscle-specific caveolin-related protein. FEBS Letters, 1995, 376, 108-112.	1.3	187
99	Individual Palmitoyl Residues Serve Distinct Roles in H-Ras Trafficking, Microlocalization, and Signaling. Molecular and Cellular Biology, 2005, 25, 6722-6733.	1.1	187
100	Dynamic and Regulated Association of Caveolin with Lipid Bodies: Modulation of Lipid Body Motility and Function by a Dominant Negative Mutant. Molecular Biology of the Cell, 2004, 15, 99-110.	0.9	185
101	Cholesterol and Fatty Acids Regulate Dynamic Caveolin Trafficking through the Golgi Complex and between the Cell Surface and Lipid Bodies. Molecular Biology of the Cell, 2005, 16, 2091-2105.	0.9	184
102	A novel switch region regulates H-ras membrane orientation and signal output. EMBO Journal, 2008, 27, 727-735.	3.5	182
103	Caveolae at a glance. Journal of Cell Science, 2010, 123, 3831-3836.	1.2	182
104	Annexin II regulates multivesicular endosome biogenesis in the degradation pathway of animal cells. EMBO Journal, 2003, 22, 3242-3253.	3.5	181
105	Cavin family proteins and the assembly of caveolae. Journal of Cell Science, 2015, 128, 1269-1278.	1.2	181
106	Lipid rafts and plasma membrane microorganization: insights from Ras. Trends in Cell Biology, 2004, 14, 141-147.	3.6	180
107	EEA1, a Tethering Protein of the Early Sorting Endosome, Shows a Polarized Distribution in Hippocampal Neurons, Epithelial Cells, and Fibroblasts. Molecular Biology of the Cell, 2000, 11, 2657-2671.	0.9	176
108	Building endocytic pits without clathrin. Nature Reviews Molecular Cell Biology, 2015, 16, 311-321.	16.1	175

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109	Identifying Optimal Lipid Raft Characteristics Required To Promote Nanoscale Protein-Protein Interactions on the Plasma Membrane. Molecular and Cellular Biology, 2006, 26, 313-323.	1.1	174
110	Lysobisphosphatidic Acid Controls Endosomal Cholesterol Levels. Journal of Biological Chemistry, 2008, 283, 27871-27880.	1.6	174
111	Molecules, mechanisms, and cellular roles of clathrin-independent endocytosis. Current Opinion in Cell Biology, 2010, 22, 519-527.	2.6	171
112	Dynamic microtubules regulate the local concentration of E-cadherin at cell-cell contacts. Journal of Cell Science, 2006, 119, 1801-1811.	1.2	167
113	Characterization of E-cadherin Endocytosis in Isolated MCF-7 and Chinese Hamster Ovary Cells. Journal of Biological Chemistry, 2003, 278, 21050-21057.	1.6	166
114	Cholesterol-Sensitive Cdc42 Activation Regulates Actin Polymerization for Endocytosis via the GEEC Pathway. Traffic, 2007, 8, 702-717.	1.3	166
115	EHD2 regulates caveolar dynamics via ATP-driven targeting and oligomerization. Molecular Biology of the Cell, 2012, 23, 1316-1329.	0.9	165
116	Rab18 promotes lipid droplet (LD) growth by tethering the ER to LDs through SNARE and NRZ interactions. Journal of Cell Biology, 2018, 217, 975-995.	2.3	164
117	Prohibitin, an antiproliferative protein, is localized to mitochondria. FEBS Letters, 1995, 358, 273-277.	1.3	163
118	Erratum to â€œClathrin-independent endocytosis: New insights into caveolae and non-caveolar lipid raft carriersâ€•[Biochim. Biophys. Acta 1744 (2005) 273â€“286]. Biochimica Et Biophysica Acta - Molecular Cell Research, 2005, 1746, 349.	1.9	163
119	Functional Dissection of COP-I Subunits in the Biogenesis of Multivesicular Endosomes. Journal of Cell Biology, 1997, 139, 1183-1195.	2.3	161
120	Caveolin, cholesterol, and lipid bodies. Seminars in Cell and Developmental Biology, 2005, 16, 163-174.	2.3	160
121	Cholesterol-Induced Caveolin Targeting to Lipid Droplets in Adipocytes: A Role for Caveolar Endocytosis. Traffic, 2006, 7, 549-561.	1.3	158
122	RORÎ± Regulates the Expression of Genes Involved in Lipid Homeostasis in Skeletal Muscle Cells. Journal of Biological Chemistry, 2004, 279, 36828-36840.	1.6	157
123	Highâ€Resolution 3D Quantitative Analysis of Caveolar Ultrastructure and Caveolaâ€“Cytoskeleton Interactions. Traffic, 2008, 9, 893-909.	1.3	156
124	Uptake and Intracellular Fate of Disulfide-Bonded Polymer Hydrogel Capsules for Doxorubicin Delivery to Colorectal Cancer Cells. ACS Nano, 2010, 4, 2928-2936.	7.3	155
125	Cell-to-Cell Heterogeneity in Lipid Droplets Suggests a Mechanism to Reduce Lipotoxicity. Current Biology, 2013, 23, 1489-1496.	1.8	152
126	Caveolae and sorting in the trans-Golgi network of epithelial cells. EMBO Journal, 1993, 12, 1597-605.	3.5	152

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127	Three Separable Domains Regulate GTP-Dependent Association of H-ras with the Plasma Membrane. Molecular and Cellular Biology, 2004, 24, 6799-6810.	1.1	150
128	ORP5 and ORP8 bind phosphatidylinositol-4, 5-biphosphate (PtdIns(4,5)P 2) and regulate its level at the plasma membrane. Nature Communications, 2017, 8, 757.	5.8	150
129	Caveolae â€" from ultrastructure to molecular mechanisms. Nature Reviews Molecular Cell Biology, 2003, 4, 162-167.	16.1	149
130	Annexin XIIIb: a novel epithelial specific annexin is implicated in vesicular traffic to the apical plasma membrane.. Journal of Cell Biology, 1995, 128, 1043-1053.	2.3	148
131	SEIPIN Regulates Lipid Droplet Expansion and Adipocyte Development by Modulating the Activity of Glycerol-3-phosphate Acyltransferase. Cell Reports, 2016, 17, 1546-1559.	2.9	148
132	The organization of the endoplasmic reticulum and the intermediate compartment in cultured rat hippocampal neurons.. Molecular Biology of the Cell, 1995, 6, 1315-1332.	0.9	145
133	Involvement of the Transmembrane Protein p23 in Biosynthetic Protein Transport. Journal of Cell Biology, 1997, 139, 1119-1135.	2.3	144
134	Syntaxin 7 Is Localized to Late Endosome Compartments, Associates with Vamp 8, and Is Required for Late Endosomeâ€"Lysosome Fusion. Molecular Biology of the Cell, 2000, 11, 3137-3153.	0.9	144
135	ORP2 Delivers Cholesterol to the Plasma Membrane in Exchange for Phosphatidylinositol 4, 5-Bisphosphate (PI(4,5)P2). Molecular Cell, 2019, 73, 458-473.e7.	4.5	143
136	Rab23, a Negative Regulator of Hedgehog Signaling, Localizes to the Plasma Membrane and the Endocytic Pathway. Traffic, 2003, 4, 869-884.	1.3	141
137	The involvement of the small GTP-binding protein Rab5a in neuronal endocytosis. Neuron, 1994, 13, 11-22.	3.8	140
138	Arachidonic Acid Release from Mammalian Cells Transfected with Human Groups IIA and X Secreted Phospholipase A2 Occurs Predominantly during the Secretory Process and with the Involvement of Cytosolic Phospholipase A2-Î±. Journal of Biological Chemistry, 2004, 279, 25024-25038.	1.6	140
139	Annexin A2-Dependent Polymerization of Actin Mediates Endosome Biogenesis. Developmental Cell, 2009, 16, 445-457.	3.1	139
140	Pore-forming toxins induce multiple cellular responses promoting survival. Cellular Microbiology, 2011, 13, 1026-1043.	1.1	139
141	An endosomal tether undergoes an entropic collapse to bring vesicles together. Nature, 2016, 537, 107-111.	13.7	135
142	The caveolinâ€"cavin system plays a conserved and critical role in mechanoprotection of skeletal muscle. Journal of Cell Biology, 2015, 210, 833-849.	2.3	133
143	Rab17, a novel small GTPase, is specific for epithelial cells and is induced during cell polarization.. Journal of Cell Biology, 1993, 121, 553-564.	2.3	132
144	Rab17 Regulates Membrane Trafficking through Apical Recycling Endosomes in Polarized Epithelial Cells. Journal of Cell Biology, 1998, 140, 1039-1053.	2.3	132

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145	A Single Method for Cryofixation and Correlative Light, Electron Microscopy and Tomography of Zebrafish Embryos. Traffic, 2009, 10, 131-136.	1.3	131
146	Interplay between hepatic mitochondria-associated membranes, lipid metabolism and caveolin-1 in mice. Scientific Reports, 2016, 6, 27351.	1.6	131
147	Endocytic Crosstalk: Cavins, Caveolins, and Caveolae Regulate Clathrin-Independent Endocytosis. PLoS Biology, 2014, 12, e1001832.	2.6	128
148	Structure-Based Reassessment of the Caveolin Signaling Model: Do Caveolae Regulate Signaling through Caveolin-Protein Interactions?. Developmental Cell, 2012, 23, 11-20.	3.1	127
149	Development of a human cardiac organoid injury model reveals innate regenerative potential. Development (Cambridge), 2017, 144, 1118-1127.	1.2	127
150	Endocytosis Inhibition in Humans to Improve Responses to ADCC-Mediating Antibodies. Cell, 2020, 180, 895-914.e27.	13.5	127
151	M-caveolin, a muscle-specific caveolin-related protein. FEBS Letters, 1996, 378, 108-112.	1.3	126
152	Constitutive Formation of Caveolae in a Bacterium. Cell, 2012, 150, 752-763.	13.5	126
153	A kinetic view of GPCR allostery and biased agonism. Nature Chemical Biology, 2017, 13, 929-937.	3.9	126
154	Visualisation of macropinosome maturation by the recruitment of sorting nexins. Journal of Cell Science, 2006, 119, 3967-3980.	1.2	125
155	Rab18 Binds to Hepatitis C Virus NS5A and Promotes Interaction between Sites of Viral Replication and Lipid Droplets. PLoS Pathogens, 2013, 9, e1003513.	2.1	125
156	Caveolins and Cellular Cholesterol Balance. Traffic, 2000, 1, 212-217.	1.3	122
157	Late Endosomal Cholesterol Accumulation Leads to Impaired Intra-Endosomal Trafficking. PLoS ONE, 2007, 2, e851.	1.1	119
158	Signal Integration by Lipid-Mediated Spatial Cross Talk between Ras Nanoclusters. Molecular and Cellular Biology, 2014, 34, 862-876.	1.1	119
159	Modular Detection of GFP-Labeled Proteins for Rapid Screening by Electron Microscopy in Cells and Organisms. Developmental Cell, 2015, 35, 513-525.	3.1	119
160	Clathrin-independent endocytosis: New insights into caveolae and non-caveolar lipid raft carriers. Biochimica Et Biophysica Acta - Molecular Cell Research, 2005, 1746, 350-363.	1.9	118
161	Retromer has a selective function in cargo sorting via endosome transport carriers. Journal of Cell Biology, 2019, 218, 615-631.	2.3	118
162	Single-molecule analysis reveals self assembly and nanoscale segregation of two distinct cavin subcomplexes on caveolae. ELife, 2013, 3, e01434.	2.8	114

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163	Molecular Characterization of Caveolin Association with the Golgi Complex: Identification of a Cis-Golgi Targeting Domain in the Caveolin Molecule. Journal of Cell Biology, 1999, 145, 1443-1459.	2.3	113
164	Caveolae regulate the nanoscale organization of the plasma membrane to remotely control Ras signaling. Journal of Cell Biology, 2014, 204, 777-792.	2.3	112
165	Critical role of CAV1/caveolin-1 in cell stress responses in human breast cancer cells via modulation of lysosomal function and autophagy. Autophagy, 2015, 11, 769-784.	4.3	112
166	Caveolin Interacts with the Angiotensin II Type 1 Receptor during Exocytic Transport but Not at the Plasma Membrane. Journal of Biological Chemistry, 2003, 278, 23738-23746.	1.6	110
167	Evolutionary analysis and molecular dissection of caveola biogenesis. Journal of Cell Science, 2008, 121, 2075-2086.	1.2	110
168	pH-induced microtubule-dependent redistribution of late endosomes in neuronal and epithelial cells.. Journal of Cell Biology, 1991, 113, 261-274.	2.3	107
169	N4WBP5, a Potential Target for Ubiquitination by the Nedd4 Family of Proteins, Is a Novel Golgi-associated Protein. Journal of Biological Chemistry, 2002, 277, 9307-9317.	1.6	106
170	Mechanochemical feedback control of dynamin independent endocytosis modulates membrane tension in adherent cells. Nature Communications, 2018, 9, 4217.	5.8	106
171	Arf6-independent GPI-anchored Protein-enriched Early Endosomal Compartments Fuse with Sorting Endosomes via a Rab5/Phosphatidylinositol-3â€²-Kinaseâ€"dependent Machinery. Molecular Biology of the Cell, 2006, 17, 3689-3704.	0.9	104
172	Coronin 1B Reorganizes the Architecture of F-Actin Networks for Contractility at Steady-State and Apoptotic Adherens Junctions. Developmental Cell, 2016, 37, 58-71.	3.1	103
173	Caveolae: Formation, dynamics, and function. Current Opinion in Cell Biology, 2020, 65, 8-16.	2.6	103
174	Electrostatic Interactions Positively Regulate K-Ras Nanocluster Formation and Function. Molecular and Cellular Biology, 2008, 28, 4377-4385.	1.1	102
175	The Ether Lipid Precursor Hexadecylglycerol Stimulates the Release and Changes the Composition of Exosomes Derived from PC-3 Cells. Journal of Biological Chemistry, 2015, 290, 4225-4237.	1.6	102
176	Mutant huntingtin inhibits clathrin-independent endocytosis and causes accumulation of cholesterol in vitro and in vivo. Human Molecular Genetics, 2006, 15, 3578-3591.	1.4	101
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