Robert G Parton

List of Publications by Year
in descending order

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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	Mechanisms of Endocytosis II Non-Clathrin. , 2022, , .		0
2	Î²III-Tubulin Structural Domains Regulate Mitochondrial Network Architecture in an Isotype-Specific Manner. Cells, 2022, 11, 776.	1.8	2
3	The structure of caveolin finally takes shape. Science Advances, 2022, 8, eabq6985.	4.7	6
4	Volume electron microscopy. Nature Reviews Methods Primers, 2022, 2, .	11.8	46
5	Nanoparticle entry into cells; the cell biology weak link. Advanced Drug Delivery Reviews, 2022, 188, 114403.	6.6	31
6	An inverted CAV1 (caveolin 1) topology defines novel autophagy-dependent exosome secretion from prostate cancer cells. Autophagy, 2021, 17, 2200-2216.	4.3	21
7	Growth Hormone Stops Excessive Inflammation After Partial Hepatectomy, Allowing Liver Regeneration and Survival Through Induction of H2â€Bl/HLAâ€G. Hepatology, 2021, 73, 759-775.	3.6	24
8	Caveolinâ€1 influences epithelial collective cell migration via FMNL2 formin. Biology of the Cell, 2021, 113, 107-117.	0.7	5
9	Formation of retromer transport carriers is disrupted by the Parkinson diseaseâ€linked Vps35 <scp>D620N</scp> variant. Traffic, 2021, 22, 123-136.	1.3	21
10	Phosphorylation of PKCÎ´ by FER tips the balance from EGFR degradation to recycling. Journal of Cell Biology, 2021, 220, .	2.3	14
11	Proximity Dependent Biotin Labelling in Zebrafish for Proteome and Interactome Profiling. Bio-protocol, 2021, 11, e4178.	0.2	4
12	Caveolin-1 and cavin1 act synergistically to generate a unique lipid environment in caveolae. Journal of Cell Biology, 2021, 220, .	2.3	37
13	Inner retinal injury in experimental glaucoma is prevented upon AAV mediated Shp2 silencing in a caveolin dependent manner. Theranostics, 2021, 11, 6154-6172.	4.6	12
14	Cavin1 intrinsically disordered domains are essential for fuzzy electrostatic interactions and caveola formation. Nature Communications, 2021, 12, 931.	5.8	24
15	In vivo proteomic mapping through GFP-directed proximity-dependent biotin labelling in zebrafish. ELife, 2021, 10, .	2.8	39
16	Key principles and methods for studying the endocytosis of biological and nanoparticle therapeutics. Nature Nanotechnology, 2021, 16, 266-276.	15.6	509
17	Mechanotransduction activates RhoA in the neighbors of apoptotic epithelial cells to engage apical extrusion. Current Biology, 2021, 31, 1326-1336.e5.	1.8	45
18	High intraluminal pressure promotes vascular inflammation via caveolin-1. Scientific Reports, 2021, 11, 5894.	1.6	6

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19	A robust method for particulate detection of a genetic tag for 3D electron microscopy. ELife, 2021, 10, .	2.8	16
20	Caveolinâ€1â€driven membrane remodelling regulates hnRNPKâ€mediated exosomal microRNA sorting in cancer. Clinical and Translational Medicine, 2021, 11, e381.	1.7	19
21	Nicotinamide riboside attenuates age-associated metabolic and functional changes in hematopoietic stem cells. Nature Communications, 2021, 12, 2665.	5.8	45
22	Nanoscape, a data-driven 3D real-time interactive virtual cell environment. ELife, 2021, 10, .	2.8	5
23	Lipid droplets and the hostâ€“pathogen dynamic: FATal attraction?. Journal of Cell Biology, 2021, 220, .	2.3	31
24	Cavin3 released from caveolae interacts with BRCA1 to regulate the cellular stress response. ELife, 2021, 10, .	2.8	11
25	Key phases in the formation of caveolae. Current Opinion in Cell Biology, 2021, 71, 7-14.	2.6	36
26	Impaired endoplasmic reticulum-mitochondrial signaling in ataxia-telangiectasia. IScience, 2021, 24, 101972.	1.9	15
27	Frontline Science: LPS-inducible SLC30A1 drives human macrophage-mediated zinc toxicity against intracellular Escherichia coli. Journal of Leukocyte Biology, 2021, 109, 287-297.	1.5	13
28	An anaplerotic approach to correct the mitochondrial dysfunction in ataxia-telangiectasia (A-T). Molecular Metabolism, 2021, 54, 101354.	3.0	5
29	Cavin4 interacts with Bin1 to promote T-tubule formation and stability in developing skeletal muscle. Journal of Cell Biology, 2021, 220, .	2.3	15
30	Cargo-specific recruitment in clathrin- and dynamin-independent endocytosis. Nature Cell Biology, 2021, 23, 1073-1084.	4.6	34
31	Ryanodine receptor leak triggers fiber Ca ²⁺ redistribution to preserve force and elevate basal metabolism in skeletal muscle. Science Advances, 2021, 7, eabi7166.	4.7	20
32	De novo macrocyclic peptides for inhibiting, stabilizing, and probing the function of the retromer endosomal trafficking complex. Science Advances, 2021, 7, eabg4007.	4.7	11
33	ContactJ: Lipid droplets-mitochondria contacts characterization through fluorescence microscopy and image analysis. F1000Research, 2021, 10, 263.	0.8	2
34	Loss of YhcB results in dysregulation of coordinated peptidoglycan, LPS and phospholipid synthesis during Escherichia coli cell growth. PLoS Genetics, 2021, 17, e1009586.	1.5	16
35	Twenty years of traffic: A 2020 vision of cellular electron microscopy. Traffic, 2020, 21, 156-161.	1.3	2
36	Caveolae: The FAQs. Traffic, 2020, 21, 181-185.	1.3	65

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37	Ascidian caveolin induces membrane curvature and protects tissue integrity and morphology during embryogenesis. FASEB Journal, 2020, 34, 1345-1361.	0.2	23
38	Role for caveolin-mediated transcytosis in facilitating transport of large cargoes into the brain via ultrasound. Journal of Controlled Release, 2020, 327, 667-675.	4.8	41
39	Mammalian lipid droplets are innate immune hubs integrating cell metabolism and host defense. Science, 2020, 370, .	6.0	245
40	Modular transient nanoclustering of activated Î²2-adrenergic receptors revealed by single-molecule tracking of conformation-specific nanobodies. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 30476-30487.	3.3	29
41	In vivo cell biological screening identifies an endocytic capture mechanism for T-tubule formation. Nature Communications, 2020, 11, 3711.	5.8	30
42	ORP5 localizes to ERâ€“lipid droplet contacts and regulates the level of PI(4)P on lipid droplets. Journal of Cell Biology, 2020, 219, .	2.3	75
43	Src kinases relax adherens junctions between the neighbors of apoptotic cells to permit apical extrusion. Molecular Biology of the Cell, 2020, 31, 2557-2569.	0.9	22
44	Caveolae Control Contractile Tension for Epithelia to Eliminate Tumor Cells. Developmental Cell, 2020, 54, 75-91.e7.	3.1	48
45	Novel contact sites between lipid droplets, early endosomes, and the endoplasmic reticulum. Journal of Lipid Research, 2020, 61, 1364.	2.0	9
46	Non-caveolar caveolins â€“ duties outside the caves. Journal of Cell Science, 2020, 133, .	1.2	35
47	Caveolin-1 Ablation Imparts Partial Protection Against Inner Retinal Injury in Experimental Glaucoma and Reduces Apoptotic Activation. Molecular Neurobiology, 2020, 57, 3759-3784.	1.9	14
48	Caveolae: Formation, dynamics, and function. Current Opinion in Cell Biology, 2020, 65, 8-16.	2.6	103
49	Lipid droplets, bioenergetic fluxes, and metabolic flexibility. Seminars in Cell and Developmental Biology, 2020, 108, 33-46.	2.3	37
50	Endocytosis Inhibition in Humans to Improve Responses to ADCC-Mediating Antibodies. Cell, 2020, 180, 895-914.e27.	13.5	127
51	A role for caveolaâ€forming proteins caveolinâ€1 and CAVIN1 in the proâ€invasive response of glioblastoma to osmotic and hydrostatic pressure. Journal of Cellular and Molecular Medicine, 2020, 24, 3724-3738.	1.6	9
52	Mapping Interactions among Cell-Free Expressed Zika Virus Proteins. Journal of Proteome Research, 2020, 19, 1522-1532.	1.8	11
53	Reactivation of Myc transcription in the mouse heart unlocks its proliferative capacity. Nature Communications, 2020, 11, 1827.	5.8	38
54	Live Confocal Imaging of Zebrafish Notochord Cells Under Mechanical Stress In Vivo. Methods in Molecular Biology, 2020, 2169, 175-187.	0.4	1

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55	Caveolae and lipid sorting: Shaping the cellular response to stress. Journal of Cell Biology, 2020, 219, .	2.3	47
56	Identification of intracellular cavin target proteins reveals cavin-PP1alpha interactions regulate apoptosis. Nature Communications, 2019, 10, 3279.	5.8	53
57	The membrane environment of cadherin adhesion receptors: a working hypothesis. Biochemical Society Transactions, 2019, 47, 985-995.	1.6	6
58	Faceted polymersomes: a sphere-to-polyhedron shape transformation. Chemical Science, 2019, 10, 2725-2731.	3.7	29
59	Drugâ€induced increase in lysobisphosphatidic acid reduces the cholesterol overload in Niemannâ€“Pick type C cells and mice. EMBO Reports, 2019, 20, e47055.	2.0	33
60	Correlation of the invasive potential of glioblastoma and expression of caveola-forming proteins caveolin-1 and CAVIN1. Journal of Neuro-Oncology, 2019, 143, 207-220.	1.4	8
61	Myosin Vb is required for correct trafficking of Nâ€cadherin and cardiac chamber ballooning. Developmental Dynamics, 2019, 248, 284-295.	0.8	6
62	Colocation of Tpm3.1 and myosin IIa heads defines a discrete subdomain in stress fibres. Journal of Cell Science, 2019, 132, .	1.2	15
63	An Abl-FBP17 mechanosensing system couples local plasma membrane curvature and stress fiber remodeling during mechanoadaptation. Nature Communications, 2019, 10, 5828.	5.8	50
64	Retromer has a selective function in cargo sorting via endosome transport carriers. Journal of Cell Biology, 2019, 218, 615-631.	2.3	118
65	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
66	Membrane Curvature and Tension Control the Formation and Collapse of Caveolar Superstructures. Developmental Cell, 2019, 48, 523-538.e4.	3.1	53
67	Development of a human skeletal micro muscle platform with pacing capabilities. Biomaterials, 2019, 198, 217-227.	5.7	38
68	Caveolae. Current Biology, 2018, 28, R402-R405.	1.8	95
69	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
70	Cell-free formation and interactome analysis of caveolae. Journal of Cell Biology, 2018, 217, 2141-2165.	2.3	48
71	Journey to the centre of the cell: Virtual reality immersion into scientific data. Traffic, 2018, 19, 105-110.	1.3	74
72	Caveolae: Structure, Function, and Relationship to Disease. Annual Review of Cell and Developmental Biology, 2018, 34, 111-136.	4.0	208

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73	Mechanochemical feedback control of dynamin independent endocytosis modulates membrane tension in adherent cells. Nature Communications, 2018, 9, 4217.	5.8	106
74	Minimum information reporting in bioâ€“nano experimental literature. Nature Nanotechnology, 2018, 13, 777-785.	15.6	455
75	Ultrastructural localisation of protein interactions using conditionally stable nanobodies. PLoS Biology, 2018, 16, e2005473.	2.6	42
76	Rab5 and Alsin regulate stress-activated cytoprotective signaling on mitochondria. ELife, 2018, 7, .	2.8	65
77	A variable undecad repeat domain in cavin1 regulates caveola formation and stability. EMBO Reports, 2018, 19, .	2.0	23
78	Small GTPases and BAR domain proteins regulate branched actin polymerisation for clathrin and dynamin-independent endocytosis. Nature Communications, 2018, 9, 1835.	5.8	74
79	Development of a human cardiac organoid injury model reveals innate regenerative potential. Development (Cambridge), 2017, 144, 1118-1127.	1.2	127
80	A plasmid library of full-length zebrafish rab proteins forin vivocell biology. Cellular Logistics, 2017, 7, e1301151.	0.9	6
81	Correlative light and electron microscopic detection of GFP-labeled proteins using modular APEX. Methods in Cell Biology, 2017, 140, 105-121.	0.5	13
82	Mammalian Diaphanous 1 Mediates a Pathway for E-cadherin to Stabilize Epithelial Barriers through Junctional Contractility. Cell Reports, 2017, 18, 2854-2867.	2.9	94
83	Cavin-1 deficiency modifies myocardial and coronary function, stretch responses and ischaemic tolerance: roles of NOS over-activity. Basic Research in Cardiology, 2017, 112, 24.	2.5	15
84	Laser-mediated rupture of chlamydial inclusions triggers pathogen egress and host cell necrosis. Nature Communications, 2017, 8, 14729.	5.8	17
85	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
86	Tyrosine dephosphorylated cortactin downregulates contractility at the epithelial zonula adherens through SRGAP1. Nature Communications, 2017, 8, 790.	5.8	27
87	A kinetic view of GPCR allostery and biased agonism. Nature Chemical Biology, 2017, 13, 929-937.	3.9	126
88	A microtubule-organizing center directing intracellular transport in the early mouse embryo. Science, 2017, 357, 925-928.	6.0	101
89	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
90	Phosphatidylserine dictates the assembly and dynamics of caveolae in the plasma membrane. Journal of Biological Chemistry, 2017, 292, 14292-14307.	1.6	68

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91	Caveolin 1 restricts Group AStreptococcusinvasion of nonphagocytic host cells. Cellular Microbiology, 2017, 19, e12772.	1.1	11
92	Caveolae Protect Notochord Cells against Catastrophic Mechanical Failure during Development. Current Biology, 2017, 27, 1968-1981.e7.	1.8	74
93	A novel sphingomyelin/cholesterol domainâ€specific probe reveals the dynamics of the membrane domains during virus release and in Niemannâ€Pick type C. FASEB Journal, 2017, 31, 1301-1322.	0.2	34
94	A distinct plasma lipid signature associated with poor prognosis in castrationâ€resistant prostate cancer. International Journal of Cancer, 2017, 141, 2112-2120.	2.3	54
95	Parkinson Disease-linked Vps35 R524W Mutation Impairs the Endosomal Association of Retromer and Induces Î±-Synuclein Aggregation. Journal of Biological Chemistry, 2016, 291, 18283-18298.	1.6	68
96	Nanomolar oligomerization and selective co-aggregation of Î±-synuclein pathogenic mutants revealed by single-molecule fluorescence. Scientific Reports, 2016, 6, 37630.	1.6	29
97	Human immune cell targeting of protein nanoparticles â€“ caveospheres. Nanoscale, 2016, 8, 8255-8265.	2.8	31
98	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
99	Prolonged Intake of Dietary Lipids Alters Membrane Structure and T Cell Responses in LDLrâ^'/â^' Mice. Journal of Immunology, 2016, 196, 3993-4002.	0.4	21
100	Munc18-1 is a molecular chaperone for Î±-synuclein, controlling its self-replicating aggregation. Journal of Cell Biology, 2016, 214, 705-718.	2.3	56
101	Highâ€density lipoprotein inhibits human M1 macrophage polarization through redistribution of caveolinâ€1. British Journal of Pharmacology, 2016, 173, 741-751.	2.7	67
102	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
103	An endosomal tether undergoes an entropic collapse to bring vesicles together. Nature, 2016, 537, 107-111.	13.7	135
104	Unraveling the architecture of caveolae. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 14170-14172.	3.3	22
105	Subdiffractional tracking of internalized molecules reveals heterogeneous motion states of synaptic vesicles. Journal of Cell Biology, 2016, 215, 277-292.	2.3	64
106	Interplay between hepatic mitochondria-associated membranes, lipid metabolism and caveolin-1 in mice. Scientific Reports, 2016, 6, 27351.	1.6	131
107	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
108	Resolution of Novel Pancreatic Ductal Adenocarcinoma Subtypes by Global Phosphotyrosine Profiling. Molecular and Cellular Proteomics, 2016, 15, 2671-2685.	2.5	29

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109	Mechanoprotection by skeletal muscle caveolae. Bioarchitecture, 2016, 6, 22-27.	1.5	29
110	New Transgenic Lines for Localization of GFP-Tagged Proteins by Electron Microscopy. Zebrafish, 2016, 13, 232-233.	0.5	1
111	Annexin A6 regulates interleukinâ€2â€mediated Tâ€cell proliferation. Immunology and Cell Biology, 2016, 94, 543-553.	1.0	26
112	AarF Domain Containing Kinase 3 (ADCK3) Mutant Cells Display Signs of Oxidative Stress, Defects in Mitochondrial Homeostasis and Lysosomal Accumulation. PLoS ONE, 2016, 11, e0148213.	1.1	15
113	MURC/cavin-4 Is Co-Expressed with Caveolin-3 in Rhabdomyosarcoma Tumors and Its Silencing Prevents Myogenic Differentiation in the Human Embryonal RD Cell Line. PLoS ONE, 2015, 10, e0130287.	1.1	2
114	Detection of GFP-labeled Proteins by Electron Microscopy. Microscopy and Microanalysis, 2015, 21, 531-532.	0.2	0
115	AMPK activation promotes lipid droplet dispersion on detyrosinated microtubules to increase mitochondrial fatty acid oxidation. Nature Communications, 2015, 6, 7176.	5.8	215
116	Oligomerization and endocytosis of Hedgehog is necessary for its efficient exovesicular secretion. Molecular Biology of the Cell, 2015, 26, 4700-4717.	0.9	33
117	An RPTPÎ±/Src family kinase/Rap1 signaling module recruits myosin IIB to support contractile tension at apical E-cadherin junctions. Molecular Biology of the Cell, 2015, 26, 1249-1262.	0.9	39
118	Are caveolae a cellular entry route for non-viral therapeutic delivery systems?. Advanced Drug Delivery Reviews, 2015, 91, 92-108.	6.6	60
119	Discreet and distinct clustering of five model membrane proteins revealed by single molecule localization microscopy. Molecular Membrane Biology, 2015, 32, 11-18.	2.0	8
120	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
121	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
122	Cavin family proteins and the assembly of caveolae. Journal of Cell Science, 2015, 128, 1269-1278.	1.2	181
123	Building endocytic pits without clathrin. Nature Reviews Molecular Cell Biology, 2015, 16, 311-321.	16.1	175
124	A phosphoinositide-binding cluster in cavin1 acts as a molecular sensor for cavin1 degradation. Molecular Biology of the Cell, 2015, 26, 3561-3569.	0.9	26
125	Caveolae control the antiâ€inflammatory phenotype of senescent endothelial cells. Aging Cell, 2015, 14, 102-111.	3.0	36
126	Kidney organoids from human iPS cells contain multiple lineages and model human nephrogenesis. Nature, 2015, 526, 564-568.	13.7	1,210

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127	Adherens Junctions Revisualized: Organizing Cadherins as Nanoassemblies. Developmental Cell, 2015, 35, 12-20.	3.1	100
128	Molecular Characterization of Caveolin-induced Membrane Curvature. Journal of Biological Chemistry, 2015, 290, 24875-24890.	1.6	85
129	APPL endosomes are not obligatory endocytic intermediates but act as stable cargo-sorting compartments. Journal of Cell Biology, 2015, 211, 123-144.	2.3	87
130	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
131	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
132	Visualization of the heterogeneous membrane distribution of sphingomyelin associated with cytokinesis, cell polarity, and sphingolipidosis. FASEB Journal, 2015, 29, 477-493.	0.2	76
133	Seeing and believing: recent advances in imaging cell-cell interactions. F1000Research, 2015, 4, 273.	0.8	5
134	Non-caveolar caveolin-1 expression in prostate cancer cells promotes lymphangiogenesis. Oncoscience, 2015, 2, 635-645.	0.9	22
135	Diet-induced hypercholesterolemia promotes androgen-independent prostate cancer metastasis via IQGAP1 and caveolin-1. Oncotarget, 2015, 6, 7438-7453.	0.8	41
136	Population Distribution Analyses Reveal a Hierarchy of Molecular Players Underlying Parallel Endocytic Pathways. PLoS ONE, 2014, 9, e100554.	1.1	17
137	Biogenesis of the multifunctional lipid droplet: Lipids, proteins, and sites. Journal of Cell Biology, 2014, 204, 635-646.	2.3	386
138	PTRF/cavin-1 neutralizes non-caveolar caveolin-1 microdomains in prostate cancer. Oncogene, 2014, 33, 3561-3570.	2.6	72
139	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
140	Endocytic Crosstalk: Cavins, Caveolins, and Caveolae Regulate Clathrin-Independent Endocytosis. PLoS Biology, 2014, 12, e1001832.	2.6	128
141	Pkd1 Regulates Lymphatic Vascular Morphogenesis during Development. Cell Reports, 2014, 7, 623-633.	2.9	77
142	Signal Integration by Lipid-Mediated Spatial Cross Talk between Ras Nanoclusters. Molecular and Cellular Biology, 2014, 34, 862-876.	1.1	119
143	Galectin-3 drives glycosphingolipid-dependent biogenesis of clathrin-independent carriers. Nature Cell Biology, 2014, 16, 592-603.	4.6	248
144	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

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145	Structural Insights into the Organization of the Cavin Membrane Coat Complex. Developmental Cell, 2014, 31, 405-419.	3.1	79
146	Cortactin Scaffolds Arp2/3 and WAVE2 at the Epithelial Zonula Adherens. Journal of Biological Chemistry, 2014, 289, 7764-7775.	1.6	59
147	Clathrin-Independent Pathways of Endocytosis. Cold Spring Harbor Perspectives in Biology, 2014, 6, a016758-a016758.	2.3	394
148	Cavinâ€1/PTRF alters prostate cancer cellâ€derived extracellular vesicle content and internalization to attenuate extracellular vesicleâ€mediated osteoclastogenesis and osteoblast proliferation. Journal of Extracellular Vesicles, 2014, 3, .	5.5	86
149	Caveolae regulate the nanoscale organization of the plasma membrane to remotely control Ras signaling. Journal of General Physiology, 2014, 143, 1434OIA10.	0.9	0
150	SnapShot: Caveolae, Caveolins, and Cavins. Cell, 2013, 154, 704-704.e1.	13.5	45
151	Cell-to-Cell Heterogeneity in Lipid Droplets Suggests a Mechanism to Reduce Lipotoxicity. Current Biology, 2013, 23, 1489-1496.	1.8	152
152	RhoD participates in the regulation of cell-cycle progression and centrosome duplication. Oncogene, 2013, 32, 1831-1842.	2.6	22
153	Caveola-forming proteins caveolin-1 and PTRF in prostate cancer. Nature Reviews Urology, 2013, 10, 529-536.	1.9	48
154	Characterisation of the adiponectin receptors: The non-conserved N-terminal region of AdipoR2 prevents its expression at the cell-surface. Biochemical and Biophysical Research Communications, 2013, 432, 28-33.	1.0	14
155	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
156	Glucose principally regulates insulin secretion in mouse islets by controlling the numbers of granule fusion events per cell. Diabetologia, 2013, 56, 2629-2637.	2.9	40
157	Caveolae as plasma membrane sensors, protectors and organizers. Nature Reviews Molecular Cell Biology, 2013, 14, 98-112.	16.1	740
158	Caveolin-1 Is Necessary for Hepatic Oxidative Lipid Metabolism: Evidence for Crosstalk between Caveolin-1 and Bile Acid Signaling. Cell Reports, 2013, 4, 238-247.	2.9	56
159	PNPLA3/adiponutrin functions in lipid droplet formation. Biology of the Cell, 2013, 105, 219-233.	0.7	79
160	Examination of the Subsarcolemmal Tubular System of Mammalian Skeletal Muscle Fibers. Biophysical Journal, 2013, 104, L19-L21.	0.2	23
161	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
162	Fendiline Inhibits K-Ras Plasma Membrane Localization and Blocks K-Ras Signal Transmission. Molecular and Cellular Biology, 2013, 33, 237-251.	1.1	94

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163	Acyl-CoA synthetase 3 promotes lipid droplet biogenesis in ER microdomains. Journal of Cell Biology, 2013, 203, 985-1001.	2.3	257
164	Patched1 is required in neural crest cells for the prevention of orofacial clefts. Human Molecular Genetics, 2013, 22, 5026-5035.	1.4	42
165	The HSP90 inhibitor geldanamycin perturbs endosomal structure and drives recycling ErbB2 and transferrin to modified MVBs/lysosomal compartments. Molecular Biology of the Cell, 2013, 24, 129-144.	0.9	44
166	The RhoD to centrosomal duplication. Small GTPases, 2013, 4, 116-122.	0.7	3
167	Building a Better Dynasore: The Dyngo Compounds Potently Inhibit Dynamin and Endocytosis. Traffic, 2013, 14, 1272-1289.	1.3	243
168	Single-molecule analysis reveals self assembly and nanoscale segregation of two distinct cavin subcomplexes on caveolae. ELife, 2013, 3, e01434.	2.8	114
169	PTRF/Cavin-1 decreases prostate cancer angiogenesis and lymphangiogenesis. Oncotarget, 2013, 4, 1844-1855.	0.8	42
170	Expression of PTRF in PC-3 Cells Modulates Cholesterol Dynamics and the Actin Cytoskeleton Impacting Secretion Pathways. Molecular and Cellular Proteomics, 2012, 11, M111.012245.	2.5	59
171	EHD2 regulates caveolar dynamics via ATP-driven targeting and oligomerization. Molecular Biology of the Cell, 2012, 23, 1316-1329.	0.9	165
172	Mutations in mouse Ift144 model the craniofacial, limb and rib defects in skeletal ciliopathies. Human Molecular Genetics, 2012, 21, 1808-1823.	1.4	70
173	Postlipolytic insulin-dependent remodeling of micro lipid droplets in adipocytes. Molecular Biology of the Cell, 2012, 23, 1826-1837.	0.9	59
174	Phosphocaveolin-1 is a mechanotransducer that induces caveola biogenesis via Egr1 transcriptional regulation. Journal of Cell Biology, 2012, 199, 425-435.	2.3	86
175	Staurosporines Disrupt Phosphatidylserine Trafficking and Mislocalize Ras Proteins. Journal of Biological Chemistry, 2012, 287, 43573-43584.	1.6	89
176	Constitutive Formation of Caveolae in a Bacterium. Cell, 2012, 150, 752-763.	13.5	126
177	Design and Application of InÂVivo FRET Biosensors to Identify Protein Prenylation and Nanoclustering Inhibitors. Chemistry and Biology, 2012, 19, 866-874.	6.2	30
178	Caveolin-1 Plays a Critical Role in the Differentiation of Monocytes into Macrophages. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, e117-25.	1.1	57
179	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
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