

# Robert G Parton

## List of Publications by Year in descending order

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Version: 2024-02-01

407  
papers

60,709  
citations

369

135  
h-index

1155

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	βIII-Tubulin Structural Domains Regulate Mitochondrial Network Architecture in an Isotype-Specific Manner. <i>Cells</i> , 2022, 11, 776.	1.8	2
3	The structure of caveolin finally takes shape. <i>Science Advances</i> , 2022, 8, eabq6985.	4.7	6
4	Volume electron microscopy. <i>Nature Reviews Methods Primers</i> , 2022, 2, .	11.8	46
5	Nanoparticle entry into cells; the cell biology weak link. <i>Advanced Drug Delivery Reviews</i> , 2022, 188, 114403.	6.6	31
6	An inverted CAV1 (caveolin 1) topology defines novel autophagy-dependent exosome secretion from prostate cancer cells. <i>Autophagy</i> , 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€BI/HLAâ€C. <i>Hepatology</i> , 2021, 73, 759-775.	3.6	24
8	Caveolinâ€1 influences epithelial collective cell migration via FMNL2 formin. <i>Biology of the Cell</i> , 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. <i>Traffic</i> , 2021, 22, 123-136.	1.3	21
10	Phosphorylation of PKCÎ by FER tips the balance from EGFR degradation to recycling. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	14
11	Proximity Dependent Biotin Labelling in Zebrafish for Proteome and Interactome Profiling. <i>Bio-protocol</i> , 2021, 11, e4178.	0.2	4
12	Caveolin-1 and cavin1 act synergistically to generate a unique lipid environment in caveolae. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	37
13	Inner retinal injury in experimental glaucoma is prevented upon AAV mediated Shp2 silencing in a caveolin dependent manner. <i>Theranostics</i> , 2021, 11, 6154-6172.	4.6	12
14	Cavin1 intrinsically disordered domains are essential for fuzzy electrostatic interactions and caveola formation. <i>Nature Communications</i> , 2021, 12, 931.	5.8	24
15	In vivo proteomic mapping through GFP-directed proximity-dependent biotin labelling in zebrafish. <i>ELife</i> , 2021, 10, .	2.8	39
16	Key principles and methods for studying the endocytosis of biological and nanoparticle therapeutics. <i>Nature Nanotechnology</i> , 2021, 16, 266-276.	15.6	509
17	Mechanotransduction activates RhoA in the neighbors of apoptotic epithelial cells to engage apical extrusion. <i>Current Biology</i> , 2021, 31, 1326-1336.e5.	1.8	45
18	High intraluminal pressure promotes vascular inflammation via caveolin-1. <i>Scientific Reports</i> , 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. <i>ELife</i> , 2021, 10, .	2.8	16
20	Caveolinâ€”driven membrane remodelling regulates hnRNPkâ€”mediated exosomal microRNA sorting in cancer. <i>Clinical and Translational Medicine</i> , 2021, 11, e381.	1.7	19
21	Nicotinamide riboside attenuates age-associated metabolic and functional changes in hematopoietic stem cells. <i>Nature Communications</i> , 2021, 12, 2665.	5.8	45
22	Nanoscape, a data-driven 3D real-time interactive virtual cell environment. <i>ELife</i> , 2021, 10, .	2.8	5
23	Lipid droplets and the hostâ€”pathogen dynamic: FATal attraction?. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	31
24	Cavin3 released from caveolae interacts with BRCA1 to regulate the cellular stress response. <i>ELife</i> , 2021, 10, .	2.8	11
25	Key phases in the formation of caveolae. <i>Current Opinion in Cell Biology</i> , 2021, 71, 7-14.	2.6	36
26	Impaired endoplasmic reticulum-mitochondrial signaling in ataxia-telangiectasia. <i>IScience</i> , 2021, 24, 101972.	1.9	15
27	Frontline Science: LPS-inducible SLC30A1 drives human macrophage-mediated zinc toxicity against intracellular <i>Escherichia coli</i> . <i>Journal of Leukocyte Biology</i> , 2021, 109, 287-297.	1.5	13
28	An anaplerotic approach to correct the mitochondrial dysfunction in ataxia-telangiectasia (A-T). <i>Molecular Metabolism</i> , 2021, 54, 101354.	3.0	5
29	Cavin4 interacts with Bin1 to promote T-tubule formation and stability in developing skeletal muscle. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	15
30	Cargo-specific recruitment in clathrin- and dynamin-independent endocytosis. <i>Nature Cell Biology</i> , 2021, 23, 1073-1084.	4.6	34
31	Ryanodine receptor leak triggers fiber Ca <sup>2+</sup> redistribution to preserve force and elevate basal metabolism in skeletal muscle. <i>Science Advances</i> , 2021, 7, eabi7166.	4.7	20
32	De novo macrocyclic peptides for inhibiting, stabilizing, and probing the function of the retromer endosomal trafficking complex. <i>Science Advances</i> , 2021, 7, eabg4007.	4.7	11
33	ContactJ: Lipid droplets-mitochondria contacts characterization through fluorescence microscopy and image analysis. <i>F1000Research</i> , 2021, 10, 263.	0.8	2
34	Loss of YhcB results in dysregulation of coordinated peptidoglycan, LPS and phospholipid synthesis during <i>Escherichia coli</i> cell growth. <i>PLoS Genetics</i> , 2021, 17, e1009586.	1.5	16
35	Twenty years of traffic: A 2020 vision of cellular electron microscopy. <i>Traffic</i> , 2020, 21, 156-161.	1.3	2
36	Caveolae: The FAQs. <i>Traffic</i> , 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. <i>FASEB Journal</i> , 2020, 34, 1345-1361.	0.2	23
38	Role for caveolin-mediated transcytosis in facilitating transport of large cargoes into the brain via ultrasound. <i>Journal of Controlled Release</i> , 2020, 327, 667-675.	4.8	41
39	Mammalian lipid droplets are innate immune hubs integrating cell metabolism and host defense. <i>Science</i> , 2020, 370, .	6.0	245
40	Modular transient nanoclustering of activated $\beta$ 2-adrenergic receptors revealed by single-molecule tracking of conformation-specific nanobodies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 30476-30487.	3.3	29
41	In vivo cell biological screening identifies an endocytic capture mechanism for T-tubule formation. <i>Nature Communications</i> , 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. <i>Journal of Cell Biology</i> , 2020, 219, .	2.3	75
43	Src kinases relax adherens junctions between the neighbors of apoptotic cells to permit apical extrusion. <i>Molecular Biology of the Cell</i> , 2020, 31, 2557-2569.	0.9	22
44	Caveolae Control Contractile Tension for Epithelia to Eliminate Tumor Cells. <i>Developmental Cell</i> , 2020, 54, 75-91.e7.	3.1	48
45	Novel contact sites between lipid droplets, early endosomes, and the endoplasmic reticulum. <i>Journal of Lipid Research</i> , 2020, 61, 1364.	2.0	9
46	Non-caveolar caveolins â€“ duties outside the caves. <i>Journal of Cell Science</i> , 2020, 133, .	1.2	35
47	Caveolin-1 Ablation Imparts Partial Protection Against Inner Retinal Injury in Experimental Glaucoma and Reduces Apoptotic Activation. <i>Molecular Neurobiology</i> , 2020, 57, 3759-3784.	1.9	14
48	Caveolae: Formation, dynamics, and function. <i>Current Opinion in Cell Biology</i> , 2020, 65, 8-16.	2.6	103
49	Lipid droplets, bioenergetic fluxes, and metabolic flexibility. <i>Seminars in Cell and Developmental Biology</i> , 2020, 108, 33-46.	2.3	37
50	Endocytosis Inhibition in Humans to Improve Responses to ADCC-Mediating Antibodies. <i>Cell</i> , 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. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 3724-3738.	1.6	9
52	Mapping Interactions among Cell-Free Expressed Zika Virus Proteins. <i>Journal of Proteome Research</i> , 2020, 19, 1522-1532.	1.8	11
53	Reactivation of Myc transcription in the mouse heart unlocks its proliferative capacity. <i>Nature Communications</i> , 2020, 11, 1827.	5.8	38
54	Live Confocal Imaging of Zebrafish Notochord Cells Under Mechanical Stress In Vivo. <i>Methods in Molecular Biology</i> , 2020, 2169, 175-187.	0.4	1

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55	Caveolae and lipid sorting: Shaping the cellular response to stress. <i>Journal of Cell Biology</i> , 2020, 219, .	2.3	47
56	Identification of intracellular cavin target proteins reveals cavin-PP1alpha interactions regulate apoptosis. <i>Nature Communications</i> , 2019, 10, 3279.	5.8	53
57	The membrane environment of cadherin adhesion receptors: a working hypothesis. <i>Biochemical Society Transactions</i> , 2019, 47, 985-995.	1.6	6
58	Faceted polymersomes: a sphere-to-polyhedron shape transformation. <i>Chemical Science</i> , 2019, 10, 2725-2731.	3.7	29
59	Drug-induced increase in lysobisphosphatidic acid reduces the cholesterol overload in Niemann-Pick type C cells and mice. <i>EMBO Reports</i> , 2019, 20, e47055.	2.0	33
60	Correlation of the invasive potential of glioblastoma and expression of caveola-forming proteins caveolin-1 and CAVIN1. <i>Journal of Neuro-Oncology</i> , 2019, 143, 207-220.	1.4	8
61	Myosin Vb is required for correct trafficking of N-cadherin and cardiac chamber ballooning. <i>Developmental Dynamics</i> , 2019, 248, 284-295.	0.8	6
62	Colocalization of Tpm3.1 and myosin IIa heads defines a discrete subdomain in stress fibres. <i>Journal of Cell Science</i> , 2019, 132, .	1.2	15
63	An Abl-FBP17 mechanosensing system couples local plasma membrane curvature and stress fiber remodeling during mechanoadaptation. <i>Nature Communications</i> , 2019, 10, 5828.	5.8	50
64	Retromer has a selective function in cargo sorting via endosome transport carriers. <i>Journal of Cell Biology</i> , 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). <i>Molecular Cell</i> , 2019, 73, 458-473.e7.	4.5	143
66	Membrane Curvature and Tension Control the Formation and Collapse of Caveolar Superstructures. <i>Developmental Cell</i> , 2019, 48, 523-538.e4.	3.1	53
67	Development of a human skeletal micro muscle platform with pacing capabilities. <i>Biomaterials</i> , 2019, 198, 217-227.	5.7	38
68	Caveolae. <i>Current Biology</i> , 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. <i>Journal of Cell Biology</i> , 2018, 217, 975-995.	2.3	164
70	Cell-free formation and interactome analysis of caveolae. <i>Journal of Cell Biology</i> , 2018, 217, 2141-2165.	2.3	48
71	Journey to the centre of the cell: Virtual reality immersion into scientific data. <i>Traffic</i> , 2018, 19, 105-110.	1.3	74
72	Caveolae: Structure, Function, and Relationship to Disease. <i>Annual Review of Cell and Developmental Biology</i> , 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. <i>Nature Communications</i> , 2018, 9, 4217.	5.8	106
74	Minimum information reporting in bioRxiv nano experimental literature. <i>Nature Nanotechnology</i> , 2018, 13, 777-785.	15.6	455
75	Ultrastructural localisation of protein interactions using conditionally stable nanobodies. <i>PLoS Biology</i> , 2018, 16, e2005473.	2.6	42
76	Rab5 and Alsln regulate stress-activated cytoprotective signaling on mitochondria. <i>ELife</i> , 2018, 7, .	2.8	65
77	A variable undecad repeat domain in cavin1 regulates caveola formation and stability. <i>EMBO Reports</i> , 2018, 19, .	2.0	23
78	Small GTPases and BAR domain proteins regulate branched actin polymerisation for clathrin and dynamin-independent endocytosis. <i>Nature Communications</i> , 2018, 9, 1835.	5.8	74
79	Development of a human cardiac organoid injury model reveals innate regenerative potential. <i>Development (Cambridge)</i> , 2017, 144, 1118-1127.	1.2	127
80	A plasmid library of full-length zebrafish rab proteins for <i>in vivo</i> cell biology. <i>Cellular Logistics</i> , 2017, 7, e1301151.	0.9	6
81	Correlative light and electron microscopic detection of GFP-labeled proteins using modular APEX. <i>Methods in Cell Biology</i> , 2017, 140, 105-121.	0.5	13
82	Mammalian Diaphanous 1 Mediates a Pathway for E-cadherin to Stabilize Epithelial Barriers through Junctional Contractility. <i>Cell Reports</i> , 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. <i>Basic Research in Cardiology</i> , 2017, 112, 24.	2.5	15
84	Laser-mediated rupture of chlamydial inclusions triggers pathogen egress and host cell necrosis. <i>Nature Communications</i> , 2017, 8, 14729.	5.8	17
85	ORP5 and ORP8 bind phosphatidylinositol-4, 5-biphosphate (PtdIns(4,5)P <sub>2</sub> ) and regulate its level at the plasma membrane. <i>Nature Communications</i> , 2017, 8, 757.	5.8	150
86	Tyrosine dephosphorylated cortactin downregulates contractility at the epithelial zonula adherens through SRGAP1. <i>Nature Communications</i> , 2017, 8, 790.	5.8	27
87	A kinetic view of GPCR allostery and biased agonism. <i>Nature Chemical Biology</i> , 2017, 13, 929-937.	3.9	126
88	A microtubule-organizing center directing intracellular transport in the early mouse embryo. <i>Science</i> , 2017, 357, 925-928.	6.0	101
89	Functional screening in human cardiac organoids reveals a metabolic mechanism for cardiomyocyte cell cycle arrest. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E8372-E8381.	3.3	361
90	Phosphatidylserine dictates the assembly and dynamics of caveolae in the plasma membrane. <i>Journal of Biological Chemistry</i> , 2017, 292, 14292-14307.	1.6	68

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91	Caveolin 1 restricts Group A Streptococcus invasion of nonphagocytic host cells. <i>Cellular Microbiology</i> , 2017, 19, e12772.	1.1	11
92	Caveolae Protect Notochord Cells against Catastrophic Mechanical Failure during Development. <i>Current Biology</i> , 2017, 27, 1968-1981.e7.	1.8	74
93	A novel sphingomyelin/cholesterol domain-specific probe reveals the dynamics of the membrane domains during virus release and in Niemann-Pick type C. <i>FASEB Journal</i> , 2017, 31, 1301-1322.	0.2	34
94	A distinct plasma lipid signature associated with poor prognosis in castration-resistant prostate cancer. <i>International Journal of Cancer</i> , 2017, 141, 2112-2120.	2.3	54
95	Parkinson Disease-linked Vps35 R524W Mutation Impairs the Endosomal Association of Retromer and Induces $\alpha$ -Synuclein Aggregation. <i>Journal of Biological Chemistry</i> , 2016, 291, 18283-18298.	1.6	68
96	Nanomolar oligomerization and selective co-aggregation of $\alpha$ -synuclein pathogenic mutants revealed by single-molecule fluorescence. <i>Scientific Reports</i> , 2016, 6, 37630.	1.6	29
97	Human immune cell targeting of protein nanoparticles "caveospheres". <i>Nanoscale</i> , 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. <i>Developmental Cell</i> , 2016, 37, 58-71.	3.1	103
99	Prolonged Intake of Dietary Lipids Alters Membrane Structure and T Cell Responses in LDL <sup>−/−</sup> Mice. <i>Journal of Immunology</i> , 2016, 196, 3993-4002.	0.4	21
100	Munc18-1 is a molecular chaperone for $\alpha$ -synuclein, controlling its self-replicating aggregation. <i>Journal of Cell Biology</i> , 2016, 214, 705-718.	2.3	56
101	High-density lipoprotein inhibits human M1 macrophage polarization through redistribution of caveolin-1. <i>British Journal of Pharmacology</i> , 2016, 173, 741-751.	2.7	67
102	Functional role of T-cell receptor nanoclusters in signal initiation and antigen discrimination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E5454-63.	3.3	194
103	An endosomal tether undergoes an entropic collapse to bring vesicles together. <i>Nature</i> , 2016, 537, 107-111.	13.7	135
104	Unraveling the architecture of caveolae. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 14170-14172.	3.3	22
105	Subdiffractional tracking of internalized molecules reveals heterogeneous motion states of synaptic vesicles. <i>Journal of Cell Biology</i> , 2016, 215, 277-292.	2.3	64
106	Interplay between hepatic mitochondria-associated membranes, lipid metabolism and caveolin-1 in mice. <i>Scientific Reports</i> , 2016, 6, 27351.	1.6	131
107	SEIPIN Regulates Lipid Droplet Expansion and Adipocyte Development by Modulating the Activity of Glycerol-3-phosphate Acyltransferase. <i>Cell Reports</i> , 2016, 17, 1546-1559.	2.9	148
108	Resolution of Novel Pancreatic Ductal Adenocarcinoma Subtypes by Global Phosphotyrosine Profiling. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 2671-2685.	2.5	29

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109	Mechanoprotection by skeletal muscle caveolae. <i>Bioarchitecture</i> , 2016, 6, 22-27.	1.5	29
110	New Transgenic Lines for Localization of GFP-Tagged Proteins by Electron Microscopy. <i>Zebrafish</i> , 2016, 13, 232-233.	0.5	1
111	Annexin A6 regulates interleukin-2-mediated T cell proliferation. <i>Immunology and Cell Biology</i> , 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. <i>PLoS ONE</i> , 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. <i>PLoS ONE</i> , 2015, 10, e0130287.	1.1	2
114	Detection of GFP-labeled Proteins by Electron Microscopy. <i>Microscopy and Microanalysis</i> , 2015, 21, 531-532.	0.2	0
115	AMPK activation promotes lipid droplet dispersion on detyrosinated microtubules to increase mitochondrial fatty acid oxidation. <i>Nature Communications</i> , 2015, 6, 7176.	5.8	215
116	Oligomerization and endocytosis of Hedgehog is necessary for its efficient exovesicular secretion. <i>Molecular Biology of the Cell</i> , 2015, 26, 4700-4717.	0.9	33
117	An RPTP±/Src family kinase/Rap1 signaling module recruits myosin IIB to support contractile tension at apical E-cadherin junctions. <i>Molecular Biology of the Cell</i> , 2015, 26, 1249-1262.	0.9	39
118	Are caveolae a cellular entry route for non-viral therapeutic delivery systems?. <i>Advanced Drug Delivery Reviews</i> , 2015, 91, 92-108.	6.6	60
119	Discreet and distinct clustering of five model membrane proteins revealed by single molecule localization microscopy. <i>Molecular Membrane Biology</i> , 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. <i>Journal of Biological Chemistry</i> , 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. <i>Autophagy</i> , 2015, 11, 769-784.	4.3	112
122	Cavin family proteins and the assembly of caveolae. <i>Journal of Cell Science</i> , 2015, 128, 1269-1278.	1.2	181
123	Building endocytic pits without clathrin. <i>Nature Reviews Molecular Cell Biology</i> , 2015, 16, 311-321.	16.1	175
124	A phosphoinositide-binding cluster in cavin1 acts as a molecular sensor for cavin1 degradation. <i>Molecular Biology of the Cell</i> , 2015, 26, 3561-3569.	0.9	26
125	Caveolae control the anti-inflammatory phenotype of senescent endothelial cells. <i>Aging Cell</i> , 2015, 14, 102-111.	3.0	36
126	Kidney organoids from human iPS cells contain multiple lineages and model human nephrogenesis. <i>Nature</i> , 2015, 526, 564-568.	13.7	1,210



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127	Adherens Junctions Revisualized: Organizing Cadherins as Nanoassemblies. <i>Developmental Cell</i> , 2015, 35, 12-20.	3.1	100
128	Molecular Characterization of Caveolin-induced Membrane Curvature. <i>Journal of Biological Chemistry</i> , 2015, 290, 24875-24890.	1.6	85
129	APPL endosomes are not obligatory endocytic intermediates but act as stable cargo-sorting compartments. <i>Journal of Cell Biology</i> , 2015, 211, 123-144.	2.3	87
130	The caveolin-cavin system plays a conserved and critical role in mechanoprotection of skeletal muscle. <i>Journal of Cell Biology</i> , 2015, 210, 833-849.	2.3	133
131	Modular Detection of GFP-Labeled Proteins for Rapid Screening by Electron Microscopy in Cells and Organisms. <i>Developmental Cell</i> , 2015, 35, 513-525.	3.1	119
132	Visualization of the heterogeneous membrane distribution of sphingomyelin associated with cytokinesis, cell polarity, and sphingolipidosis. <i>FASEB Journal</i> , 2015, 29, 477-493.	0.2	76
133	Seeing and believing: recent advances in imaging cell-cell interactions. <i>F1000Research</i> , 2015, 4, 273.	0.8	5
134	Non-caveolar caveolin-1 expression in prostate cancer cells promotes lymphangiogenesis. <i>Oncoscience</i> , 2015, 2, 635-645.	0.9	22
135	Diet-induced hypercholesterolemia promotes androgen-independent prostate cancer metastasis via IQGAP1 and caveolin-1. <i>Oncotarget</i> , 2015, 6, 7438-7453.	0.8	41
136	Population Distribution Analyses Reveal a Hierarchy of Molecular Players Underlying Parallel Endocytic Pathways. <i>PLoS ONE</i> , 2014, 9, e100554.	1.1	17
137	Biogenesis of the multifunctional lipid droplet: Lipids, proteins, and sites. <i>Journal of Cell Biology</i> , 2014, 204, 635-646.	2.3	386
138	PTRF/cavin-1 neutralizes non-caveolar caveolin-1 microdomains in prostate cancer. <i>Oncogene</i> , 2014, 33, 3561-3570.	2.6	72
139	Caveolae regulate the nanoscale organization of the plasma membrane to remotely control Ras signaling. <i>Journal of Cell Biology</i> , 2014, 204, 777-792.	2.3	112
140	Endocytic Crosstalk: Cavins, Caveolins, and Caveolae Regulate Clathrin-Independent Endocytosis. <i>PLoS Biology</i> , 2014, 12, e1001832.	2.6	128
141	Pkd1 Regulates Lymphatic Vascular Morphogenesis during Development. <i>Cell Reports</i> , 2014, 7, 623-633.	2.9	77
142	Signal Integration by Lipid-Mediated Spatial Cross Talk between Ras Nanoclusters. <i>Molecular and Cellular Biology</i> , 2014, 34, 862-876.	1.1	119
143	Galectin-3 drives glycosphingolipid-dependent biogenesis of clathrin-independent carriers. <i>Nature Cell Biology</i> , 2014, 16, 592-603.	4.6	248
144	Cortical F-actin stabilization generates apical-lateral patterns of junctional contractility that integrate cells into epithelia. <i>Nature Cell Biology</i> , 2014, 16, 167-178.	4.6	199

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145	Structural Insights into the Organization of the Cavin Membrane Coat Complex. <i>Developmental Cell</i> , 2014, 31, 405-419.	3.1	79
146	Cortactin Scaffolds Arp2/3 and WAVE2 at the Epithelial Zonula Adherens. <i>Journal of Biological Chemistry</i> , 2014, 289, 7764-7775.	1.6	59
147	Clathrin-Independent Pathways of Endocytosis. <i>Cold Spring Harbor Perspectives in Biology</i> , 2014, 6, a016758-a016758.	2.3	394
148	Cavin-1/PTRF alters prostate cancer cell-derived extracellular vesicle content and internalization to attenuate extracellular vesicle-mediated osteoclastogenesis and osteoblast proliferation. <i>Journal of Extracellular Vesicles</i> , 2014, 3, .	5.5	86
149	Caveolae regulate the nanoscale organization of the plasma membrane to remotely control Ras signaling. <i>Journal of General Physiology</i> , 2014, 143, 1434OIA10.	0.9	0
150	SnapShot: Caveolae, Caveolins, and Cavins. <i>Cell</i> , 2013, 154, 704-704.e1.	13.5	45
151	Cell-to-Cell Heterogeneity in Lipid Droplets Suggests a Mechanism to Reduce Lipotoxicity. <i>Current Biology</i> , 2013, 23, 1489-1496.	1.8	152
152	RhoD participates in the regulation of cell-cycle progression and centrosome duplication. <i>Oncogene</i> , 2013, 32, 1831-1842.	2.6	22
153	Caveola-forming proteins caveolin-1 and PTRF in prostate cancer. <i>Nature Reviews Urology</i> , 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. <i>Biochemical and Biophysical Research Communications</i> , 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. <i>Journal of Biological Chemistry</i> , 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. <i>Diabetologia</i> , 2013, 56, 2629-2637.	2.9	40
157	Caveolae as plasma membrane sensors, protectors and organizers. <i>Nature Reviews Molecular Cell Biology</i> , 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. <i>Cell Reports</i> , 2013, 4, 238-247.	2.9	56
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