

Gregory Fairn

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

52 papers	2,452 citations	30 h-index	49 g-index
57 ext. papers	3,063 ext. citations	9.5 avg, IF	5.42 L-index

#	Paper	IF	Citations
52	High-resolution mapping reveals topologically distinct cellular pools of phosphatidylserine. <i>Journal of Cell Biology</i> , 2011 , 194, 257-75	7.3	214
51	VAPs and ACBD5 tether peroxisomes to the ER for peroxisome maintenance and lipid homeostasis. <i>Journal of Cell Biology</i> , 2017 , 216, 367-377	7.3	142
50	Phosphatidylserine is polarized and required for proper Cdc42 localization and for development of cell polarity. <i>Nature Cell Biology</i> , 2011 , 13, 1424-30	23.4	137
49	Complementary probes reveal that phosphatidylserine is required for the proper transbilayer distribution of cholesterol. <i>Journal of Cell Science</i> , 2015 , 128, 1422-33	5.3	133
48	Contribution of phosphatidylserine to membrane surface charge and protein targeting during phagosome maturation. <i>Journal of Cell Biology</i> , 2009 , 185, 917-28	7.3	102
47	PI(4,5)P controls plasma membrane PI4P and PS levels via ORP5/8 recruitment to ER-PM contact sites. <i>Journal of Cell Biology</i> , 2018 , 217, 1797-1813	7.3	100
46	Phospholipid subcellular localization and dynamics. <i>Journal of Biological Chemistry</i> , 2018 , 293, 6230-6240	5.4	96
45	The oxysterol binding protein Kes1p regulates Golgi apparatus phosphatidylinositol-4-phosphate function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 15352-7	11.5	89
44	Transcellular vesicular transport in epithelial and endothelial cells: Challenges and opportunities. <i>Traffic</i> , 2018 , 19, 5-18	5.7	82
43	Cleavage furrow organization requires PIP(2)-mediated recruitment of anillin. <i>Current Biology</i> , 2012 , 22, 64-9	6.3	80
42	Diacylglycerol kinases terminate diacylglycerol signaling during the respiratory burst leading to heterogeneous phagosomal NADPH oxidase activation.. <i>Journal of Biological Chemistry</i> , 2014 , 289, 48135-4	5.4	78
41	An electrostatic switch displaces phosphatidylinositol phosphate kinases from the membrane during phagocytosis. <i>Journal of Cell Biology</i> , 2009 , 187, 701-14	7.3	71
40	Molecular probes to visualize the location, organization and dynamics of lipids. <i>Journal of Cell Science</i> , 2014 , 127, 4801-12	5.3	64
39	Bruton's Tyrosine Kinase (BTK) and Vav1 contribute to Dectin1-dependent phagocytosis of <i>Candida albicans</i> in macrophages. <i>PLoS Pathogens</i> , 2013 , 9, e1003446	7.6	64
38	SR-BI Mediated Transcytosis of HDL in Brain Microvascular Endothelial Cells Is Independent of Caveolin, Clathrin, and PDZK1. <i>Frontiers in Physiology</i> , 2017 , 8, 841	4.6	61
37	Membrane curvature induced by proximity of anionic phospholipids can initiate endocytosis. <i>Nature Communications</i> , 2017 , 8, 1393	17.4	59
36	Inhibition of Acid Sphingomyelinase Depletes Cellular Phosphatidylserine and Mislocalizes K-Ras from the Plasma Membrane. <i>Molecular and Cellular Biology</i> , 2016 , 36, 363-74	4.8	57

35	Emerging roles of the oxysterol-binding protein family in metabolism, transport, and signaling. <i>Cellular and Molecular Life Sciences</i> , 2008 , 65, 228-36	10.3	57
34	Phospholipid transfer protein Sec14 is required for trafficking from endosomes and regulates distinct trans-Golgi export pathways. <i>Journal of Biological Chemistry</i> , 2009 , 284, 7364-75	5.4	52
33	A chemogenomic screen in <i>Saccharomyces cerevisiae</i> uncovers a primary role for the mitochondria in farnesol toxicity and its regulation by the Pkc1 pathway. <i>Journal of Biological Chemistry</i> , 2007 , 282, 4868-4874	5.4	51
32	Palmitoylation of NOD1 and NOD2 is required for bacterial sensing. <i>Science</i> , 2019 , 366, 460-467	33.3	45
31	Phosphatidylserine dictates the assembly and dynamics of caveolae in the plasma membrane. <i>Journal of Biological Chemistry</i> , 2017 , 292, 14292-14307	5.4	45
30	Distribution, dynamics and functional roles of phosphatidylserine within the cell. <i>Cell Communication and Signaling</i> , 2019 , 17, 126	7.5	44
29	An ATG16L1-dependent pathway promotes plasma membrane repair and limits <i>Listeria monocytogenes</i> cell-to-cell spread. <i>Nature Microbiology</i> , 2018 , 3, 1472-1485	26.6	40
28	Phagolysosome resolution requires contacts with the endoplasmic reticulum and phosphatidylinositol-4-phosphate signalling. <i>Nature Cell Biology</i> , 2019 , 21, 1234-1247	23.4	38
27	Gliotoxin Suppresses Macrophage Immune Function by Subverting Phosphatidylinositol 3,4,5-Trisphosphate Homeostasis. <i>MBio</i> , 2016 , 7, e02242	7.8	38
26	Akt-ing Up Just About Everywhere: Compartment-Specific Akt Activation and Function in Receptor Tyrosine Kinase Signaling. <i>Frontiers in Cell and Developmental Biology</i> , 2019 , 7, 70	5.7	37
25	Mesoscale organization of domains in the plasma membrane - beyond the lipid raft. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2018 , 53, 192-207	8.7	33
24	Diacylglycerol kinases terminate diacylglycerol signaling during the respiratory burst leading to heterogeneous phagosomal NADPH oxidase activation. <i>Journal of Biological Chemistry</i> , 2013 , 288, 23090-104	5.4	31
23	Perfringolysin O Theta Toxin as a Tool to Monitor the Distribution and Inhomogeneity of Cholesterol in Cellular Membranes. <i>Toxins</i> , 2016 , 8,	4.9	31
22	Cresyl violet: a superior fluorescent lysosomal marker. <i>Traffic</i> , 2016 , 17, 1313-1321	5.7	29
21	Membrane metabolism mediated by Sec14 family members influences Arf GTPase activating protein activity for transport from the trans-Golgi. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 12777-82	11.5	22
20	CD44 Antibody Inhibition of Macrophage Phagocytosis Targets Fcγ Receptor- and Complement Receptor 3-Dependent Mechanisms. <i>Journal of Immunology</i> , 2016 , 196, 3331-40	5.3	21
19	The roles of the human lipid-binding proteins ORP9S and ORP10S in vesicular transport. <i>Biochemistry and Cell Biology</i> , 2005 , 83, 631-6	3.6	20
18	Integrity under stress: Host membrane remodelling and damage by fungal pathogens. <i>Cellular Microbiology</i> , 2019 , 21, e13016	3.9	18

17	Phosphatidylinositol transfer protein- α in platelets is inconsequential for thrombosis yet is utilized for tumor metastasis. <i>Nature Communications</i> , 2017 , 8, 1216	17.4	15
16	Bem3, a Cdc42 GTPase-activating protein, traffics to an intracellular compartment and recruits the secretory Rab GTPase Sec4 to endomembranes. <i>Journal of Cell Science</i> , 2013 , 126, 4560-71	5.3	15
15	PPAR-delta modulates membrane cholesterol and cytokine signaling in malignant B cells. <i>Leukemia</i> , 2018 , 32, 184-193	10.7	13
14	Cell biology. A one-sided signal. <i>Science</i> , 2008 , 320, 458-60	33.3	13
13	Both the PH domain and N-terminal region of oxysterol-binding protein related protein 8S are required for localization to PM-ER contact sites. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 496, 1088-1094	3.4	12
12	Cell biology. Precursor or charge supplier?. <i>Science</i> , 2012 , 337, 653-4	33.3	12
11	Salmonella exploits host Rho GTPase signalling pathways through the phosphatase activity of SopB. <i>Cellular Microbiology</i> , 2018 , 20, e12938	3.9	11
10	Localization of lipid raft proteins to the plasma membrane is a major function of the phospholipid transfer protein Sec14. <i>PLoS ONE</i> , 2013 , 8, e55388	3.7	11
9	The yeast oxysterol binding protein Kes1 maintains sphingolipid levels. <i>PLoS ONE</i> , 2013 , 8, e60485	3.7	11
8	A weak base-generating system suitable for selective manipulation of lysosomal pH. <i>Traffic</i> , 2011 , 12, 1490-500	5.7	10
7	Is basic science disappearing from medicine? The decline of biomedical research in the medical literature. <i>FASEB Journal</i> , 2016 , 30, 515-8	0.9	9
6	Induction of spontaneous curvature and endocytosis: Unwanted consequences of cholesterol extraction using methyl- β -cyclodextrin. <i>Communicative and Integrative Biology</i> , 2018 , 11, 1-4	1.7	9
5	Quantitative Live-Cell Fluorescence Microscopy During Phagocytosis. <i>Methods in Molecular Biology</i> , 2017 , 1519, 79-91	1.4	8
4	Regulation of phosphoinositide levels by the phospholipid transfer protein Sec14p controls Cdc42p/p21-activated kinase-mediated cell cycle progression at cytokinesis. <i>Eukaryotic Cell</i> , 2007 , 6, 1814-23		8
3	Should basic science matter to clinicians?. <i>Lancet, The</i> , 2018 , 391, 410-412	4.0	6
2	7-Ketocholesterol impairs phagocytosis and efferocytosis via dysregulation of phosphatidylinositol 4,5-bisphosphate. <i>Traffic</i> , 2018 , 19, 591-604	5.7	4
1	Enforced expression of phosphatidylinositol 4-phosphate 5-kinase homolog alters PtdIns(4,5)P distribution and the localization of small G-proteins. <i>Scientific Reports</i> , 2019 , 9, 14789	4.9	1