

Gregory Fairn

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

3,373
citations

159573

30
h-index

168376

53
g-index

57
all docs

57
docs citations

57
times ranked

5524
citing authors

#	ARTICLE	IF	CITATIONS
1	High-resolution mapping reveals topologically distinct cellular pools of phosphatidylserine. <i>Journal of Cell Biology</i> , 2011, 194, 257-275.	5.2	249
2	VAPs and ACBD5 tether peroxisomes to the ER for peroxisome maintenance and lipid homeostasis. <i>Journal of Cell Biology</i> , 2017, 216, 367-377.	5.2	214
3	Complementary probes reveal that phosphatidylserine is required for the proper transbilayer distribution of cholesterol. <i>Journal of Cell Science</i> , 2015, 128, 1422-1433.	2.0	209
4	Phosphatidylserine is polarized and required for proper Cdc42 localization and for development of cell polarity. <i>Nature Cell Biology</i> , 2011, 13, 1424-1430.	10.3	166
5	Phospholipid subcellular localization and dynamics. <i>Journal of Biological Chemistry</i> , 2018, 293, 6230-6240.	3.4	159
6	PI(4,5)P2 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.	5.2	153
7	Contribution of phosphatidylserine to membrane surface charge and protein targeting during phagosome maturation. <i>Journal of Cell Biology</i> , 2009, 185, 917-928.	5.2	120
8	Transcellular vesicular transport in epithelial and endothelial cells: Challenges and opportunities. <i>Traffic</i> , 2018, 19, 5-18.	2.7	117
9	Palmitoylation of NOD1 and NOD2 is required for bacterial sensing. <i>Science</i> , 2019, 366, 460-467.	12.6	109
10	Cleavage Furrow Organization Requires PIP2-Mediated Recruitment of Anillin. <i>Current Biology</i> , 2012, 22, 64-69.	3.9	104
11	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.	3.7	97
12	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, 15352-15357.	7.1	95
13	Inhibition of Acid Sphingomyelinase Depletes Cellular Phosphatidylserine and Mislocalizes K-Ras from the Plasma Membrane. <i>Molecular and Cellular Biology</i> , 2016, 36, 363-374.	2.3	92
14	An electrostatic switch displaces phosphatidylinositol phosphate kinases from the membrane during phagocytosis. <i>Journal of Cell Biology</i> , 2009, 187, 701-714.	5.2	86
15	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.	2.8	85
16	Distribution, dynamics and functional roles of phosphatidylserine within the cell. <i>Cell Communication and Signaling</i> , 2019, 17, 126.	6.5	85
17	Molecular probes to visualize the location, organization and dynamics of lipids. <i>Journal of Cell Science</i> , 2014, 127, 4801-12.	2.0	81
18	Membrane curvature induced by proximity of anionic phospholipids can initiate endocytosis. <i>Nature Communications</i> , 2017, 8, 1393.	12.8	80

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19	Phagolysosome resolution requires contacts with the endoplasmic reticulum and phosphatidylinositol-4-phosphate signalling. <i>Nature Cell Biology</i> , 2019, 21, 1234-1247.	10.3	80
20	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.	4.7	77
21	Phosphatidylserine dictates the assembly and dynamics of caveolae in the plasma membrane. <i>Journal of Biological Chemistry</i> , 2017, 292, 14292-14307.	3.4	68
22	Emerging roles of the oxysterol-binding protein family in metabolism, transport, and signaling. <i>Cellular and Molecular Life Sciences</i> , 2008, 65, 228-236.	5.4	67
23	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.	3.4	60
24	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, 7364-7375.	3.4	60
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.	5.2	57
26	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.	13.3	57
27	Glitoxin Suppresses Macrophage Immune Function by Subverting Phosphatidylinositol 3,4,5-Trisphosphate Homeostasis. <i>MBio</i> , 2016, 7, e02242.	4.1	54
28	Cresyl violet: a superior fluorescent lysosomal marker. <i>Traffic</i> , 2016, 17, 1313-1321.	2.7	49
29	Perfringolysin O Theta Toxin as a Tool to Monitor the Distribution and Inhomogeneity of Cholesterol in Cellular Membranes. <i>Toxins</i> , 2016, 8, 67.	3.4	40
30	Diacylglycerol Kinases Terminate Diacylglycerol Signaling during the Respiratory Burst Leading to Heterogeneous Phagosomal NADPH Oxidase Activation. <i>Journal of Biological Chemistry</i> , 2013, 288, 23090-23104.	3.4	35
31	Integrity under stress: Host membrane remodelling and damage by fungal pathogens. <i>Cellular Microbiology</i> , 2019, 21, e13016.	2.1	28
32	CD44 Antibody Inhibition of Macrophage Phagocytosis Targets Fc γ 3 Receptor- and Complement Receptor 3-Dependent Mechanisms. <i>Journal of Immunology</i> , 2016, 196, 3331-3340.	0.8	25
33	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, 12777-12782.	7.1	23
34	Phosphatidylinositol transfer protein- β in platelets is inconsequential for thrombosis yet is utilized for tumor metastasis. <i>Nature Communications</i> , 2017, 8, 1216.	12.8	22
35	PPAR- δ modulates membrane cholesterol and cytokine signaling in malignant B cells. <i>Leukemia</i> , 2018, 32, 184-193.	7.2	22
36	<i>Salmonella</i> exploits host Rho GTPase signalling pathways through the phosphatase activity of SopB. <i>Cellular Microbiology</i> , 2018, 20, e12938.	2.1	22

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37	The roles of the human lipid-binding proteins ORP9S and ORP10S in vesicular transport. <i>Biochemistry and Cell Biology</i> , 2005, 83, 631-636.	2.0	20
38	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.	2.0	19
39	Kinase-independent synthesis of 3-phosphorylated phosphoinositides by a phosphotransferase. <i>Nature Cell Biology</i> , 2022, 24, 708-722.	10.3	18
40	Is basic science disappearing from medicine? The decline of biomedical research in the medical literature. <i>FASEB Journal</i> , 2016, 30, 515-518.	0.5	17
41	Fyn and TOM1L1 are recruited to clathrin-coated pits and regulate Akt signaling. <i>Journal of Cell Biology</i> , 2022, 221, .	5.2	17
42	A One-Sided Signal. <i>Science</i> , 2008, 320, 458-460.	12.6	14
43	The Yeast Oxysterol Binding Protein Kes1 Maintains Sphingolipid Levels. <i>PLoS ONE</i> , 2013, 8, e60485.	2.5	14
44	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.	1.4	14
45	Precursor or Charge Supplier?. <i>Science</i> , 2012, 337, 653-654.	12.6	13
46	Should basic science matter to clinicians?. <i>Lancet, The</i> , 2018, 391, 410-412.	18.7	13
47	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.	2.5	12
48	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.	2.1	12
49	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, 1814-1823.	3.4	10
50	A Weak Base-Generating System Suitable for Selective Manipulation of Lysosomal pH. <i>Traffic</i> , 2011, 12, 1490-1500.	2.7	10
51	Quantitative Live-Cell Fluorescence Microscopy During Phagocytosis. <i>Methods in Molecular Biology</i> , 2017, 1519, 79-91.	0.9	10
52	β -Ketocholesterol impairs phagocytosis and efferocytosis via dysregulation of phosphatidylinositol 4,5-bisphosphate. <i>Traffic</i> , 2018, 19, 591-604.	2.7	7
53	Enforced expression of phosphatidylinositol 4-phosphate 5-kinase homolog alters PtdIns(4,5)P ₂ distribution and the localization of small G-proteins. <i>Scientific Reports</i> , 2019, 9, 14789.	3.3	4
54	Diacylglycerol kinases terminate diacylglycerol signaling during the respiratory burst leading to heterogeneous phagosomal NADPH oxidase activation.. <i>Journal of Biological Chemistry</i> , 2014, 289, 4813.	3.4	0