

# Tamas Balla

## List of Publications by Citations

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164  
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177  
ext. papers

17,886  
ext. citations

8.1  
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L-index

#	Paper	IF	Citations
164	A pharmacological map of the PI3-K family defines a role for p110alpha in insulin signaling. <i>Cell</i> , <b>2006</b> , 125, 733-47	56.2	963
163	Structural and functional features and significance of the physical linkage between ER and mitochondria. <i>Journal of Cell Biology</i> , <b>2006</b> , 174, 915-21	7.3	937
162	Phosphoinositides: tiny lipids with giant impact on cell regulation. <i>Physiological Reviews</i> , <b>2013</b> , 93, 1019-137	13.9	931
161	Chaperone-mediated coupling of endoplasmic reticulum and mitochondrial Ca <sup>2+</sup> channels. <i>Journal of Cell Biology</i> , <b>2006</b> , 175, 901-11	7.3	888
160	Visualization of phosphoinositides that bind pleckstrin homology domains: calcium- and agonist-induced dynamic changes and relationship to myo-[ <sup>3</sup> H]inositol-labeled phosphoinositide pools. <i>Journal of Cell Biology</i> , <b>1998</b> , 143, 501-10	7.3	679
159	Imaging interorganelle contacts and local calcium dynamics at the ER-mitochondrial interface. <i>Molecular Cell</i> , <b>2010</b> , 39, 121-32	17.6	510
158	Viral reorganization of the secretory pathway generates distinct organelles for RNA replication. <i>Cell</i> , <b>2010</b> , 141, 799-811	56.2	481
157	Recruitment and activation of a lipid kinase by hepatitis C virus NS5A is essential for integrity of the membranous replication compartment. <i>Cell Host and Microbe</i> , <b>2011</b> , 9, 32-45	23.4	385
156	PI4P and PI(4,5)P <sub>2</sub> are essential but independent lipid determinants of membrane identity. <i>Science</i> , <b>2012</b> , 337, 727-30	33.3	311
155	Phosphatidylinositol 4-kinases: old enzymes with emerging functions. <i>Trends in Cell Biology</i> , <b>2006</b> , 16, 351-61	18.3	288
154	Rapidly inducible changes in phosphatidylinositol 4,5-bisphosphate levels influence multiple regulatory functions of the lipid in intact living cells. <i>Journal of Cell Biology</i> , <b>2006</b> , 175, 377-82	7.3	274
153	A novel probe for phosphatidylinositol 4-phosphate reveals multiple pools beyond the Golgi. <i>Journal of Cell Biology</i> , <b>2014</b> , 205, 113-26	7.3	265
152	Restricted accumulation of phosphatidylinositol 3-kinase products in a plasmalemmal subdomain during Fc gamma receptor-mediated phagocytosis. <i>Journal of Cell Biology</i> , <b>2001</b> , 153, 1369-80	7.3	244
151	Control of cell polarity and motility by the PtdIns(3,4,5)P <sub>3</sub> phosphatase SHIP1. <i>Nature Cell Biology</i> , <b>2007</b> , 9, 36-44	23.4	237
150	Phosphatidylinositol 3-kinase-dependent membrane association of the Bruton's tyrosine kinase pleckstrin homology domain visualized in single living cells. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 10983-9	5.4	236
149	A plasma membrane pool of phosphatidylinositol 4-phosphate is generated by phosphatidylinositol 4-kinase type-III alpha: studies with the PH domains of the oxysterol binding protein and FAPP1. <i>Molecular Biology of the Cell</i> , <b>2005</b> , 16, 1282-95	3.5	218
148	Dual regulation of TRPV1 by phosphoinositides. <i>Journal of Neuroscience</i> , <b>2007</b> , 27, 7070-80	6.6	214

147	Loss of endocytic clathrin-coated pits upon acute depletion of phosphatidylinositol 4,5-bisphosphate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 3793-8	11.5	211
146	Visualization and manipulation of plasma membrane-endoplasmic reticulum contact sites indicates the presence of additional molecular components within the STIM1-Orai1 Complex. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 29678-90	5.4	207
145	Inositol-lipid binding motifs: signal integrators through protein-lipid and protein-protein interactions. <i>Journal of Cell Science</i> , <b>2005</b> , 118, 2093-104	5.3	207
144	Monitoring agonist-induced phospholipase C activation in live cells by fluorescence resonance energy transfer. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 15337-44	5.4	202
143	Intracellular pH regulation by Na(+)/H(+) exchange requires phosphatidylinositol 4,5-bisphosphate. <i>Journal of Cell Biology</i> , <b>2000</b> , 150, 213-24	7.3	175
142	Active Arf6 recruits ARNO/cytohesin GEFs to the PM by binding their PH domains. <i>Molecular Biology of the Cell</i> , <b>2007</b> , 18, 2244-53	3.5	168
141	The functional universe of membrane contact sites. <i>Nature Reviews Molecular Cell Biology</i> , <b>2020</b> , 21, 7-24	8.7	168
140	Activation of STIM1-Orai1 involves an intramolecular switching mechanism. <i>Science Signaling</i> , <b>2010</b> , 3, ra82	8.8	164
139	A pleckstrin homology domain specific for phosphatidylinositol 4, 5-bisphosphate (PtdIns-4,5-P2) and fused to green fluorescent protein identifies plasma membrane PtdIns-4,5-P2 as being important in exocytosis. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 17878-85	5.4	159
138	Characterization of type II phosphatidylinositol 4-kinase isoforms reveals association of the enzymes with endosomal vesicular compartments. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 20041-50	5.4	155
137	Maintenance of hormone-sensitive phosphoinositide pools in the plasma membrane requires phosphatidylinositol 4-kinase IIIalpha. <i>Molecular Biology of the Cell</i> , <b>2008</b> , 19, 711-21	3.5	154
136	Polyphosphoinositide binding domains: Key to inositol lipid biology. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2015</b> , 1851, 746-58	5	153
135	PIP2 hydrolysis underlies agonist-induced inhibition and regulates voltage gating of two-pore domain K <sup>+</sup> channels. <i>Journal of Physiology</i> , <b>2005</b> , 564, 117-29	3.9	143
134	Differential PI 3-kinase dependence of early and late phases of recycling of the internalized AT1 angiotensin receptor. <i>Journal of Cell Biology</i> , <b>2002</b> , 157, 1211-22	7.3	143
133	Phosphatidylinositol-Phosphatidic Acid Exchange by Nir2 at ER-PM Contact Sites Maintains Phosphoinositide Signaling Competence. <i>Developmental Cell</i> , <b>2015</b> , 33, 549-61	10.2	139
132	STIM and Orai: the long-awaited constituents of store-operated calcium entry. <i>Trends in Pharmacological Sciences</i> , <b>2009</b> , 30, 118-28	13.2	136
131	A highly dynamic ER-derived phosphatidylinositol-synthesizing organelle supplies phosphoinositides to cellular membranes. <i>Developmental Cell</i> , <b>2011</b> , 21, 813-24	10.2	135
130	Acute manipulation of Golgi phosphoinositides to assess their importance in cellular trafficking and signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 8225-30	11.5	128

129	How accurately can we image inositol lipids in living cells?. <i>Trends in Pharmacological Sciences</i> , <b>2000</b> , 21, 238-41	13.2	128
128	Selective cellular effects of overexpressed pleckstrin-homology domains that recognize PtdIns(3,4,5)P3 suggest their interaction with protein binding partners. <i>Journal of Cell Science</i> , <b>2005</b> , 118, 4879-88	5.3	123
127	Interaction of neuronal calcium sensor-1 (NCS-1) with phosphatidylinositol 4-kinase beta stimulates lipid kinase activity and affects membrane trafficking in COS-7 cells. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 40183-9	5.4	119
126	Live cell imaging of phosphoinositide dynamics with fluorescent protein domains. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2006</b> , 1761, 957-67	5	118
125	c-Met must translocate to the nucleus to initiate calcium signals. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 4344-51	5.4	115
124	Dependence of STIM1/Orai1-mediated calcium entry on plasma membrane phosphoinositides. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 21027-35	5.4	114
123	Phosphoinositide signaling: new tools and insights. <i>Physiology</i> , <b>2009</b> , 24, 231-44	9.8	114
122	Phosphatidylinositol 4-kinase IIIbeta regulates the transport of ceramide between the endoplasmic reticulum and Golgi. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 36369-77	5.4	107
121	A conserved NPLFY sequence contributes to agonist binding and signal transduction but is not an internalization signal for the type 1 angiotensin II receptor. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 16602-9	5.4	101
120	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> , <b>2018</b> , 217, 1797-1813	7.3	100
119	Inositol lipid binding and membrane localization of isolated pleckstrin homology (PH) domains. Studies on the PH domains of phospholipase C delta 1 and p130. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 27412-22	5.4	100
118	Characterization of a soluble adrenal phosphatidylinositol 4-kinase reveals wortmannin sensitivity of type III phosphatidylinositol kinases. <i>Biochemistry</i> , <b>1996</b> , 35, 3587-94	3.2	100
117	The ligand binding site of the angiotensin AT1 receptor. <i>Trends in Pharmacological Sciences</i> , <b>1996</b> , 17, 135-40	13.2	99
116	Dual roles for the Drosophila PI 4-kinase four wheel drive in localizing Rab11 during cytokinesis. <i>Journal of Cell Biology</i> , <b>2009</b> , 187, 847-58	7.3	97
115	Visualizing cellular phosphoinositide pools with GFP-fused protein-modules. <i>Science Signaling</i> , <b>2002</b> , 2002, pl3	8.8	96
114	Phosphatidylinositol 4-kinases: hostages harnessed to build panviral replication platforms. <i>Trends in Biochemical Sciences</i> , <b>2012</b> , 37, 293-302	10.3	93
113	Pharmacological and genetic targeting of the PI4KA enzyme reveals its important role in maintaining plasma membrane phosphatidylinositol 4-phosphate and phosphatidylinositol 4,5-bisphosphate levels. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 6120-32	5.4	91
112	Live cell imaging with protein domains capable of recognizing phosphatidylinositol 4,5-bisphosphate; a comparative study. <i>BMC Cell Biology</i> , <b>2009</b> , 10, 67		84

111	Two phosphatidylinositol 4-kinases control lysosomal delivery of the Gaucher disease enzyme, $\beta$ -glucocerebrosidase. <i>Molecular Biology of the Cell</i> , <b>2012</b> , 23, 1533-45	3.5	75
110	Regulation of connexin43 gap junctional communication by phosphatidylinositol 4,5-bisphosphate. <i>Journal of Cell Biology</i> , <b>2007</b> , 177, 881-91	7.3	70
109	Structural determinants of Ras-Raf interaction analyzed in live cells. <i>Molecular Biology of the Cell</i> , <b>2002</b> , 13, 2323-33	3.5	70
108	Isolation and molecular cloning of wortmannin-sensitive bovine type III phosphatidylinositol 4-kinases. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 18358-66	5.4	70
107	Phosphatidylinositol 4-kinases. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>1998</b> , 1436, 69-85	5	69
106	Lenz-Majewski mutations in PTDSS1 affect phosphatidylinositol 4-phosphate metabolism at ER-PM and ER-Golgi junctions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 4314-9	11.5	66
105	Enteropathogenic Escherichia coli subverts phosphatidylinositol 4,5-bisphosphate and phosphatidylinositol 3,4,5-trisphosphate upon epithelial cell infection. <i>Molecular Biology of the Cell</i> , <b>2009</b> , 20, 544-55	3.5	62
104	Phosphoinositide-derived messengers in endocrine signaling. <i>Journal of Endocrinology</i> , <b>2006</b> , 188, 135-53	4.7	62
103	G protein-coupled receptor-promoted trafficking of Gbeta1gamma2 leads to AKT activation at endosomes via a mechanism mediated by Gbeta1gamma2-Rab11a interaction. <i>Molecular Biology of the Cell</i> , <b>2008</b> , 19, 4188-200	3.5	59
102	Visualization of cellular phosphoinositide pools with GFP-fused protein-domains. <i>Current Protocols in Cell Biology</i> , <b>2009</b> , Chapter 24, Unit 24.4	2.3	56
101	Inhibition of Na,K-ATPase activates PI3 kinase and inhibits apoptosis in LLC-PK1 cells. <i>Biochemical and Biophysical Research Communications</i> , <b>2001</b> , 285, 46-51	3.4	56
100	The dynamics of plasma membrane PtdIns(4,5)P <sub>2</sub> at fertilization of mouse eggs. <i>Journal of Cell Science</i> , <b>2002</b> , 115, 2139-2149	5.3	53
99	Structural insights and in vitro reconstitution of membrane targeting and activation of human PI4KB by the ACBD3 protein. <i>Scientific Reports</i> , <b>2016</b> , 6, 23641	4.9	50
98	Recruitment of arfaptins to the trans-Golgi network by PI(4)P and their involvement in cargo export. <i>EMBO Journal</i> , <b>2013</b> , 32, 1717-29	13	49
97	Imaging and manipulating phosphoinositides in living cells. <i>Journal of Physiology</i> , <b>2007</b> , 582, 927-37	3.9	49
96	Critical role of a conserved intramembrane tyrosine residue in angiotensin II receptor activation. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 9702-5	5.4	49
95	The dynamics of plasma membrane PtdIns(4,5)P <sub>2</sub> at fertilization of mouse eggs. <i>Journal of Cell Science</i> , <b>2002</b> , 115, 2139-49	5.3	48
94	Pharmacology of phosphoinositides, regulators of multiple cellular functions. <i>Current Pharmaceutical Design</i> , <b>2001</b> , 7, 475-507	3.3	47

93	Possible role of calcium uptake and calmodulin in adrenal glomerulosa cells: effects of verapamil and trifluoperazine. <i>Biochemical Pharmacology</i> , <b>1982</b> , 31, 1267-71	6	47
92	Multiphasic dynamics of phosphatidylinositol 4-phosphate during phagocytosis. <i>Molecular Biology of the Cell</i> , <b>2017</b> , 28, 128-140	3.5	46
91	A homogeneous and nonisotopic assay for phosphatidylinositol 4-kinases. <i>Analytical Biochemistry</i> , <b>2011</b> , 417, 97-102	3.1	45
90	Germline recessive mutations in PI4KA are associated with perisylvian polymicrogyria, cerebellar hypoplasia and arthrogryposis. <i>Human Molecular Genetics</i> , <b>2015</b> , 24, 3732-41	5.6	42
89	The crystal structure of the phosphatidylinositol 4-kinase II. <i>EMBO Reports</i> , <b>2014</b> , 15, 1085-92	6.5	42
88	Angiotensin-induced formation and metabolism of inositol polyphosphates in bovine adrenal glomerulosa cells. <i>Biochemical and Biophysical Research Communications</i> , <b>1987</b> , 142, 15-22	3.4	42
87	Acute depletion of plasma membrane phosphatidylinositol 4,5-bisphosphate impairs specific steps in endocytosis of the G-protein-coupled receptor. <i>Journal of Cell Science</i> , <b>2012</b> , 125, 2185-97	5.3	40
86	Visualization and manipulation of phosphoinositide dynamics in live cells using engineered protein domains. <i>Pflugers Archiv European Journal of Physiology</i> , <b>2007</b> , 455, 69-82	4.6	40
85	A membrane capture assay for lipid kinase activity. <i>Nature Protocols</i> , <b>2007</b> , 2, 2459-66	18.8	40
84	Phosphatidylinositol 4-phosphate and phosphatidylinositol 3-phosphate regulate phagolysosome biogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 4636-41	11.5	39
83	Live cell imaging of phosphoinositides with expressed inositide binding protein domains. <i>Methods</i> , <b>2008</b> , 46, 167-76	4.6	39
82	Quantifying lipid changes in various membrane compartments using lipid binding protein domains. <i>Cell Calcium</i> , <b>2017</b> , 64, 72-82	4	38
81	Inositol lipid regulation of lipid transfer in specialized membrane domains. <i>Trends in Cell Biology</i> , <b>2013</b> , 23, 270-8	18.3	38
80	Distinct properties of the two isoforms of CDP-diacylglycerol synthase. <i>Biochemistry</i> , <b>2014</b> , 53, 7358-67	3.2	37
79	Lipid Dynamics at Contact Sites Between the Endoplasmic Reticulum and Other Organelles. <i>Annual Review of Cell and Developmental Biology</i> , <b>2019</b> , 35, 85-109	12.6	36
78	Endosomal sorting of VAMP3 is regulated by PI4K2A. <i>Journal of Cell Science</i> , <b>2014</b> , 127, 3745-56	5.3	36
77	Targeted expression of the inositol 1,4,5-triphosphate receptor (IP3R) ligand-binding domain releases Ca <sup>2+</sup> via endogenous IP3R channels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 7859-64	11.5	36
76	Intracellular curvature-generating proteins in cell-to-cell fusion. <i>Biochemical Journal</i> , <b>2011</b> , 440, 185-93	3.8	35



75	Phosphatidylinositol 4,5-bisphosphate controls Rab7 and PLEKHM1 membrane cycling during autophagosome-lysosome fusion. <i>EMBO Journal</i> , <b>2019</b> , 38, e100312	13	34
74	Inositol polyphosphate production and regulation of cytosolic calcium during the biphasic activation of adrenal glomerulosa cells by angiotensin II. <i>Archives of Biochemistry and Biophysics</i> , <b>1989</b> , 270, 398-403	4.1	33
73	Nucleolar localization of phosphatidylinositol 4-kinase PI4K230 in various mammalian cells. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , <b>2006</b> , 69, 1174-83	4.6	32
72	BRET-monitoring of the dynamic changes of inositol lipid pools in living cells reveals a PKC-dependent PtdIns4P increase upon EGF and M3 receptor activation. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2016</b> , 1861, 177-87	5	31
71	Control of calcium signal propagation to the mitochondria by inositol 1,4,5-trisphosphate-binding proteins. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 12820-32	5.4	31
70	Formation of inositol 1,3,4,6-tetrakisphosphate during angiotensin II action in bovine adrenal glomerulosa cells. <i>Biochemical and Biophysical Research Communications</i> , <b>1987</b> , 148, 199-205	3.4	31
69	Design of drug-resistant alleles of type-III phosphatidylinositol 4-kinases using mutagenesis and molecular modeling. <i>Biochemistry</i> , <b>2008</b> , 47, 1599-607	3.2	30
68	Regulation of Ca <sup>2+</sup> entry by inositol lipids in mammalian cells by multiple mechanisms. <i>Cell Calcium</i> , <b>2009</b> , 45, 527-34	4	28
67	Store-operated Ca <sup>2+</sup> influx and subplasmalemmal mitochondria. <i>Cell Calcium</i> , <b>2009</b> , 46, 49-55	4	28
66	Control of phosphatidylinositol turnover in adrenal glomerulosa cells. <i>Lipids and Lipid Metabolism</i> , <b>1982</b> , 713, 352-7		28
65	Characterization of recombinant phosphatidylinositol 4-kinase beta reveals auto- and heterophosphorylation of the enzyme. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 14642-8	5.4	26
64	Signaling events activated by angiotensin II receptors: what goes before and after the calcium signals. <i>Endocrine Research</i> , <b>1998</b> , 24, 335-44	1.9	26
63	Crucial role of phosphatidylinositol 4-kinase IIIalpha in development of zebrafish pectoral fin is linked to phosphoinositide 3-kinase and FGF signaling. <i>Journal of Cell Science</i> , <b>2009</b> , 122, 4303-10	5.3	25
62	A PH domain in the Arf GTPase-activating protein (GAP) ARAP1 binds phosphatidylinositol 3,4,5-trisphosphate and regulates Arf GAP activity independently of recruitment to the plasma membranes. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 28069-28083	5.4	25
61	Green light to illuminate signal transduction events. <i>Trends in Cell Biology</i> , <b>2009</b> , 19, 575-86	18.3	25
60	Control of glomerulosa cell function by angiotensin II: transduction by G-proteins and inositol polyphosphates. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>1988</b> , 15, 501-15	3	25
59	Phosphatidylinositol 4,5-bisphosphate controls Rab7 and PLEKHM 1 membrane cycling during autophagosome-lysosome fusion. <i>EMBO Journal</i> , <b>2019</b> , 38,	13	25
58	The pleckstrin homology domain of phosphoinositide-specific phospholipase Cdelta4 is not a critical determinant of the membrane localization of the enzyme. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 24362-71	5.4	24

57	Metabolism of inositol-1,3,4,6-tetrakisphosphate to inositol pentakisphosphate in adrenal glomerulosa cells. <i>Biochemical and Biophysical Research Communications</i> , <b>1988</b> , 157, 1247-52	3-4	24
56	Defining the subcellular distribution and metabolic channeling of phosphatidylinositol. <i>Journal of Cell Biology</i> , <b>2020</b> , 219,	7-3	24
55	The ML1Nx2 Phosphatidylinositol 3,5-Bisphosphate Probe Shows Poor Selectivity in Cells. <i>PLoS ONE</i> , <b>2015</b> , 10, e0139957	3-7	23
54	Secretion of VEGF-165 has unique characteristics, including shedding from the plasma membrane. <i>Molecular Biology of the Cell</i> , <b>2014</b> , 25, 1061-72	3-5	23
53	Ca and lipid signals hold hands at endoplasmic reticulum-plasma membrane contact sites. <i>Journal of Physiology</i> , <b>2018</b> , 596, 2709-2716	3-9	23
52	Investigation of the fate of type I angiotensin receptor after biased activation. <i>Molecular Pharmacology</i> , <b>2015</b> , 87, 972-81	4-3	22
51	ORP3 phosphorylation regulates phosphatidylinositol 4-phosphate and Ca dynamics at plasma membrane-ER contact sites. <i>Journal of Cell Science</i> , <b>2020</b> , 133,	5-3	22
50	Schwann-Cell-Specific Deletion of Phosphatidylinositol 4-Kinase Alpha Causes Aberrant Myelination. <i>Cell Reports</i> , <b>2018</b> , 23, 2881-2890	10.6	22
49	Ribosome-associated vesicles: A dynamic subcompartment of the endoplasmic reticulum in secretory cells. <i>Science Advances</i> , <b>2020</b> , 6, eaay9572	14-3	20
48	Regulation of angiotensin II-stimulated Ca <sup>2+</sup> oscillations by Ca <sup>2+</sup> influx mechanisms in adrenal glomerulosa cells. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 22063-9	5-4	19
47	Phosphatidylinositol and phosphatidic acid transport between the ER and plasma membrane during PLC activation requires the Nir2 protein. <i>Biochemical Society Transactions</i> , <b>2016</b> , 44, 197-201	5-1	18
46	EFR3s are palmitoylated plasma membrane proteins that control responsiveness to G-protein-coupled receptors. <i>Journal of Cell Science</i> , <b>2015</b> , 128, 118-28	5-3	18
45	High-performance reversed-phase ion-pair chromatographic study of myo-inositol phosphates. Separation of myo-inositol phosphates, some common nucleotides and sugar phosphates. <i>Journal of Chromatography A</i> , <b>1990</b> , 523, 201-16	4-5	18
44	Phosphoinositide 3-kinase is required for intracellular <i>Listeria monocytogenes</i> actin-based motility and filopod formation. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 11379-86	5-4	17
43	Lipid synthesis and transport are coupled to regulate membrane lipid dynamics in the endoplasmic reticulum. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2020</b> , 1865, 158461	5	17
42	Plasma membrane phosphatidylinositol 4-phosphate and 4,5-bisphosphate determine the distribution and function of K-Ras4B but not H-Ras proteins. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 18862-18877	5-4	16
41	III spectrin regulates the structural integrity and the secretory protein transport of the Golgi complex. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 2157-66	5-4	16
40	Localization of two distinct type III phosphatidylinositol 4-kinase enzyme mRNAs in the rat. <i>American Journal of Physiology - Cell Physiology</i> , <b>2000</b> , 278, C914-20	5-4	16



39	The effect of angiotensin II on arachidonate metabolism in adrenal glomerulosa cells. <i>Biochemical Pharmacology</i> , <b>1985</b> , 34, 3439-44	6	15
38	The effect of various calmodulin inhibitors on the response of adrenal glomerulosa cells to angiotensin II and cyclic AMP. <i>Biochemical Pharmacology</i> , <b>1982</b> , 31, 3705-7	6	15
37	Measurement of inositol 1,4,5-trisphosphate in living cells using an improved set of resonance energy transfer-based biosensors. <i>PLoS ONE</i> , <b>2015</b> , 10, e0125601	3.7	15
36	Astrocytes spatially restrict VEGF signaling by polarized secretion and incorporation of VEGF into the actively assembling extracellular matrix. <i>Glia</i> , <b>2016</b> , 64, 440-56	9	15
35	Polyphosphoinositide-Binding Domains: Insights from Peripheral Membrane and Lipid-Transfer Proteins. <i>Advances in Experimental Medicine and Biology</i> , <b>2019</b> , 1111, 77-137	3.6	15
34	Genetic and functional studies of phosphatidylinositol 4-kinase type IIIβ. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2011</b> , 1811, 476-83	5	14
33	Molecular anatomy of the early events in STIM1 activation - oligomerization or conformational change?. <i>Journal of Cell Science</i> , <b>2017</b> , 130, 2821-2832	5.3	13
32	Metabolism of inositol 1,4,5-trisphosphate to higher inositol phosphates in bovine adrenal cytosol. <i>American Journal of Hypertension</i> , <b>1989</b> , 2, 387-94	2.3	13
31	Integrated regulation of the phosphatidylinositol cycle and phosphoinositide-driven lipid transport at ER-PM contact sites. <i>Traffic</i> , <b>2020</b> , 21, 200-219	5.7	13
30	Phosphoinositides and calcium signaling New aspects and diverse functions in cell regulation. <i>Trends in Endocrinology and Metabolism</i> , <b>1994</b> , 5, 250-5	8.8	12
29	Acute depletion of plasma membrane phosphatidylinositol 4,5-bisphosphate impairs specific steps in endocytosis of the G-protein-coupled receptor. <i>Journal of Cell Science</i> , <b>2012</b> , 125, 3013-3013	5.3	10
28	Modulation of agonist-induced inositol phosphate metabolism by cyclic adenosine 3',5'-cyclic monophosphate in adrenal glomerulosa cells. <i>Molecular Endocrinology</i> , <b>1990</b> , 4, 1712-9		10
27	Characterization of the c10orf76-PI4KB complex and its necessity for Golgi PI4P levels and enterovirus replication. <i>EMBO Reports</i> , <b>2020</b> , 21, e48441	6.5	10
26	PHOSPHOINOSITIDES AND CALCIUM SIGNALING. A MARRIAGE ARRANGED IN ER-PM CONTACT SITES. <i>Current Opinion in Physiology</i> , <b>2020</b> , 17, 149-157	2.6	9
25	A large scale high-throughput screen identifies chemical inhibitors of phosphatidylinositol 4-kinase type II alpha. <i>Journal of Lipid Research</i> , <b>2019</b> , 60, 683-693	6.3	7
24	Cell biology: Lipid code for membrane recycling. <i>Nature</i> , <b>2016</b> , 529, 292-3	50.4	7
23	Emerging roles of phosphatidylinositol 4-phosphate and phosphatidylinositol 4,5-bisphosphate as regulators of multiple steps in autophagy. <i>Journal of Biochemistry</i> , <b>2020</b> , 168, 329-336	3.1	7
22	Phosphatidylinositol-4-kinase IIβ licenses phagosomes for TLR4 signaling and MHC-II presentation in dendritic cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 28251-28262	11.5	7

21	PI(3,4)P <sub>2</sub> -mediated cytokinetic abscission prevents early senescence and cataract formation. <i>Science</i> , <b>2021</b> , 374, eabk0410	33.3	7
20	Demonstration of angiotensin II-induced Ras activation in the trans-Golgi network and endoplasmic reticulum using bioluminescence resonance energy transfer-based biosensors. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 5319-27	5.4	6
19	Angiotensin II stimulates phosphatidylinositol turnover in adrenal glomerulosa cells by a calcium-independent mechanism. <i>Lipids and Lipid Metabolism</i> , <b>1983</b> , 753, 133-5		6
18	Putting G protein-coupled receptor-mediated activation of phospholipase C in the limelight. <i>Journal of General Physiology</i> , <b>2010</b> , 135, 77-80	3.4	5
17	Myelination of peripheral nerves is controlled by PI4KB through regulation of Schwann cell Golgi function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 28102-28113	11.5	13
16	Inactivation of the PtdIns(4)P phosphatase Sac1 at the Golgi by HO produced via Ca-dependent Duox in EGF-stimulated cells. <i>Free Radical Biology and Medicine</i> , <b>2019</b> , 131, 40-49	7.8	5
15	Role of calcium ions and calmodulin in the aldosterone stimulating action of prostaglandin E <sub>2</sub> . <i>The Journal of Steroid Biochemistry</i> , <b>1982</b> , 16, 493-4		4
14	Palmitoylation targets the calcineurin phosphatase to the phosphatidylinositol 4-kinase complex at the plasma membrane. <i>Nature Communications</i> , <b>2021</b> , 12, 6064	17.4	4
13	Finding partners for PI3Kgamma: when 84 is better than 101. <i>Science Signaling</i> , <b>2009</b> , 2, pe35	8.8	3
12	A tail of new lipids. <i>EMBO Journal</i> , <b>2014</b> , 33, 2140-1	13	2
11	Found in the crystal: phospholipid ligands for nuclear orphan receptors. <i>Trends in Endocrinology and Metabolism</i> , <b>2005</b> , 16, 289-90	8.8	2
10	Defining the Subcellular Distribution and Metabolic Channeling of Phosphatidylinositol		1
9	Lenz-Majewski syndrome: How a single mutation leads to complex changes in lipid metabolism. <i>Journal of Rare Diseases Research &amp; Treatment</i> , <b>2016</b> , 2, 47-51	1.1	1
8	Accumulation of PtdIns(4)P at the Golgi mediated by reversible oxidation of the PtdIns(4)P phosphatase Sac1 by HO. <i>Free Radical Biology and Medicine</i> , <b>2019</b> , 130, 426-435	7.8	1
7	Biallelic PI4KA variants cause neurological, intestinal and immunological disease. <i>Brain</i> , <b>2021</b> ,	11.2	1
6	Calcium-Prolactin Secretion Coupling in Rat Pituitary Lactotrophs Is Controlled by PI4-Kinase Alpha.. <i>Frontiers in Endocrinology</i> , <b>2021</b> , 12, 790441	5.7	0
5	Monitoring Non-vesicular Transport of Phosphatidylserine and Phosphatidylinositol 4-Phosphate in Intact Cells by BRET Analysis. <i>Methods in Molecular Biology</i> , <b>2019</b> , 1949, 13-22	1.4	
4	Specific Receptors for Inositol 1,4,5-Trisphosphate in Endocrine Target Tissues <b>1989</b> , 193-203		

- 3 Nir2 Plays a Central Role in ER-PM Junctions Maintaining Phosphoinositide Signaling Competence. *FASEB Journal*, **2015**, 29, LB177 0.9
- 2 The secretion of VEGF165 involves a shedding step from the cell surface. *FASEB Journal*, **2013**, 27, 591.40.9
- 1 A new role for plasma membrane phosphatidylinositol 4-phosphate (PI4P)? *FASEB Journal*, **2013**, 27, lb84 0.9