Tamas Balla

List of Publications by Year
in descending order

171 papers	19,417 citations	16437 64 h-index	11928 134 g-index
178 all docs	178 docs citations	178 times ranked	16945 citing authors

#	Article	IF	Citations
1	Phosphoinositides: Tiny Lipids With Giant Impact on Cell Regulation. Physiological Reviews, 2013, 93, 1019-1137.	13.1	1,281
2	Structural and functional features and significance of the physical linkage between ER and mitochondria. Journal of Cell Biology, 2006, 174, 915-921.	2.3	1,123
3	Chaperone-mediated coupling of endoplasmic reticulum and mitochondrial Ca2+ channels. Journal of Cell Biology, 2006, 175, 901-911.	2.3	1,107
4	A Pharmacological Map of the PI3-K Family Defines a Role for p110Î± in Insulin Signaling. Cell, 2006, 125, 733-747.	13.5	1,074
5	Visualization of Phosphoinositides That Bind Pleckstrin Homology Domains: Calcium- and Agonist-induced Dynamic Changes and Relationship to Myo-[3H]inositol-labeled Phosphoinositide Pools. Journal of Cell Biology, 1998, 143, 501-510.	2.3	765
6	Imaging Interorganelle Contacts and Local Calcium Dynamics at the ER-Mitochondrial Interface. Molecular Cell, 2010, 39, 121-132.	4.5	630
7	Viral Reorganization of the Secretory Pathway Generates Distinct Organelles for RNA Replication. Cell, 2010, 141, 799-811.	13.5	591
8	Recruitment and Activation of a Lipid Kinase by Hepatitis C Virus NS5A Is Essential for Integrity of the Membranous Replication Compartment. Cell Host and Microbe, 2011, 9, 32-45.	5.1	435
9	PI4P and PI(4,5)P ₂ Are Essential But Independent Lipid Determinants of Membrane Identity. Science, 2012, 337, 727-730.	6.0	435
10	The functional universe of membrane contact sites. Nature Reviews Molecular Cell Biology, 2020, 21, 7-24.	16.1	386
11	A novel probe for phosphatidylinositol 4-phosphate reveals multiple pools beyond the Golgi. Journal of Cell Biology, 2014, 205, 113-126.	2.3	358
12	Phosphatidylinositol 4-kinases: old enzymes with emerging functions. Trends in Cell Biology, 2006, 16, 351-361.	3.6	346
13	Rapidly inducible changes in phosphatidylinositol 4,5-bisphosphate levels influence multiple regulatory functions of the lipid in intact living cells. Journal of Cell Biology, 2006, 175, 377-382.	2.3	316
14	Control of cell polarity and motility by the PtdIns(3,4,5)P3 phosphatase SHIP1. Nature Cell Biology, 2007, 9, 36-44.	4.6	277
15	Restricted Accumulation of Phosphatidylinositol 3-Kinase Products in a Plasmalemmal Subdomain during FcÎ³ Receptor-Mediated Phagocytosis. Journal of Cell Biology, 2001, 153, 1369-1380.	2.3	266
16	Phosphatidylinositol 3-Kinase-dependent Membrane Association of the Bruton's Tyrosine Kinase Pleckstrin Homology Domain Visualized in Single Living Cells. Journal of Biological Chemistry, 1999, 274, 10983-10989.	1.6	259
17	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. Molecular Biology of the Cell, 2005, 16, 1282-1295.	0.9	241
18	Dual Regulation of TRPV1 by Phosphoinositides. Journal of Neuroscience, 2007, 27, 7070-7080.	1.7	241

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19	Loss of endocytic clathrin-coated pits upon acute depletion of phosphatidylinositol 4,5-bisphosphate. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 3793-3798.	3.3	240
20	Visualization and Manipulation of Plasma Membrane-Endoplasmic Reticulum Contact Sites Indicates the Presence of Additional Molecular Components within the STIM1-Orai1 Complex. Journal of Biological Chemistry, 2007, 282, 29678-29690.	1.6	228
21	Inositol-lipid binding motifs: signal integrators through protein-lipid and protein-protein interactions. Journal of Cell Science, 2005, 118, 2093-2104.	1.2	227
22	Monitoring Agonist-induced Phospholipase C Activation in Live Cells by Fluorescence Resonance Energy Transfer. Journal of Biological Chemistry, 2001, 276, 15337-15344.	1.6	225
23	Polyphosphoinositide binding domains: Key to inositol lipid biology. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2015, 1851, 746-758.	1.2	213
24	Active Arf6 Recruits ARNO/Cytohesin GEFs to the PM by Binding Their PH Domains. Molecular Biology of the Cell, 2007, 18, 2244-2253.	0.9	190
25	Phosphatidylinositol-Phosphatidic Acid Exchange by Nir2 at ER-PM Contact Sites Maintains Phosphoinositide Signaling Competence. Developmental Cell, 2015, 33, 549-561.	3.1	190
26	Characterization of Type II Phosphatidylinositol 4-Kinase Isoforms Reveals Association of the Enzymes with Endosomal Vesicular Compartments. Journal of Biological Chemistry, 2002, 277, 20041-20050.	1.6	186
27	Intracellular Ph Regulation by Na+/H+ Exchange Requires Phosphatidylinositol 4,5-Bisphosphate. Journal of Cell Biology, 2000, 150, 213-224.	2.3	185
28	Activation of STIM1-Orai1 Involves an Intramolecular Switching Mechanism. Science Signaling, 2010, 3, ra82.	1.6	183
29	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. Journal of Biological Chemistry, 2000, 275, 17878-17885.	1.6	175
30	Maintenance of Hormone-sensitive Phosphoinositide Pools in the Plasma Membrane Requires Phosphatidylinositol 4-Kinase IIIÎ±. Molecular Biology of the Cell, 2008, 19, 711-721.	0.9	174
31	STIM and Orai: the long-awaited constituents of store-operated calcium entry. Trends in Pharmacological Sciences, 2009, 30, 118-128.	4.0	167
32	A Highly Dynamic ER-Derived Phosphatidylinositol-Synthesizing Organelle Supplies Phosphoinositides to Cellular Membranes. Developmental Cell, 2011, 21, 813-824.	3.1	165
33	PIP2hydrolysis underlies agonist-induced inhibition and regulates voltage gating of two-pore domain K+channels. Journal of Physiology, 2005, 564, 117-129.	1.3	164
34	Differential PI 3-kinase dependence of early and late phases of recycling of the internalized AT1 angiotensin receptor. Journal of Cell Biology, 2002, 157, 1211-1222.	2.3	161
35	PI(4,5)P2 controls plasma membrane PI4P and PS levels via ORP5/8 recruitment to ERâ€“PM contact sites. Journal of Cell Biology, 2018, 217, 1797-1813.	2.3	153
36	Acute manipulation of Golgi phosphoinositides to assess their importance in cellular trafficking and signaling. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 8225-8230.	3.3	146

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37	Interaction of Neuronal Calcium Sensor-1 (NCS-1) with Phosphatidylinositol 4-Kinase Î² Stimulates Lipid Kinase Activity and Affects Membrane Trafficking in COS-7 Cells. Journal of Biological Chemistry, 2001, 276, 40183-40189.	1.6	144
38	How accurately can we image inositol lipids in living cells?. Trends in Pharmacological Sciences, 2000, 21, 238-241.	4.0	142
39	Phosphoinositide Signaling: New Tools and Insights. Physiology, 2009, 24, 231-244.	1.6	140
40	c-Met Must Translocate to the Nucleus to Initiate Calcium Signals. Journal of Biological Chemistry, 2008, 283, 4344-4351.	1.6	135
41	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. Journal of Biological Chemistry, 2014, 289, 6120-6132.	1.6	134
42	Selective cellular effects of overexpressed pleckstrin-homology domains that recognize PtdIns(3,4,5)P3 suggest their interaction with protein binding partners. Journal of Cell Science, 2005, 118, 4879-4888.	1.2	133
43	Live cell imaging of phosphoinositide dynamics with fluorescent protein domains. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2006, 1761, 957-967.	1.2	128
44	Dependence of STIM1/Orai1-mediated Calcium Entry on Plasma Membrane Phosphoinositides. Journal of Biological Chemistry, 2009, 284, 21027-21035.	1.6	128
45	Phosphatidylinositol 4-Kinase IIIÎ² Regulates the Transport of Ceramide between the Endoplasmic Reticulum and Golgi. Journal of Biological Chemistry, 2006, 281, 36369-36377.	1.6	120
46	Visualizing Cellular Phosphoinositide Pools with GFP-Fused Protein-Modules. Science Signaling, 2002, 2002, pl3-pl3.	1.6	116
47	A Conserved NPLFY Sequence Contributes to Agonist Binding and Signal Transduction but Is Not an Internalization Signal for the Type 1 Angiotensin II Receptor. Journal of Biological Chemistry, 1995, 270, 16602-16609.	1.6	115
48	Dual roles for the <i>Drosophila</i> PI 4-kinase Four wheel drive in localizing Rab11 during cytokinesis. Journal of Cell Biology, 2009, 187, 847-858.	2.3	115
49	Phosphatidylinositol 4-kinases: hostages harnessed to build panviral replication platforms. Trends in Biochemical Sciences, 2012, 37, 293-302.	3.7	114
50	Inositol Lipid Binding and Membrane Localization of Isolated Pleckstrin Homology (PH) Domains. Journal of Biological Chemistry, 2002, 277, 27412-27422.	1.6	111
51	Characterization of a Soluble Adrenal Phosphatidylinositol 4-Kinase Reveals Wortmannin Sensitivity of Type III Phosphatidylinositol Kinasesâ€. Biochemistry, 1996, 35, 3587-3594.	1.2	107
52	Live cell imaging with protein domains capable of recognizing phosphatidylinositol 4,5-bisphosphate; a comparative study. BMC Cell Biology, 2009, 10, 67.	3.0	105
53	The ligand binding site of the angiotensin AT1 receptor. Trends in Pharmacological Sciences, 1996, 17, 135-140.	4.0	103
54	Two phosphatidylinositol 4-kinases control lysosomal delivery of the Gaucher disease enzyme, Î²-glucocerebrosidase. Molecular Biology of the Cell, 2012, 23, 1533-1545.	0.9	103

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55	Lenz-Majewski mutations in <i>PTDSS1</i> affect phosphatidylinositol 4-phosphate metabolism at ER-PM and ER-Golgi junctions. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 4314-4319.	3.3	87
56	Multiphasic dynamics of phosphatidylinositol 4-phosphate during phagocytosis. Molecular Biology of the Cell, 2017, 28, 128-140.	0.9	85
57	Structural insights and in vitro reconstitution of membrane targeting and activation of human PI4KB by the ACBD3 protein. Scientific Reports, 2016, 6, 23641.	1.6	81
58	Isolation and Molecular Cloning of Wortmannin-sensitive Bovine Type III Phosphatidylinositol 4-Kinases. Journal of Biological Chemistry, 1997, 272, 18358-18366.	1.6	81
59	Phosphatidylinositol 4-kinases. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 1998, 1436, 69-85.	1.2	80
60	Structural Determinants of Ras-Raf Interaction Analyzed in Live Cells. Molecular Biology of the Cell, 2002, 13, 2323-2333.	0.9	75
61	Regulation of connexin43 gap junctional communication by phosphatidylinositol 4,5-bisphosphate. Journal of Cell Biology, 2007, 177, 881-891.	2.3	74
62	Phosphatidylinositol 4-phosphate and phosphatidylinositol 3-phosphate regulate phagolysosome biogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 4636-4641.	3.3	72
63	Phosphoinositide-derived messengers in endocrine signaling. Journal of Endocrinology, 2006, 188, 135-153.	1.2	71
64	Visualization of Cellular Phosphoinositide Pools with GFPâ€Fused Proteinâ€Domains. Current Protocols in Cell Biology, 2009, 42, Unit 24.4.	2.3	70
65	G Protein-coupled Receptor-promoted Trafficking of GÎ²₁Î³₂Leads to AKT Activation at Endosomes via a Mechanism Mediated by GÎ²₁Î³₂-Rab11a Interaction. Molecular Biology of the Cell, 2008, 19, 4188-4200.	0.9	68
66	Enteropathogenic<i>Escherichia coli</i>Subverts Phosphatidylinositol 4,5-Bisphosphate and Phosphatidylinositol 3,4,5-Trisphosphate upon Epithelial Cell Infection. Molecular Biology of the Cell, 2009, 20, 544-555.	0.9	67
67	Inhibition of Na,K-ATPase Activates PI3 Kinase and Inhibits Apoptosis in LLC-PK1 Cells. Biochemical and Biophysical Research Communications, 2001, 285, 46-51.	1.0	64
68	Phosphatidylinositol 4,5â€bisphosphate controls Rab7 and <scp>PLEKHM</scp> 1 membrane cycling during autophagosomeâ€“lysosome fusion. EMBO Journal, 2019, 38, e100312.	3.5	63
69	A homogeneous and nonisotopic assay for phosphatidylinositol 4-kinases. Analytical Biochemistry, 2011, 417, 97-102.	1.1	61
70	Recruitment of arfaptins to the trans-Golgi network by PI(4)P and their involvement in cargo export. EMBO Journal, 2013, 32, 1717-1729.	3.5	61
71	The crystal structure of the phosphatidylinositol 4â€kinase <scp>II</scp>Î±. EMBO Reports, 2014, 15, 1085-1092.	2.0	61
72	Quantifying lipid changes in various membrane compartments using lipid binding protein domains. Cell Calcium, 2017, 64, 72-82.	1.1	61

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73	The dynamics of plasma membrane PtdIns(4,5)<i>P</i>2 at fertilization of mouse eggs. Journal of Cell Science, 2002, 115, 2139-2149.	1.2	60
74	Possible role of calcium uptake and calmodulin in adrenal glomerulosa cells: Effects of verapamil and trifluoperazine. Biochemical Pharmacology, 1982, 31, 1267-1271.	2.0	58
75	Imaging and manipulating phosphoinositides in living cells. Journal of Physiology, 2007, 582, 927-937.	1.3	57
76	Lipid Dynamics at Contact Sites Between the Endoplasmic Reticulum and Other Organelles. Annual Review of Cell and Developmental Biology, 2019, 35, 85-109.	4.0	57
77	Defining the subcellular distribution and metabolic channeling of phosphatidylinositol. Journal of Cell Biology, 2020, 219, .	2.3	57
78	Germline recessive mutations in PI4KA are associated with perisylvian polymicrogyria, cerebellar hypoplasia and arthrogryposis. Human Molecular Genetics, 2015, 24, 3732-3741.	1.4	56
79	Critical Role of a Conserved Intramembrane Tyrosine Residue in Angiotensin II Receptor Activation. Journal of Biological Chemistry, 1995, 270, 9702-9705.	1.6	55
80	Endosomal sorting of VAMP3 is regulated by PI4K2A. Journal of Cell Science, 2014, 127, 3745-56.	1.2	50
81	The dynamics of plasma membrane PtdIns(4,5)P(2) at fertilization of mouse eggs. Journal of Cell Science, 2002, 115, 2139-49.	1.2	50
82	Pharmacology of Phosphoinositides, Regulators of Multiple Cellular Functions. Current Pharmaceutical Design, 2001, 7, 475-507.	0.9	49
83	Distinct Properties of the Two Isoforms of CDP-Diacylglycerol Synthase. Biochemistry, 2014, 53, 7358-7367.	1.2	47
84	Angiotensin-induced formation and metabolism of inositol polyphosphates in bovine adrenal glomerulosa cells. Biochemical and Biophysical Research Communications, 1987, 142, 15-22.	1.0	46
85	A membrane capture assay for lipid kinase activity. Nature Protocols, 2007, 2, 2459-2466.	5.5	44
86	Visualization and manipulation of phosphoinositide dynamics in live cells using engineered protein domains. Pflugers Archiv European Journal of Physiology, 2007, 455, 69-82.	1.3	44
87	Acute depletion of plasma membrane Phosphatidylinositol 4,5-bisphosphate impairs specific steps in G protein-coupled receptor endocytosis. Journal of Cell Science, 2012, 125, 2185-97.	1.2	44
88	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. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2016, 1861, 177-187.	1.2	44
89	Live cell imaging of phosphoinositides with expressed inositide binding protein domains. Methods, 2008, 46, 167-176.	1.9	43
90	Ribosome-associated vesicles: A dynamic subcompartment of the endoplasmic reticulum in secretory cells. Science Advances, 2020, 6, eaay9572.	4.7	42

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91	Targeted expression of the inositol 1,4,5-triphosphate receptor (IP3R) ligand-binding domain releases Ca2+ via endogenous IP3R channels. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 7859-7864.	3.3	41
92	Inositol lipid regulation of lipid transfer in specialized membrane domains. Trends in Cell Biology, 2013, 23, 270-278.	3.6	41
93	Inositol polyphosphate production and regulation of cytosolic calcium during the biphasic activation of adrenal glomerulosa cells by angiotensin II. Archives of Biochemistry and Biophysics, 1989, 270, 398-403.	1.4	39
94	Intracellular curvature-generating proteins in cell-to-cell fusion. Biochemical Journal, 2011, 440, 185-193.	1.7	38
95	Nucleolar localization of phosphatidylinositol 4-kinase PI4K230 in various mammalian cells. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2006, 69A, 1174-1183.	1.1	37
96	PI(3,4)P2-mediated cytokinetic abscission prevents early senescence and cataract formation. Science, 2021, 374, eabk0410.	6.0	37
97	Control of phosphatidylinositol turnover in adrenal glomerulosa cells. Lipids and Lipid Metabolism, 1982, 713, 352-357.	2.6	35
98	CONTROL OF GLOMERULOSA CELL FUNCTION BY ANGIOTENSIN II: TRANSDUCTION BY G-PROTEINS AND INOSITOL POLYPHOSPHATES. Clinical and Experimental Pharmacology and Physiology, 1988, 15, 501-515.	0.9	35
99	Control of Calcium Signal Propagation to the Mitochondria by Inositol 1,4,5-Trisphosphate-binding Proteins. Journal of Biological Chemistry, 2005, 280, 12820-12832.	1.6	35
100	Ca²⁺ and lipid signals hold hands at endoplasmic reticulumâ€“plasma membrane contact sites. Journal of Physiology, 2018, 596, 2709-2716.	1.3	35
101	Formation of inositol 1,3,4,6-tetrakisphosphate during angiotensin II action in bovine adrenal glomerulosa cells. Biochemical and Biophysical Research Communications, 1987, 148, 199-205.	1.0	34
102	Crucial role of phosphatidylinositol 4-kinase IIIÎ± in development of zebrafish pectoral fin is linked to phosphoinositide 3-kinase and FGF signaling. Journal of Cell Science, 2009, 122, 4303-4310.	1.2	34
103	Design of Drug-Resistant Alleles of Type-III Phosphatidylinositol 4-Kinases Using Mutagenesis and Molecular Modeling. Biochemistry, 2008, 47, 1599-1607.	1.2	33
104	Schwann-Cell-Specific Deletion of Phosphatidylinositol 4-Kinase Alpha Causes Aberrant Myelination. Cell Reports, 2018, 23, 2881-2890.	2.9	33
105	Phosphatidylinositol 4,5â€bisphosphate controls Rab7 and <scp>PLEKHM</scp> 1 membrane cycling during autophagosomeâ€“lysosome fusion. EMBO Journal, 2019, 38, .	3.5	33
106	Regulation of Ca2+ entry by inositol lipids in mammalian cells by multiple mechanisms. Cell Calcium, 2009, 45, 527-534.	1.1	32
107	Store-operated Ca2+ influx and subplasmalemmal mitochondria. Cell Calcium, 2009, 46, 49-55.	1.1	32
108	The ML1Nx2 Phosphatidylinositol 3,5-Bisphosphate Probe Shows Poor Selectivity in Cells. PLoS ONE, 2015, 10, e0139957.	1.1	32

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109	Polyphosphoinositide-Binding Domains: Insights from Peripheral Membrane and Lipid-Transfer Proteins. Advances in Experimental Medicine and Biology, 2019, 1111, 77-137.	0.8	32
110	ORP3 phosphorylation regulates phosphatidylinositol 4-phosphate and Ca2+ dynamics at PM-ER contact sites. Journal of Cell Science, 2020, 133, .	1.2	32
111	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. Journal of Biological Chemistry, 2009, 284, 28069-28083.	1.6	31
112	EFR3s are palmitoylated plasma membrane proteins that control responsiveness to G protein-coupled receptors. Journal of Cell Science, 2015, 128, 118-28.	1.2	31
113	Phosphatidylinositol and phosphatidic acid transport between the ER and plasma membrane during PLC activation requires the Nir2 protein. Biochemical Society Transactions, 2016, 44, 197-201.	1.6	30
114	The Pleckstrin Homology Domain of Phosphoinositide-specific Phospholipase CÎ´4 Is Not a Critical Determinant of the Membrane Localization of the Enzyme. Journal of Biological Chemistry, 2004, 279, 24362-24371.	1.6	29
115	Secretion of VEGF-165 has unique characteristics, including shedding from the plasma membrane. Molecular Biology of the Cell, 2014, 25, 1061-1072.	0.9	29
116	Lipid synthesis and transport are coupled to regulate membrane lipid dynamics in the endoplasmic reticulum. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2020, 1865, 158461.	1.2	29
117	Characterization of Recombinant Phosphatidylinositol 4-Kinase Î² Reveals Auto- and Heterophosphorylation of the Enzyme. Journal of Biological Chemistry, 2000, 275, 14642-14648.	1.6	28
118	Signaling events activated by angiotensin II receptors: What goes before and after the calcium signals. Endocrine Research, 1998, 24, 335-344.	0.6	27
119	Green light to illuminate signal transduction events. Trends in Cell Biology, 2009, 19, 575-586.	3.6	26
120	Investigation of the Fate of Type I Angiotensin Receptor after Biased Activation. Molecular Pharmacology, 2015, 87, 972-981.	1.0	26
121	Plasma membrane phosphatidylinositol 4-phosphate and 4,5-bisphosphate determine the distribution and function of K-Ras4B but not H-Ras proteins. Journal of Biological Chemistry, 2017, 292, 18862-18877.	1.6	25
122	Integrated regulation of the phosphatidylinositol cycle and phosphoinositideâ€driven lipid transport at ERâ€PM contact sites. Traffic, 2020, 21, 200-219.	1.3	25
123	Metabolism of inositol-1,3,4,6-tetrakisphosphate to inositol pentakisphosphate in adrenal glomerulosa cells. Biochemical and Biophysical Research Communications, 1988, 157, 1247-1252.	1.0	24
124	High-performance reversed-phase ion-pair chromatographic study of myo-inositol phosphates. Journal of Chromatography A, 1990, 523, 201-216.	1.8	21
125	Regulation of Angiotensin II-stimulated Ca2+ Oscillations by Ca2+ Influx Mechanisms in Adrenal Glomerulosa Cells. Journal of Biological Chemistry, 1996, 271, 22063-22069.	1.6	21
126	Characterization of the c10orf76â€PI4KB complex and its necessity for Golgi PI4P levels and enterovirus replication. EMBO Reports, 2020, 21, e48441.	2.0	21

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127	Î²III Spectrin Regulates the Structural Integrity and the Secretory Protein Transport of the Golgi Complex. Journal of Biological Chemistry, 2013, 288, 2157-2166.	1.6	19
128	Measurement of Inositol 1,4,5-Trisphosphate in Living Cells Using an Improved Set of Resonance Energy Transfer-Based Biosensors. PLoS ONE, 2015, 10, e0125601.	1.1	19
129	The effect of various calmodulin inhibitors of the response of adrenal glomerulosa cells to angiotensin II and cyclic AMP. Biochemical Pharmacology, 1982, 31, 3705-3707.	2.0	18
130	Phosphoinositide 3-Kinase Is Required for Intracellular Listeria monocytogenes Actin-based Motility and Filopod Formation. Journal of Biological Chemistry, 2005, 280, 11379-11386.	1.6	18
131	Astrocytes spatially restrict <scp>VEGF</scp> signaling by polarized secretion and incorporation of <scp>VEGF</scp> into the actively assembling extracellular matrix. Glia, 2016, 64, 440-456.	2.5	18
132	Phosphoinositides and calcium signaling; a marriage arranged at ER-PM contact sites. Current Opinion in Physiology, 2020, 17, 149-157.	0.9	18
133	Palmitoylation targets the calcineurin phosphatase to the phosphatidylinositol 4-kinase complex at the plasma membrane. Nature Communications, 2021, 12, 6064.	5.8	18
134	The effect of angiotensin II on arachidonate metabolism in adrenal glomerulosa cells. Biochemical Pharmacology, 1985, 34, 3439-3444.	2.0	17
135	Localization of two distinct type III phosphatidylinositol 4-kinase enzyme mRNAs in the rat. American Journal of Physiology - Cell Physiology, 2000, 278, C914-C920.	2.1	17
136	Emerging roles of phosphatidylinositol 4-phosphate and phosphatidylinositol 4,5-bisphosphate as regulators of multiple steps in autophagy. Journal of Biochemistry, 2020, 168, 329-336.	0.9	17
137	Biallelic <i>PI4KA</i> variants cause neurological, intestinal and immunological disease. Brain, 2021, 144, 3597-3610.	3.7	17
138	Molecular anatomy of the early events in STIM1 activation; oligomerization or conformational change?. Journal of Cell Science, 2017, 130, 2821-2832.	1.2	16
139	A large scale high-throughput screen identifies chemical inhibitors of phosphatidylinositol 4-kinase type II alpha. Journal of Lipid Research, 2019, 60, 683-693.	2.0	16
140	Metabolism of Inositol 1,4,5-Trisphosphate to Higher Inositol Phosphates in Bovine Adrenal Cytosol. American Journal of Hypertension, 1989, 2, 387-394.	1.0	15
141	Myelination of peripheral nerves is controlled by PI4KB through regulation of Schwann cell Golgi function. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 28102-28113.	3.3	15
142	Genetic and functional studies of phosphatidyl-inositol 4-kinase type IIIÎ±. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2011, 1811, 476-483.	1.2	14
143	Phosphatidylinositol-4-kinase IIÎ± licenses phagosomes for TLR4 signaling and MHC-II presentation in dendritic cells. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 28251-28262.	3.3	14
144	Phosphoinositides and calcium signaling. Trends in Endocrinology and Metabolism, 1994, 5, 250-255.	3.1	13

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145	Acute depletion of plasma membrane phosphatidylinositol 4,5-bisphosphate impairs specific steps in endocytosis of the G-protein-coupled receptor. Journal of Cell Science, 2012, 125, 3013-3013.	1.2	13
146	Metabolic routing maintains the unique fatty acid composition of phosphoinositides. EMBO Reports, 2022, 23, .	2.0	13
147	Angiotensin II stimulates phosphatidylinositol turnover in adrenal glomerulosa cells by a calcium-independent mechanism. Lipids and Lipid Metabolism, 1983, 753, 133-135.	2.6	10
148	Modulation of Agonist-Induced Inositol Phosphate Metabolism by Cyclic Adenosine 3â€²,5â€²-Monophosphate in Adrenal Glomerulosa Cells. Molecular Endocrinology, 1990, 4, 1712-1719.	3.7	10
149	Lipid code for membrane recycling. Nature, 2016, 529, 292-293.	13.7	8
150	Demonstration of Angiotensin II-induced Ras Activation in the trans-Golgi Network and Endoplasmic Reticulum Using Bioluminescence Resonance Energy Transfer-based Biosensors. Journal of Biological Chemistry, 2011, 286, 5319-5327.	1.6	7
151	Inactivation of the PtdIns(4)P phosphatase Sac1 at the Golgi by H2O2 produced via Ca2+-dependent Duox in EGF-stimulated cells. Free Radical Biology and Medicine, 2019, 131, 40-49.	1.3	7
152	Putting G proteinâ€“coupled receptor-mediated activation of phospholipase C in the limelight. Journal of General Physiology, 2010, 135, 77-80.	0.9	6
153	Role of calcium ions and calmodulin in the aldosterone stimulating action of prostaglandin E2. The Journal of Steroid Biochemistry, 1982, 16, 493-494.	1.3	5
154	Calcium-Prolactin Secretion Coupling in Rat Pituitary Lactotrophs Is Controlled by PI4-Kinase Alpha. Frontiers in Endocrinology, 2021, 12, 790441.	1.5	5
155	LIPID transfer proteins regulate store-operated calcium entry via control of plasma membrane phosphoinositides. Cell Calcium, 2022, 106, 102631.	1.1	5
156	Finding Partners for PI3KÎ³: When 84 Is Better Than 101. Science Signaling, 2009, 2, pe35.	1.6	4
157	Lenz-Majewski syndrome: How a single mutation leads to complex changes in lipid metabolism. Journal of Rare Diseases Research & Treatment, 2017, 2, 47-51.	1.1	4
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