Tamas Balla

List of Publications by Year in Descending Order

164 papers	15,813 citations	61 h-index	124 g-index
177 ext. papers	17,886 ext. citations	8.1 avg, IF	6.92 L-index

#	Paper	IF	Citations
164	Palmitoylation targets the calcineurin phosphatase to the phosphatidylinositol 4-kinase complex at the plasma membrane. *Nature Communications*, **2021**, 12, 6064	17.4	4
163	Biallelic PI4KA variants cause neurological, intestinal and immunological disease. *Brain*, **2021**,	11.2	1
162	Calcium-Prolactin Secretion Coupling in Rat Pituitary Lactotrophs Is Controlled by PI4-Kinase Alpha.. *Frontiers in Endocrinology*, **2021**, 12, 790441	5.7	0
161	PI(3,4)P2-mediated cytokinetic abscission prevents early senescence and cataract formation. *Science*, **2021**, 374, eabk0410	33.3	7
160	ORP3 phosphorylation regulates phosphatidylinositol 4-phosphate and Ca dynamics at plasma membrane-ER contact sites. *Journal of Cell Science*, **2020**, 133,	5.3	22
159	Ribosome-associated vesicles: A dynamic subcompartment of the endoplasmic reticulum in secretory cells. *Science Advances*, **2020**, 6, eaay9572	14.3	20
158	The functional universe of membrane contact sites. *Nature Reviews Molecular Cell Biology*, **2020**, 21, 7-24	48.7	168
157	Integrated regulation of the phosphatidylinositol cycle and phosphoinositide-driven lipid transport at ER-PM contact sites. *Traffic*, **2020**, 21, 200-219	5.7	13
156	Characterization of the c10orf76-PI4KB complex and its necessity for Golgi PI4P levels and enterovirus replication. *EMBO Reports*, **2020**, 21, e48441	6.5	10
155	PHOSPHOINOSITIDES AND CALCIUM SIGNALING. A MARRIAGE ARRANGED IN ER-PM CONTACT SITES. *Current Opinion in Physiology*, **2020**, 17, 149-157	2.6	9
154	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	3.1	7
153	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	11.5	5
152	Defining the subcellular distribution and metabolic channeling of phosphatidylinositol. *Journal of Cell Biology*, **2020**, 219,	7.3	24
151	Phosphatidylinositol-4-kinase IIβ 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	11.5	7
150	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	5	17
149	A large scale high-throughput screen identifies chemical inhibitors of phosphatidylinositol 4-kinase type II alpha. *Journal of Lipid Research*, **2019**, 60, 683-693	6.3	7
148	Lipid Dynamics at Contact Sites Between the Endoplasmic Reticulum and Other Organelles. *Annual Review of Cell and Developmental Biology*, **2019**, 35, 85-109	12.6	36

147	Phosphatidylinositol 4,5-bisphosphate controls Rab7 and PLEKHM1 membrane cycling during autophagosome-lysosome fusion. *EMBO Journal*, **2019**, 38, e100312	13	34
146	Monitoring Non-vesicular Transport of Phosphatidylserine and Phosphatidylinositol 4-Phosphate in Intact Cells by BRET Analysis. *Methods in Molecular Biology*, **2019**, 1949, 13-22	1.4	
145	Phosphatidylinositol 4,5-bisphosphate controls Rab7 and PLEKHM 1 membrane cycling during autophagosome□lysosome fusion. *EMBO Journal*, **2019**, 38,	13	25
144	Inactivation of the PtdIns(4)P phosphatase Sac1 at the Golgi by HO produced via Ca-dependent Duox in EGF-stimulated cells. *Free Radical Biology and Medicine*, **2019**, 131, 40-49	7.8	5
143	Accumulation of PtdIns(4)P at the Golgi mediated by reversible oxidation of the PtdIns(4)P phosphatase Sac1 by HO. *Free Radical Biology and Medicine*, **2019**, 130, 426-435	7.8	1
142	Polyphosphoinositide-Binding Domains: Insights from Peripheral Membrane and Lipid-Transfer Proteins. *Advances in Experimental Medicine and Biology*, **2019**, 1111, 77-137	3.6	15
141	PI(4,5)P controls plasma membrane PI4P and PS levels via ORP5/8 recruitment to ER-PM contact sites. *Journal of Cell Biology*, **2018**, 217, 1797-1813	7.3	100
140	Schwann-Cell-Specific Deletion of Phosphatidylinositol 4-Kinase Alpha Causes Aberrant Myelination. *Cell Reports*, **2018**, 23, 2881-2890	10.6	22
139	Ca and lipid signals hold hands at endoplasmic reticulum-plasma membrane contact sites. *Journal of Physiology*, **2018**, 596, 2709-2716	3.9	23
138	Quantifying lipid changes in various membrane compartments using lipid binding protein domains. *Cell Calcium*, **2017**, 64, 72-82	4	38
137	Multiphasic dynamics of phosphatidylinositol 4-phosphate during phagocytosis. *Molecular Biology of the Cell*, **2017**, 28, 128-140	3.5	46
136	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	5.4	16
135	Molecular anatomy of the early events in STIM1 activation - oligomerization or conformational change?. *Journal of Cell Science*, **2017**, 130, 2821-2832	5.3	13
134	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	5.1	18
133	Structural insights and in vitro reconstitution of membrane targeting and activation of human PI4KB by the ACBD3 protein. *Scientific Reports*, **2016**, 6, 23641	4.9	50
132	Cell biology: Lipid code for membrane recycling. *Nature*, **2016**, 529, 292-3	50.4	7
131	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, 177-87	5	31
130	Lenz-Majewski syndrome: How a single mutation leads to complex changes in lipid metabolism. *Journal of Rare Diseases Research & Treatment*, **2016**, 2, 47-51	1.1	1

129	Astrocytes spatially restrict VEGF signaling by polarized secretion and incorporation of VEGF into the actively assembling extracellular matrix. *Glia*, **2016**, 64, 440-56	9	15
128	Lenz-Majewski mutations in PTDSS1 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, 4314-9	11.5	66
127	Investigation of the fate of type I angiotensin receptor after biased activation. *Molecular Pharmacology*, **2015**, 87, 972-81	4.3	22
126	Germline recessive mutations in PI4KA are associated with perisylvian polymicrogyria, cerebellar hypoplasia and arthrogryposis. *Human Molecular Genetics*, **2015**, 24, 3732-41	5.6	42
125	Polyphosphoinositide binding domains: Key to inositol lipid biology. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2015**, 1851, 746-58	5	153
124	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, 4636-41	11.5	39
123	The ML1Nx2 Phosphatidylinositol 3,5-Bisphosphate Probe Shows Poor Selectivity in Cells. *PLoS ONE*, **2015**, 10, e0139957	3.7	23
122	Phosphatidylinositol-Phosphatidic Acid Exchange by Nir2 at ER-PM Contact Sites Maintains Phosphoinositide Signaling Competence. *Developmental Cell*, **2015**, 33, 549-61	10.2	139
121	EFR3s are palmitoylated plasma membrane proteins that control responsiveness to G-protein-coupled receptors. *Journal of Cell Science*, **2015**, 128, 118-28	5.3	18
120	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	3.7	15
119	Nir2 Plays a Central Role in ER-PM Junctions Maintaining Phosphoinositide Signaling Competence. *FASEB Journal*, **2015**, 29, LB177	0.9	
118	The crystal structure of the phosphatidylinositol 4-kinase II *EMBO Reports*, **2014**, 15, 1085-92	6.5	42
117	Distinct properties of the two isoforms of CDP-diacylglycerol synthase. *Biochemistry*, **2014**, 53, 7358-67	3.2	37
116	Endosomal sorting of VAMP3 is regulated by PI4K2A. *Journal of Cell Science*, **2014**, 127, 3745-56	5.3	36
115	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, 6120-32	5.4	91
114	A tail of new lipids. *EMBO Journal*, **2014**, 33, 2140-1	13	2
113	A novel probe for phosphatidylinositol 4-phosphate reveals multiple pools beyond the Golgi. *Journal of Cell Biology*, **2014**, 205, 113-26	7.3	265
112	Secretion of VEGF-165 has unique characteristics, including shedding from the plasma membrane. *Molecular Biology of the Cell*, **2014**, 25, 1061-72	3.5	23

111	Inositol lipid regulation of lipid transfer in specialized membrane domains. *Trends in Cell Biology*, **2013**, 23, 270-8	18.3	38
110	Recruitment of arfaptins to the trans-Golgi network by PI(4)P and their involvement in cargo export. *EMBO Journal*, **2013**, 32, 1717-29	13	49
109	II spectrin regulates the structural integrity and the secretory protein transport of the Golgi complex. *Journal of Biological Chemistry*, **2013**, 288, 2157-66	5.4	16
108	Phosphoinositides: tiny lipids with giant impact on cell regulation. *Physiological Reviews*, **2013**, 93, 1019-137	47.9	931
107	The secretion of VEGF165 involves a shedding step from the cell surface. *FASEB Journal*, **2013**, 27, 591.4	0.9	
106	A new role for plasma membrane phosphatidylinositol 4-phosphate (PI4P)?. *FASEB Journal*, **2013**, 27, lb84	0.9	
105	Phosphatidylinositol 4-kinases: hostages harnessed to build panviral replication platforms. *Trends in Biochemical Sciences*, **2012**, 37, 293-302	10.3	93
104	PI4P and PI(4,5)P2 are essential but independent lipid determinants of membrane identity. *Science*, **2012**, 337, 727-30	33.3	311
103	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, 2185-97	5.3	40
102	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	5.3	10
101	Two phosphatidylinositol 4-kinases control lysosomal delivery of the Gaucher disease enzyme, glucocerebrosidase. *Molecular Biology of the Cell*, **2012**, 23, 1533-45	3.5	75
100	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	23.4	385
99	A highly dynamic ER-derived phosphatidylinositol-synthesizing organelle supplies phosphoinositides to cellular membranes. *Developmental Cell*, **2011**, 21, 813-24	10.2	135
98	Genetic and functional studies of phosphatidyl-inositol 4-kinase type III *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2011**, 1811, 476-83	5	14
97	Intracellular curvature-generating proteins in cell-to-cell fusion. *Biochemical Journal*, **2011**, 440, 185-93	3.8	35
96	A homogeneous and nonisotopic assay for phosphatidylinositol 4-kinases. *Analytical Biochemistry*, **2011**, 417, 97-102	3.1	45
95	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, 5319-27	5.4	6
94	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, 8225-30	11.5	128

93	Activation of STIM1-Orai1 involves an intramolecular switching mechanism. *Science Signaling*, **2010**, 3, ra82	8.8	164
92	Putting G protein-coupled receptor-mediated activation of phospholipase C in the limelight. *Journal of General Physiology*, **2010**, 135, 77-80	3.4	5
91	Imaging interorganelle contacts and local calcium dynamics at the ER-mitochondrial interface. *Molecular Cell*, **2010**, 39, 121-32	17.6	510
90	Viral reorganization of the secretory pathway generates distinct organelles for RNA replication. *Cell*, **2010**, 141, 799-811	56.2	481
89	Dependence of STIM1/Orai1-mediated calcium entry on plasma membrane phosphoinositides. *Journal of Biological Chemistry*, **2009**, 284, 21027-35	5.4	114
88	Crucial role of phosphatidylinositol 4-kinase IIIalpha in development of zebrafish pectoral fin is linked to phosphoinositide 3-kinase and FGF signaling. *Journal of Cell Science*, **2009**, 122, 4303-10	5.3	25
87	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	5.4	25
86	Dual roles for the Drosophila PI 4-kinase four wheel drive in localizing Rab11 during cytokinesis. *Journal of Cell Biology*, **2009**, 187, 847-58	7.3	97
85	Enteropathogenic Escherichia coli subverts phosphatidylinositol 4,5-bisphosphate and phosphatidylinositol 3,4,5-trisphosphate upon epithelial cell infection. *Molecular Biology of the Cell*, **2009**, 20, 544-55	3.5	62
84	Green light to illuminate signal transduction events. *Trends in Cell Biology*, **2009**, 19, 575-86	18.3	25
83	Regulation of Ca2+ entry by inositol lipids in mammalian cells by multiple mechanisms. *Cell Calcium*, **2009**, 45, 527-34	4	28
82	Store-operated Ca2+ influx and subplasmalemmal mitochondria. *Cell Calcium*, **2009**, 46, 49-55	4	28
81	Live cell imaging with protein domains capable of recognizing phosphatidylinositol 4,5-bisphosphate; a comparative study. *BMC Cell Biology*, **2009**, 10, 67		84
80	Visualization of cellular phosphoinositide pools with GFP-fused protein-domains. *Current Protocols in Cell Biology*, **2009**, Chapter 24, Unit 24.4	2.3	56
79	STIM and Orai: the long-awaited constituents of store-operated calcium entry. *Trends in Pharmacological Sciences*, **2009**, 30, 118-28	13.2	136
78	Phosphoinositide signaling: new tools and insights. *Physiology*, **2009**, 24, 231-44	9.8	114
77	Finding partners for PI3Kgamma: when 84 is better than 101. *Science Signaling*, **2009**, 2, pe35	8.8	3
76	Live cell imaging of phosphoinositides with expressed inositide binding protein domains. *Methods*, **2008**, 46, 167-76	4.6	39

75	Design of drug-resistant alleles of type-III phosphatidylinositol 4-kinases using mutagenesis and molecular modeling. *Biochemistry*, **2008**, 47, 1599-607	3.2	30
74	c-Met must translocate to the nucleus to initiate calcium signals. *Journal of Biological Chemistry*, **2008**, 283, 4344-51	5.4	115
73	Maintenance of hormone-sensitive phosphoinositide pools in the plasma membrane requires phosphatidylinositol 4-kinase IIIalpha. *Molecular Biology of the Cell*, **2008**, 19, 711-21	3.5	154
72	G protein-coupled receptor-promoted trafficking of Gbeta1gamma2 leads to AKT activation at endosomes via a mechanism mediated by Gbeta1gamma2-Rab11a interaction. *Molecular Biology of the Cell*, **2008**, 19, 4188-200	3.5	59
71	Active Arf6 recruits ARNO/cytohesin GEFs to the PM by binding their PH domains. *Molecular Biology of the Cell*, **2007**, 18, 2244-53	3.5	168
70	Imaging and manipulating phosphoinositides in living cells. *Journal of Physiology*, **2007**, 582, 927-37	3.9	49
69	Control of cell polarity and motility by the PtdIns(3,4,5)P3 phosphatase SHIP1. *Nature Cell Biology*, **2007**, 9, 36-44	23.4	237
68	Visualization and manipulation of phosphoinositide dynamics in live cells using engineered protein domains. *Pflugers Archiv European Journal of Physiology*, **2007**, 455, 69-82	4.6	40
67	Dual regulation of TRPV1 by phosphoinositides. *Journal of Neuroscience*, **2007**, 27, 7070-80	6.6	214
66	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, 3793-8	11.5	211
65	Regulation of connexin43 gap junctional communication by phosphatidylinositol 4,5-bisphosphate. *Journal of Cell Biology*, **2007**, 177, 881-91	7.3	70
64	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, 29678-90	5.4	207
63	A membrane capture assay for lipid kinase activity. *Nature Protocols*, **2007**, 2, 2459-66	18.8	40
62	Phosphatidylinositol 4-kinases: old enzymes with emerging functions. *Trends in Cell Biology*, **2006**, 16, 351-61	18.3	288
61	Nucleolar localization of phosphatidylinositol 4-kinase PI4K230 in various mammalian cells. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2006**, 69, 1174-83	4.6	32
60	Phosphoinositide-derived messengers in endocrine signaling. *Journal of Endocrinology*, **2006**, 188, 135-53	4.7	62
59	Chaperone-mediated coupling of endoplasmic reticulum and mitochondrial Ca2+ channels. *Journal of Cell Biology*, **2006**, 175, 901-11	7.3	888
58	Phosphatidylinositol 4-kinase IIIbeta regulates the transport of ceramide between the endoplasmic reticulum and Golgi. *Journal of Biological Chemistry*, **2006**, 281, 36369-77	5.4	107

57	Structural and functional features and significance of the physical linkage between ER and mitochondria. *Journal of Cell Biology*, **2006**, 174, 915-21	7.3	937
56	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, 377-82	7.3	274
55	A pharmacological map of the PI3-K family defines a role for p110alpha in insulin signaling. *Cell*, **2006**, 125, 733-47	56.2	963
54	Live cell imaging of phosphoinositide dynamics with fluorescent protein domains. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2006**, 1761, 957-67	5	118
53	Found in the crystal: phospholipid ligands for nuclear orphan receptors. *Trends in Endocrinology and Metabolism*, **2005**, 16, 289-90	8.8	2
52	PIP2 hydrolysis underlies agonist-induced inhibition and regulates voltage gating of two-pore domain K+ channels. *Journal of Physiology*, **2005**, 564, 117-29	3.9	143
51	Control of calcium signal propagation to the mitochondria by inositol 1,4,5-trisphosphate-binding proteins. *Journal of Biological Chemistry*, **2005**, 280, 12820-32	5.4	31
50	Inositol-lipid binding motifs: signal integrators through protein-lipid and protein-protein interactions. *Journal of Cell Science*, **2005**, 118, 2093-104	5.3	207
49	Phosphoinositide 3-kinase is required for intracellular Listeria monocytogenes actin-based motility and filopod formation. *Journal of Biological Chemistry*, **2005**, 280, 11379-86	5.4	17
48	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, 7859-64	11.5	36
47	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, 1282-95	3.5	218
46	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, 4879-88	5.3	123
45	The pleckstrin homology domain of phosphoinositide-specific phospholipase Cdelta4 is not a critical determinant of the membrane localization of the enzyme. *Journal of Biological Chemistry*, **2004**, 279, 24362-71	5.4	24
44	Differential PI 3-kinase dependence of early and late phases of recycling of the internalized AT1 angiotensin receptor. *Journal of Cell Biology*, **2002**, 157, 1211-22	7.3	143
43	Characterization of type II phosphatidylinositol 4-kinase isoforms reveals association of the enzymes with endosomal vesicular compartments. *Journal of Biological Chemistry*, **2002**, 277, 20041-50	5.4	155
42	Visualizing cellular phosphoinositide pools with GFP-fused protein-modules. *Science Signaling*, **2002**, 2002, pl3	8.8	96
41	Structural determinants of Ras-Raf interaction analyzed in live cells. *Molecular Biology of the Cell*, **2002**, 13, 2323-33	3.5	70
40	Inositol lipid binding and membrane localization of isolated pleckstrin homology (PH) domains. Studies on the PH domains of phospholipase C delta 1 and p130. *Journal of Biological Chemistry*, **2002**, 277, 27412-22	5.4	100

39	The dynamics of plasma membrane PtdIns(4,5)P2 at fertilization of mouse eggs. *Journal of Cell Science*, **2002**, 115, 2139-2149	5.3	53
38	The dynamics of plasma membrane PtdIns(4,5)P(2) at fertilization of mouse eggs. *Journal of Cell Science*, **2002**, 115, 2139-49	5.3	48
37	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. *Journal of Biological Chemistry*, **2001**, 276, 40183-9	5.4	119
36	Monitoring agonist-induced phospholipase C activation in live cells by fluorescence resonance energy transfer. *Journal of Biological Chemistry*, **2001**, 276, 15337-44	5.4	202
35	Restricted accumulation of phosphatidylinositol 3-kinase products in a plasmalemmal subdomain during Fc gamma receptor-mediated phagocytosis. *Journal of Cell Biology*, **2001**, 153, 1369-80	7.3	244
34	Inhibition of Na,K-ATPase activates PI3 kinase and inhibits apoptosis in LLC-PK1 cells. *Biochemical and Biophysical Research Communications*, **2001**, 285, 46-51	3.4	56
33	Pharmacology of phosphoinositides, regulators of multiple cellular functions. *Current Pharmaceutical Design*, **2001**, 7, 475-507	3.3	47
32	Localization of two distinct type III phosphatidylinositol 4-kinase enzyme mRNAs in the rat. *American Journal of Physiology - Cell Physiology*, **2000**, 278, C914-20	5.4	16
31	Intracellular pH regulation by Na(+)/H(+) exchange requires phosphatidylinositol 4,5-bisphosphate. *Journal of Cell Biology*, **2000**, 150, 213-24	7.3	175
30	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, 17878-85	5.4	159
29	Characterization of recombinant phosphatidylinositol 4-kinase beta reveals auto- and heterophosphorylation of the enzyme. *Journal of Biological Chemistry*, **2000**, 275, 14642-8	5.4	26
28	How accurately can we image inositol lipids in living cells?. *Trends in Pharmacological Sciences*, **2000**, 21, 238-41	13.2	128
27	Phosphatidylinositol 3-kinase-dependent membrane association of the Bruton tyrosine kinase pleckstrin homology domain visualized in single living cells. *Journal of Biological Chemistry*, **1999**, 274, 10983-9	5.4	236
26	Phosphatidylinositol 4-kinases. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **1998**, 1436, 69-85	5	69
25	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, 501-10	7.3	679
24	Signaling events activated by angiotensin II receptors: what goes before and after the calcium signals. *Endocrine Research*, **1998**, 24, 335-44	1.9	26
23	Isolation and molecular cloning of wortmannin-sensitive bovine type III phosphatidylinositol 4-kinases. *Journal of Biological Chemistry*, **1997**, 272, 18358-66	5.4	70
22	Characterization of a soluble adrenal phosphatidylinositol 4-kinase reveals wortmannin sensitivity of type III phosphatidylinositol kinases. *Biochemistry*, **1996**, 35, 3587-94	3.2	100

21	The ligand binding site of the angiotensin AT1 receptor. *Trends in Pharmacological Sciences*, **1996**, 17, 135-40	13.2	99
20	Regulation of angiotensin II-stimulated Ca2+ oscillations by Ca2+ influx mechanisms in adrenal glomerulosa cells. *Journal of Biological Chemistry*, **1996**, 271, 22063-9	5.4	19
19	Critical role of a conserved intramembrane tyrosine residue in angiotensin II receptor activation. *Journal of Biological Chemistry*, **1995**, 270, 9702-5	5.4	49
18	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, 16602-9	5.4	101
17	Phosphoinositides and calcium signaling New aspects and diverse functions in cell regulation. *Trends in Endocrinology and Metabolism*, **1994**, 5, 250-5	8.8	12
16	High-performance reversed-phase ion-pair chromatographic study of myo-inositol phosphates. Separation of myo-inositol phosphates, some common nucleotides and sugar phosphates. *Journal of Chromatography A*, **1990**, 523, 201-16	4.5	18
15	Modulation of agonist-induced inositol phosphate metabolism by cyclic adenosine 3Q5Q-monophosphate in adrenal glomerulosa cells. *Molecular Endocrinology*, **1990**, 4, 1712-9		10
14	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	4.1	33
13	Metabolism of inositol 1,4,5-trisphosphate to higher inositol phosphates in bovine adrenal cytosol. *American Journal of Hypertension*, **1989**, 2, 387-94	2.3	13
12	Specific Receptors for Inositol 1,4,5-Trisphosphate in Endocrine Target Tissues **1989**, 193-203		
11	Control of glomerulosa cell function by angiotensin II: transduction by G-proteins and inositol polyphosphates. *Clinical and Experimental Pharmacology and Physiology*, **1988**, 15, 501-15	3	25
10	Metabolism of inositol-1,3,4,6-tetrakisphosphate to inositol pentakisphosphate in adrenal glomerulosa cells. *Biochemical and Biophysical Research Communications*, **1988**, 157, 1247-52	3.4	24
9	Angiotensin-induced formation and metabolism of inositol polyphosphates in bovine adrenal glomerulosa cells. *Biochemical and Biophysical Research Communications*, **1987**, 142, 15-22	3.4	42
8	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	3.4	31
7	The effect of angiotensin II on arachidonate metabolism in adrenal glomerulosa cells. *Biochemical Pharmacology*, **1985**, 34, 3439-44	6	15
6	Angiotensin II stimulates phosphatidylinositol turnover in adrenal glomerulosa cells by a calcium-independent mechanism. *Lipids and Lipid Metabolism*, **1983**, 753, 133-5		6
5	Possible role of calcium uptake and calmodulin in adrenal glomerulosa cells: effects of verapamil and trifluoperazine. *Biochemical Pharmacology*, **1982**, 31, 1267-71	6	47
4	The effect of various calmodulin inhibitors on the response of adrenal glomerulosa cells to angiotensin II and cyclic AMP. *Biochemical Pharmacology*, **1982**, 31, 3705-7	6	15

3	Control of phosphatidylinositol turnover in adrenal glomerulosa cells. *Lipids and Lipid Metabolism*, **1982**, 713, 352-7	28
2	Role of calcium ions and calmodulin in the aldosterone stimulating action of prostaglandin E2. *The Journal of Steroid Biochemistry*, **1982**, 16, 493-4	4
1	Defining the Subcellular Distribution and Metabolic Channeling of Phosphatidylinositol	1