Mario Pende

List of Publications by Year in Descending Order

69 papers	9,504 citations	38 h-index	71 g-index
71 ext. papers	10,680 ext. citations	10.8 avg, IF	4.85 L-index

#	Paper	IF	Citations
69	Limited survival and impaired hepatic fasting metabolism in mice with constitutive Rag GTPase signaling. *Nature Communications*, **2021**, 12, 3660	17.4	7
68	mTOR and S6K1 drive polycystic kidney by the control of Afadin-dependent oriented cell division. *Nature Communications*, **2020**, 11, 3200	17.4	10
67	YAP/TAZ Inhibition Induces Metabolic and Signaling Rewiring Resulting in Targetable Vulnerabilities in NF2-Deficient Tumor Cells. *Developmental Cell*, **2019**, 49, 425-443.e9	10.2	35
66	The class 3 PI3K coordinates autophagy and mitochondrial lipid catabolism by controlling nuclear receptor PPAR *Nature Communications*, **2019**, 10, 1566	17.4	44
65	A Yap-Myc-Sox2-p53 Regulatory Network Dictates Metabolic Homeostasis and Differentiation in Kras-Driven Pancreatic Ductal Adenocarcinomas. *Developmental Cell*, **2019**, 51, 113-128.e9	10.2	29
64	Golgi mechanics controls lipid metabolism. *Nature Cell Biology*, **2019**, 21, 301-302	23.4	
63	Lipin1 deficiency causes sarcoplasmic reticulum stress and chaperone-responsive myopathy. *EMBO Journal*, **2019**, 38,	13	24
62	mTOR pathway activation drives lung cell senescence and emphysema. *JCI Insight*, **2018**, 3,	9.9	86
61	ZRF1 is a novel S6 kinase substrate that drives the senescence programme. *EMBO Journal*, **2017**, 36, 736-750	13	20
60	The centrosomal OFD1 protein interacts with the translation machinery and regulates the synthesis of specific targets. *Scientific Reports*, **2017**, 7, 1224	4.9	22
59	Hepatocyte nuclear factor 1 suppresses steatosis-associated liver cancer by inhibiting PPAR transcription. *Journal of Clinical Investigation*, **2017**, 127, 1873-1888	15.9	35
58	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
57	Selective Tuberous Sclerosis Complex 1 Gene Deletion in Smooth Muscle Activates Mammalian Target of Rapamycin Signaling and Induces Pulmonary Hypertension. *American Journal of Respiratory Cell and Molecular Biology*, **2016**, 55, 352-67	5.7	12
56	Depdc5 knockout rat: A novel model of mTORopathy. *Neurobiology of Disease*, **2016**, 89, 180-9	7.5	55
55	S6K1 Is Required for Increasing Skeletal Muscle Force during Hypertrophy. *Cell Reports*, **2016**, 17, 501-513	10.6	61
54	Class III PI3K regulates organismal glucose homeostasis by providing negative feedback on hepatic insulin signalling. *Nature Communications*, **2015**, 6, 8283	17.4	33
53	New insights into the pathophysiology of the tuberous sclerosis complex: Crosstalk of mTOR- and hippo-YAP pathways in cell growth. *Rare Diseases (Austin, Tex)*, **2015**, 3, e1016701		4

52	mTORC1-mediated translational elongation limits intestinal tumour initiation and growth. *Nature*, **2015**, 517, 497-500	50.4	190
51	YAP enters the mTOR pathway to promote tuberous sclerosis complex. *Molecular and Cellular Oncology*, **2015**, 2, e998100	1.2	4
50	S6K1 controls pancreatic cell size independently of intrauterine growth restriction. *Journal of Clinical Investigation*, **2015**, 125, 2736-47	15.9	21
49	Regulation of YAP by mTOR and autophagy reveals a therapeutic target of tuberous sclerosis complex. *Journal of Experimental Medicine*, **2014**, 211, 2249-63	16.6	134
48	Ribosomal protein S6 kinase activity controls the ribosome biogenesis transcriptional program. *Oncogene*, **2014**, 33, 474-83	9.2	187
47	Regulation of YAP by mTOR and autophagy reveals a therapeutic target of Tuberous Sclerosis Complex. *Journal of Cell Biology*, **2014**, 207, 2071OIA181	7.3	
46	Ribosomal Protein S6 and S6 Kinases **2014**, 345-362		
45	AKT2 is essential to maintain podocyte viability and function during chronic kidney disease. *Nature Medicine*, **2013**, 19, 1288-96	50.5	149
44	Combination of lipid metabolism alterations and their sensitivity to inflammatory cytokines in human lipin-1-deficient myoblasts. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2013**, 1832, 2103-14	6.9	42
43	The role of the mTOR pathway during liver regeneration and tumorigenesis. *Annales DsEndocrinologie*, **2013**, 74, 121-2	1.7	8
42	Defects of Vps15 in skeletal muscles lead to autophagic vacuolar myopathy and lysosomal disease. *EMBO Molecular Medicine*, **2013**, 5, 870-90	12	75
41	Signalling pathways regulating muscle mass in ageing skeletal muscle: the role of the IGF1-Akt-mTOR-FoxO pathway. *Biogerontology*, **2013**, 14, 303-23	4.5	219
40	Role of PI3K, mTOR and Akt2 signalling in hepatic tumorigenesis via the control of PKM2 expression. *Biochemical Society Transactions*, **2013**, 41, 917-22	5.1	32
39	The type 1 insulin-like growth factor receptor (IGF-IR) pathway is mandatory for the follistatin-induced skeletal muscle hypertrophy. *Endocrinology*, **2012**, 153, 241-53	4.8	38
38	PPARcontributes to PKM2 and HK2 expression in fatty liver. *Nature Communications*, **2012**, 3, 672	17.4	107
37	The combined deletion of S6K1 and Akt2 deteriorates glycemic control in a high-fat diet. *Molecular and Cellular Biology*, **2012**, 32, 4001-11	4.8	17
36	Cell autonomous lipin 1 function is essential for development and maintenance of white and brown adipose tissue. *Molecular and Cellular Biology*, **2012**, 32, 4794-810	4.8	35
35	Genetic ablation of S6-kinase does not prevent processing of SREBP1. *Advances in Enzyme Regulation*, **2011**, 51, 280-90		7

34	Regulation of the SREBP transcription factors by mTORC1. *Biochemical Society Transactions*, **2011**, 39, 495-9	5.1	60
33	S6 kinase 1 is required for rapamycin-sensitive liver proliferation after mouse hepatectomy. *Journal of Clinical Investigation*, **2011**, 121, 2821-32	15.9	61
32	Rictor is a novel target of p70 S6 kinase-1. *Oncogene*, **2010**, 29, 1003-16	9.2	126
31	Glycolysis inhibition sensitizes tumor cells to death receptors-induced apoptosis by AMP kinase activation leading to Mcl-1 block in translation. *Oncogene*, **2010**, 29, 1641-52	9.2	110
30	Coordinated maintenance of muscle cell size control by AMP-activated protein kinase. *FASEB Journal*, **2010**, 24, 3555-61	0.9	81
29	TPL-2-mediated activation of MAPK downstream of TLR4 signaling is coupled to arginine availability. *Science Signaling*, **2010**, 3, ra61	8.8	34
28	mTOR/S6 kinase pathway contributes to astrocyte survival during ischemia. *Journal of Biological Chemistry*, **2009**, 284, 22067-22078	5.4	70
27	Important role for AMPKalpha1 in limiting skeletal muscle cell hypertrophy. *FASEB Journal*, **2009**, 23, 2264-73	0.9	99
26	Muscle inactivation of mTOR causes metabolic and dystrophin defects leading to severe myopathy. *Journal of Cell Biology*, **2009**, 187, 859-74	7.3	260
25	Muscle inactivation of mTOR causes metabolic and dystrophin defects leading to severe myopathy. *Journal of Experimental Medicine*, **2009**, 206, i33-i33	16.6	
24	Akt activation protects pancreatic beta cells from AMPK-mediated death through stimulation of mTOR. *Biochemical Pharmacology*, **2008**, 75, 1981-93	6	35
23	Constitutively active Akt1 expression in mouse pancreas requires S6 kinase 1 for insulinoma formation. *Journal of Clinical Investigation*, **2008**, 118, 3629-38	15.9	50
22	S6 kinase inactivation impairs growth and translational target phosphorylation in muscle cells maintaining proper regulation of protein turnover. *American Journal of Physiology - Cell Physiology*, **2007**, 293, C712-22	5.4	72
21	S6 kinase deletion suppresses muscle growth adaptations to nutrient availability by activating AMP kinase. *Cell Metabolism*, **2007**, 5, 476-87	24.6	142
20	Growth hormone promotes skeletal muscle cell fusion independent of insulin-like growth factor 1 up-regulation. *Proceedings of the National Academy of Sciences of the United States of America*, **2006** , 103, 7315-20	11.5	108
19	The mTOR/PI3K and MAPK pathways converge on eIF4B to control its phosphorylation and activity. *EMBO Journal*, **2006**, 25, 2781-91	13	391
18	mTOR, Akt, S6 kinases and the control of skeletal muscle growth. *Bulletin Du Cancer*, **2006**, 93, E39-43	2.4	14
17	Atrophy of S6K1(-/-) skeletal muscle cells reveals distinct mTOR effectors for cell cycle and size control. *Nature Cell Biology*, **2005**, 7, 286-94	23.4	307

16	Roles of the lactogens and somatogens in perinatal and postnatal metabolism and growth: studies of a novel mouse model combining lactogen resistance and growth hormone deficiency. *Endocrinology*, **2005**, 146, 103-12	4.8	49
15	Deletion of ribosomal S6 kinases does not attenuate pathological, physiological, or insulin-like growth factor 1 receptor-phosphoinositide 3-kinase-induced cardiac hypertrophy. *Molecular and Cellular Biology*, **2004**, 24, 6231-40	4.8	96
14	S6K1(-/-)/S6K2(-/-) mice exhibit perinatal lethality and rapamycin-sensitive 5\terminal oligopyrimidine mRNA translation and reveal a mitogen-activated protein kinase-dependent S6 kinase pathway. *Molecular and Cellular Biology*, **2004**, 24, 3112-24	4.8	623
13	Gluco-incretins control insulin secretion at multiple levels as revealed in mice lacking GLP-1 and GIP receptors. *Journal of Clinical Investigation*, **2004**, 113, 635-645	15.9	191
12	Insulin regulation of insulin-like growth factor-binding protein-1 gene expression is dependent on the mammalian target of rapamycin, but independent of ribosomal S6 kinase activity. *Journal of Biological Chemistry*, **2002**, 277, 9889-95	5.4	36
11	Hypoinsulinaemia, glucose intolerance and diminished beta-cell size in S6K1-deficient mice. *Nature*, **2000**, 408, 994-7	50.4	388
10	Neurotransmitter- and growth factor-induced cAMP response element binding protein phosphorylation in glial cell progenitors: role of calcium ions, protein kinase C, and mitogen-activated protein kinase/ribosomal S6 kinase pathway. *Journal of Neuroscience*, **1997**, 17, 1291-301	6.6	171
9	Cycloheximide inhibits kainic acid-induced GAP-43 mRNA in dentate granule cells in rats. *NeuroReport*, **1996**, 7, 2539-42	1.7	8
8	Expression and regulation of kainate and AMPA receptors in uncommitted and committed neural progenitors. *Neurochemical Research*, **1995**, 20, 549-60	4.6	31
7	Glutamate regulates intracellular calcium and gene expression in oligodendrocyte progenitors through the activation of DL-alpha-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid receptors. *Proceedings of the National Academy of Sciences of the United States of America*, **1994**, 91, 3215-9	11.5	99
6	Expression of GAP-43 in the granule cells of rat hippocampus after seizure-induced sprouting of mossy fibres: in situ hybridization and immunocytochemical studies. *European Journal of Neuroscience*, **1994**, 6, 509-15	3.5	63
5	Does GFAP mRNA and mitochondrial benzodiazepine receptor binding detect serotonergic neuronal degeneration in rat?. *Brain Research Bulletin*, **1994**, 34, 389-94	3.9	20
4	Release of endogenous glutamic and aspartic acids from cerebrocortex synaptosomes and its modulation through activation of a gamma-aminobutyric acidB (GABAB) receptor subtype. *Brain Research*, **1993**, 604, 325-30	3.7	56
3	Subclassification of release-regulating alpha 2-autoreceptors in human brain cortex. *British Journal of Pharmacology*, **1992**, 107, 1146-51	8.6	40
2	GM1 ganglioside treatment promotes recovery of electrically-stimulated [3H]dopamine release in striatal slices from rats lesioned with kainic acid. *Neuroscience Letters*, **1992**, 136, 127-30	3.3	1
1	gamma-Aminobutyric acid and glycine modulate each other\s release through heterocarriers sited on the releasing axon terminals of rat CNS. *Journal of Neurochemistry*, **1992**, 59, 1481-9	6	32