George Thomas

List of Publications by Year in Descending Order

54 papers	12,116 citations	40 h-index	56 g-index
56 ext. papers	13,292 ext. citations	13.5 avg, IF	5.8 L-index

#	Paper	IF	Citations
54	Sexual Dysfunction in Schizophrenia: A Narrative Review of the Mechanisms and Clinical Considerations. *Psychiatry International*, **2022**, 3, 29-42	0.8	0
53	Reprogrammed mRNA translation drives resistance to therapeutic targeting of ribosome biogenesis. *EMBO Journal*, **2020**, 39, e105111	13	9
52	Nucleotide depletion reveals the impaired ribosome biogenesis checkpoint as a barrier against DNA damage. *EMBO Journal*, **2020**, 39, e103838	13	9
51	Oncogenic MYC Induces the Impaired Ribosome Biogenesis Checkpoint and Stabilizes p53 Independent of Increased Ribosome Content. *Cancer Research*, **2019**, 79, 4348-4359	10.1	11
50	Phenformin-Induced Mitochondrial Dysfunction Sensitizes Hepatocellular Carcinoma for Dual Inhibition of mTOR. *Clinical Cancer Research*, **2018**, 24, 3767-3780	12.9	13
49	Mitochondrial Complex I Activity Is Required for Maximal Autophagy. *Cell Reports*, **2018**, 24, 2404-2417.e8	8.6	48
48	Ribosome biogenesis in cancer: new players and therapeutic avenues. *Nature Reviews Cancer*, **2018**, 18, 51-63	31.3	276
47	A Phase Ib Study of the Dual PI3K/mTOR Inhibitor Dactolisib (BEZ235) Combined with Everolimus in Patients with Advanced Solid Malignancies. *Targeted Oncology*, **2017**, 12, 323-332	5	61
46	Autogenous Control of 5?TOP mRNA Stability by 40S Ribosomes. *Molecular Cell*, **2017**, 67, 55-70.e4	17.6	49
45	Hypoxia-mediated translational activation of ITGB3 in breast cancer cells enhances TGF-β signaling and malignant features and. *Oncotarget*, **2017**, 8, 114856-114876	3.3	24
44	Effect of low doses of actinomycin D on neuroblastoma cell lines. *Molecular Cancer*, **2016**, 15, 1	42.1	48
43	S6K-STING interaction regulates cytosolic DNA-mediated activation of the transcription factor IRF3. *Nature Immunology*, **2016**, 17, 514-522	19.1	45
42	S6K1 Phosphorylation of H2B Mediates EZH2 Trimethylation of H3: A Determinant of Early Adipogenesis. *Molecular Cell*, **2016**, 62, 443-452	17.6	49
41	A liaison between mTOR signaling, ribosome biogenesis and cancer. *Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms*, **2015**, 1849, 812-20	6	72
40	V-ATPase: a master effector of E2F1-mediated lysosomal trafficking, mTORC1 activation and autophagy. *Oncotarget*, **2015**, 6, 28057-70	3.3	36
39	Loss of tumor suppressor RPL5/RPL11 does not induce cell cycle arrest but impedes proliferation due to reduced ribosome content and translation capacity. *Molecular and Cellular Biology*, **2013**, 33, 4660-71	4.8	67
38	5S ribosomal RNA is an essential component of a nascent ribosomal precursor complex that regulates the Hdm2-p53 checkpoint. *Cell Reports*, **2013**, 4, 87-98	10.6	165

37	Mechanistic target of rapamycin (Mtor) is essential for murine embryonic heart development and growth. *PLoS ONE*, **2013**, 8, e54221	3.7	57
36	Metabolic control by S6 kinases depends on dietary lipids. *PLoS ONE*, **2012**, 7, e32631	3.7	15
35	Phospholipase D and mTORC1: nutrients are what bring them together. *Science Signaling*, **2012**, 5, pe13	8.8	25
34	mTOR inhibitors synergize on regression, reversal of gene expression, and autophagy in hepatocellular carcinoma. *Science Translational Medicine*, **2012**, 4, 139ra84	17.5	76
33	Suprainduction of p53 by disruption of 40S and 60S ribosome biogenesis leads to the activation of a novel G2/M checkpoint. *Genes and Development*, **2012**, 26, 1028-40	12.6	134
32	A matter of energy stress: p38 meets mTORC1. *Cell Research*, **2011**, 21, 859-61	24.7	3
31	Differential expression of S6K2 dictates tissue-specific requirement for S6K1 in mediating aberrant mTORC1 signaling and tumorigenesis. *Cancer Research*, **2011**, 71, 3669-75	10.1	16
30	Research and innovation in the development of everolimus for oncology. *Expert Opinion on Drug Discovery*, **2011**, 6, 323-38	6.2	22
29	mTORC1-mediated cell proliferation, but not cell growth, controlled by the 4E-BPs. *Science*, **2010**, 328, 1172-6	33.3	538
28	Vesicular stomatitis virus oncolysis is potentiated by impairing mTORC1-dependent type I IFN production. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 1576-81	11.5	100
27	The nuclear receptor DHR3 modulates dS6 kinase-dependent growth in Drosophila. *PLoS Genetics*, **2010**, 6, e1000937	6	15
26	S6K1 plays a critical role in early adipocyte differentiation. *Developmental Cell*, **2010**, 18, 763-74	10.2	145
25	Phosphatase 2A puts the brakes on mTORC1 nutrient signaling. *Cell Metabolism*, **2010**, 11, 245-7	24.6	1
24	Metformin, independent of AMPK, inhibits mTORC1 in a rag GTPase-dependent manner. *Cell Metabolism*, **2010**, 11, 390-401	24.6	631
23	Muscle inactivation of mTOR causes metabolic and dystrophin defects leading to severe myopathy. *Journal of Cell Biology*, **2009**, 187, 859-74	7.3	260
22	Tubers and tumors: rapamycin therapy for benign and malignant tumors. *Current Opinion in Cell Biology*, **2009**, 21, 230-6	9	38
21	Ribosomal protein S6 kinase 1 signaling regulates mammalian life span. *Science*, **2009**, 326, 140-4	33.3	866
20	Differential requirement of mTOR in postmitotic tissues and tumorigenesis. *Science Signaling*, **2009**, 2, ra2	8.8	55

19	mTOR, cancer and transplantation. *American Journal of Transplantation*, **2008**, 8, 2212-8	8.7	88
18	Amino acids activate mTOR complex 1 via Ca2+/CaM signaling to hVps34. *Cell Metabolism*, **2008**, 7, 456-65	24.6	301
17	Identifying optimal biologic doses of everolimus (RAD001) in patients with cancer based on the modeling of preclinical and clinical pharmacokinetic and pharmacodynamic data. *Journal of Clinical Oncology*, **2008**, 26, 1596-602	2.2	192
16	Effective in vivo targeting of the mammalian target of rapamycin pathway in malignant peripheral nerve sheath tumors. *Molecular Cancer Therapeutics*, **2008**, 7, 1237-45	6.1	110
15	Removal of S6K1 and S6K2 leads to divergent alterations in learning, memory, and synaptic plasticity. *Learning and Memory*, **2008**, 15, 29-38	2.8	106
14	Inhibition of mTORC1 leads to MAPK pathway activation through a PI3K-dependent feedback loop in human cancer. *Journal of Clinical Investigation*, **2008**, 118, 3065-74	15.9	1031
13	Identification of IRS-1 Ser-1101 as a target of S6K1 in nutrient- and obesity-induced insulin resistance. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 14056-61	11.5	336
12	mTOR Complex1-S6K1 signaling: at the crossroads of obesity, diabetes and cancer. *Trends in Molecular Medicine*, **2007**, 13, 252-9	11.5	389
11	Rapamycin causes regression of astrocytomas in tuberous sclerosis complex. *Annals of Neurology*, **2006**, 59, 490-8	9.4	494
10	Hypothalamic mTOR signaling regulates food intake. *Science*, **2006**, 312, 927-30	33.3	973
9	The amino acid sensitive TOR pathway from yeast to mammals. *FEBS Letters*, **2006**, 580, 2821-9	3.8	169
8	The mTOR inhibitor RAD001 sensitizes tumor cells to DNA-damaged induced apoptosis through inhibition of p21 translation. *Cell*, **2005**, 120, 747-59	56.2	435
7	Amino acids mediate mTOR/raptor signaling through activation of class 3 phosphatidylinositol 3OH-kinase. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 14238-43	11.5	622
6	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
5	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
4	Antitumor efficacy of intermittent treatment schedules with the rapamycin derivative RAD001 correlates with prolonged inactivation of ribosomal protein S6 kinase 1 in peripheral blood mononuclear cells. *Cancer Research*, **2004**, 64, 252-61	10.1	302
3	Disruption of the mouse mTOR gene leads to early postimplantation lethality and prohibits embryonic stem cell development. *Molecular and Cellular Biology*, **2004**, 24, 9508-16	4.8	375
2	Phytohormones participate in an S6 kinase signal transduction pathway in Arabidopsis. *Plant Physiology*, **2004**, 134, 1527-35	6.6	97

1	Absence of S6K1 protects against age- and diet-induced obesity while enhancing insulin sensitivity. *Nature*, **2004**, 431, 200-5	50.4	1341