Michael N Hall

List of Publications by Year
in descending order

221 papers	46,601 citations	1612 105 h-index	1823 210 g-index
232 all docs	232 docs citations	232 times ranked	41564 citing authors

#	Article	IF	Citations
1	TOR Signaling in Growth and Metabolism. Cell, 2006, 124, 471-484.	13.5	5,202
2	Mammalian TOR complex 2 controls the actin cytoskeleton and is rapamycin insensitive. Nature Cell Biology, 2004, 6, 1122-1128.	4.6	1,873
3	TOR, a Central Controller of Cell Growth. Cell, 2000, 103, 253-262.	13.5	1,834
4	Targets for cell cycle arrest by the immunosuppressant rapamycin in yeast. Science, 1991, 253, 905-909.	6.0	1,780
5	Two TOR Complexes, Only One of which Is Rapamycin Sensitive, Have Distinct Roles in Cell Growth Control. Molecular Cell, 2002, 10, 457-468.	4.5	1,685
6	Making new contacts: the mTOR network in metabolism and signalling crosstalk. Nature Reviews Molecular Cell Biology, 2014, 15, 155-162.	16.1	912
7	The TOR signalling pathway controls nuclear localization of nutrient-regulated transcription factors. Nature, 1999, 402, 689-692.	13.7	883
8	Rapamycin passes the torch: a new generation of mTOR inhibitors. Nature Reviews Drug Discovery, 2011, 10, 868-880.	21.5	830
9	Target of rapamycin in yeast, TOR2, is an essential phosphatidylinositol kinase homolog required for G1 progression. Cell, 1993, 73, 585-596.	13.5	819
10	Target of Rapamycin (TOR) in Nutrient Signaling and Growth Control. Genetics, 2011, 189, 1177-1201.	1.2	732
11	Sch9 Is a Major Target of TORC1 in Saccharomyces cerevisiae. Molecular Cell, 2007, 26, 663-674.	4.5	723
12	mTOR signalling and cellular metabolism are mutual determinants in cancer. Nature Reviews Cancer, 2018, 18, 744-757.	12.8	685
13	Activation of mTORC2 by Association with the Ribosome. Cell, 2011, 144, 757-768.	13.5	586
14	Nutrient sensing and <scp>TOR</scp> signaling in yeast and mammals. EMBO Journal, 2017, 36, 397-408.	3.5	570
15	Glutaminolysis Activates Rag-mTORC1 Signaling. Molecular Cell, 2012, 47, 349-358.	4.5	563
16	Skeletal Muscle-Specific Ablation of raptor, but Not of rictor, Causes Metabolic Changes and Results in Muscle Dystrophy. Cell Metabolism, 2008, 8, 411-424.	7.2	557
17	Nuclear protein localization. BBA - Biomembranes, 1991, 1071, 83-101.	7.9	553
18	TOR signalling in bugs, brain and brawn. Nature Reviews Molecular Cell Biology, 2003, 4, 117-126.	16.1	549

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19	The expanding TOR signaling network. Current Opinion in Cell Biology, 2005, 17, 158-166.	2.6	477
20	Role of mTOR in podocyte function and diabetic nephropathy in humans and mice. Journal of Clinical Investigation, 2011, 121, 2197-2209.	3.9	467
21	TOR signalling and control of cell growth. Current Opinion in Cell Biology, 1997, 9, 782-787.	2.6	465
22	mTORC1 activation in podocytes is a critical step in the development of diabetic nephropathy in mice. Journal of Clinical Investigation, 2011, 121, 2181-2196.	3.9	462
23	Where is mTOR and what is it doing there?. Journal of Cell Biology, 2013, 203, 563-574.	2.3	454
24	Hepatic mTORC2 Activates Glycolysis and Lipogenesis through Akt, Glucokinase, and SREBP1c. Cell Metabolism, 2012, 15, 725-738.	7.2	452
25	Targeting of E. coli Î²-galactosidase to the nucleus in yeast. Cell, 1984, 36, 1057-1065.	13.5	435
26	mTOR complex 2-Akt signaling at mitochondria-associated endoplasmic reticulum membranes (MAM) regulates mitochondrial physiology. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 12526-12534.	3.3	435
27	Adipose-Specific Knockout of raptor Results in Lean Mice with Enhanced Mitochondrial Respiration. Cell Metabolism, 2008, 8, 399-410.	7.2	434
28	AMPK and TOR: The Yin and Yang of Cellular Nutrient Sensing and Growth Control. Cell Metabolism, 2020, 31, 472-492.	7.2	428
29	Quantitative Phosphoproteomics Reveal mTORC1 Activates de Novo Pyrimidine Synthesis. Science, 2013, 339, 1320-1323.	6.0	427
30	TOR Regulates Ribosomal Protein Gene Expression via PKA and the Forkhead Transcription Factor FHL1. Cell, 2004, 119, 969-979.	13.5	418
31	SIGNALING TO THE ACTIN CYTOSKELETON. Annual Review of Cell and Developmental Biology, 1998, 14, 305-338.	4.0	409
32	mTOR signaling in disease. Current Opinion in Cell Biology, 2011, 23, 744-755.	2.6	409
33	mTOR in aging, metabolism, and cancer. Current Opinion in Genetics and Development, 2013, 23, 53-62.	1.5	402
34	A role for mRNA secondary structure in the control of translation initiation. Nature, 1982, 295, 616-618.	13.7	360
35	The ompB locus and the regulation of the major outer membrane porin proteins of Escherichia coli K12. Journal of Molecular Biology, 1981, 146, 23-43.	2.0	358
36	Genetic analysis of the ompB locus in Escherichia coli K-12. Journal of Molecular Biology, 1981, 151, 1-15.	2.0	341

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37	Genetic Analysis of Protein Export in Escherichia Coli K12. Annual Review of Biochemistry, 1985, 54, 101-134.	5.0	332
38	Elucidating TOR Signaling and Rapamycin Action: Lessons from Saccharomyces cerevisiae. Microbiology and Molecular Biology Reviews, 2002, 66, 579-591.	2.9	312
39	Insulin resistance causes inflammation in adipose tissue. Journal of Clinical Investigation, 2018, 128, 1538-1550.	3.9	303
40	The Search for Antiaging Interventions: From Elixirs to Fasting Regimens. Cell, 2014, 157, 1515-1526.	13.5	302
41	FK 506-binding protein proline rotamase is a target for the immunosuppressive agent FK 506 in Saccharomyces cerevisiae.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 1948-1952.	3.3	298
42	The role of trehalose synthesis for the acquisition of thermotolerance in yeast. II. Physiological concentrations of trehalose increase the thermal stability of proteins in vitro. FEBS Journal, 1994, 219, 187-193.	0.2	295
43	The Yeast Phosphatidylinositol Kinase Homolog TOR2 Activates RHO1 and RHO2 via the Exchange Factor ROM2. Cell, 1997, 88, 531-542.	13.5	293
44	The TOR nutrient signalling pathway phosphorylates NPR1 and inhibits turnover of the tryptophan permease. EMBO Journal, 1998, 17, 6924-6931.	3.5	289
45	The TOR-controlled transcription activators GLN3, RTG1, and RTG3 are regulated in response to intracellular levels of glutamine. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 6784-6789.	3.3	287
46	mTORC2 Promotes Tumorigenesis via Lipid Synthesis. Cancer Cell, 2017, 32, 807-823.e12.	7.7	282
47	Architecture of human mTOR complex 1. Science, 2016, 351, 48-52.	6.0	280
48	Starvation Induces Vacuolar Targeting and Degradation of the Tryptophan Permease in Yeast. Journal of Cell Biology, 1999, 146, 1227-1238.	2.3	279
49	mTOR and the control of whole body metabolism. Current Opinion in Cell Biology, 2009, 21, 209-218.	2.6	276
50	Bidirectional crosstalk between endoplasmic reticulum stress and mTOR signaling. Trends in Cell Biology, 2012, 22, 274-282.	3.6	275
51	Cell Wall Stress Depolarizes Cell Growth via Hyperactivation of Rho1. Journal of Cell Biology, 1999, 147, 163-174.	2.3	270
52	Inhibition of mTOR with sirolimus slows disease progression in Han:SPRD rats with autosomal dominant polycystic kidney disease (ADPKD). Nephrology Dialysis Transplantation, 2006, 21, 598-604.	0.4	262
53	mTORC1-mediated translational elongation limits intestinal tumour initiation and growth. Nature, 2015, 517, 497-500.	13.7	257
54	Cyclosporin A, FK506 and rapamycin: more than just immunosuppression. Trends in Biochemical Sciences, 1993, 18, 334-338.	3.7	251

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55	PRAS40 and PRR5-Like Protein Are New mTOR Interactors that Regulate Apoptosis. PLoS ONE, 2007, 2, e1217.	1.1	248
56	Inhibition of mTORC1 by Astrin and Stress Granules Prevents Apoptosis in Cancer Cells. Cell, 2013, 154, 859-874.	13.5	243
57	mTOR signaling in cellular and organismal energetics. Current Opinion in Cell Biology, 2015, 33, 55-66.	2.6	240
58	Activation of the RAS/Cyclic AMP Pathway Suppresses a TOR Deficiency in Yeast. Molecular and Cellular Biology, 2004, 24, 338-351.	1.1	239
59	TOR2 is required for organization of the actin cytoskeleton in yeast. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 13780-13785.	3.3	238
60	Dual Inhibition of the Lactate Transporters MCT1 and MCT4 Is Synthetic Lethal with Metformin due to NAD+ Depletion in Cancer Cells. Cell Reports, 2018, 25, 3047-3058.e4.	2.9	236
61	TOR complex 2: a signaling pathway of its own. Trends in Biochemical Sciences, 2009, 34, 620-627.	3.7	235
62	The Rapamycin-sensitive Phosphoproteome Reveals That TOR Controls Protein Kinase A Toward Some But Not All Substrates. Molecular Biology of the Cell, 2010, 21, 3475-3486.	0.9	226
63	Cardiac Raptor Ablation Impairs Adaptive Hypertrophy, Alters Metabolic Gene Expression, and Causes Heart Failure in Mice. Circulation, 2011, 123, 1073-1082.	1.6	219
64	TIP41 Interacts with TAP42 and Negatively Regulates the TOR Signaling Pathway. Molecular Cell, 2001, 8, 1017-1026.	4.5	208
65	MSS4, a Phosphatidylinositol-4-phosphate 5-Kinase Required for Organization of the Actin Cytoskeleton in Saccharomyces cerevisiae. Journal of Biological Chemistry, 1998, 273, 15787-15793.	1.6	207
66	The stress-activated phosphatidylinositol 3-phosphate 5-kinase Fab1p is essential for vacuole function in S. cerevisiae. Current Biology, 1998, 8, 1219-S2.	1.8	201
67	Tor2 Directly Phosphorylates the AGC Kinase Ypk2 To Regulate Actin Polarization. Molecular and Cellular Biology, 2005, 25, 7239-7248.	1.1	198
68	Molecular Organization of Target of Rapamycin Complex 2. Journal of Biological Chemistry, 2005, 280, 30697-30704.	1.6	197
69	Growth and aging: a common molecular mechanism. Aging, 2009, 1, 357-362.	1.4	195
70	Cell wall integrity modulates RHO1 activity via the exchange factor ROM2. EMBO Journal, 1998, 17, 2235-2245.	3.5	175
71	Multiple amino acid sensing inputs to mTORC1. Cell Research, 2016, 26, 7-20.	5.7	174
72	Nitrogen Source Activates TOR (Target of Rapamycin) Complex 1 via Glutamine and Independently of Gtr/Rag Proteins. Journal of Biological Chemistry, 2014, 289, 25010-25020.	1.6	172

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73	Transcriptional regulation of Escherichia coli K-12 major outer membrane protein 1b. Journal of Bacteriology, 1979, 140, 342-350.	1.0	168
74	A signal sequence is not sufficient to lead Î²-galactosidase out of the cytoplasm. Nature, 1980, 286, 356-359.	13.7	165
75	Sphingoid base signaling via Pkh kinases is required for endocytosis in yeast. EMBO Journal, 2001, 20, 6783-6792.	3.5	162
76	mTOR complex 2 in adipose tissue negatively controls whole-body growth. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 9902-9907.	3.3	162
77	Liver Damage, Inflammation, and Enhanced Tumorigenesis after Persistent mTORC1 Inhibition. Cell Metabolism, 2014, 20, 133-144.	7.2	162
78	mTORâ€"What Does It Do?. Transplantation Proceedings, 2008, 40, S5-S8.	0.3	161
79	mTORC1 Directly Phosphorylates and Regulates Human MAF1. Molecular and Cellular Biology, 2010, 30, 3749-3757.	1.1	158
80	TOR2 Is Part of Two Related Signaling Pathways Coordinating Cell Growth in Saccharomyces cerevisiae. Genetics, 1998, 148, 99-112.	1.2	152
81	Proteins induced by telomere dysfunction and DNA damage represent biomarkers of human aging and disease. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 11299-11304.	3.3	151
82	The protein histidine phosphatase LHPP is a tumour suppressor. Nature, 2018, 555, 678-682.	13.7	151
83	The Rho1 effector Pkc1, but not Bni1, mediates signalling from Tor2 to the actin cytoskeleton. Current Biology, 1998, 8, 1211-S2.	1.8	148
84	Balanced mTORC1 Activity in Oligodendrocytes Is Required for Accurate CNS Myelination. Journal of Neuroscience, 2014, 34, 8432-8448.	1.7	146
85	A mechanism of protein localization: the signal hypothesis and bacteria.. Journal of Cell Biology, 1980, 86, 701-711.	2.3	144
86	The T-DNA-linked VirD2 protein contains two distinct functional nuclear localization signals.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 7442-7446.	3.3	139
87	PDK1 Homologs Activate the Pkc1â€"Mitogen-Activated Protein Kinase Pathway in Yeast. Molecular and Cellular Biology, 1999, 19, 8344-8352.	1.1	138
88	TOR1 and TOR2 Have Distinct Locations in Live Cells. Eukaryotic Cell, 2008, 7, 1819-1830.	3.4	136
89	Hepatic mTORC1 controls locomotor activity, body temperature, and lipid metabolism through FGF21. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 11592-11599.	3.3	134
90	Mitochondria-Endoplasmic Reticulum Contact Sites Function as Immunometabolic Hubs that Orchestrate the Rapid Recall Response of Memory CD8+ T Cells. Immunity, 2018, 48, 542-555.e6.	6.6	133

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91	HEAT Repeats Mediate Plasma Membrane Localization of Tor2p in Yeast. Journal of Biological Chemistry, 2000, 275, 37011-37020.	1.6	132
92	Network-based integration of multi-omics data for prioritizing cancer genes. Bioinformatics, 2018, 34, 2441-2448.	1.8	130
93	Quantitation of changes in protein phosphorylation: A simple method based on stable isotope labeling and mass spectrometry. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 880-885.	3.3	128
94	Yeast Protein Kinases and the RHO1 Exchange Factor TUS1 Are Novel Components of the Cell Integrity Pathway in Yeast. Molecular and Cellular Biology, 2002, 22, 1329-1339.	1.1	127
95	Homeo domain of the yeast repressor alpha 2 is a sequence-specific DNA-binding domain but is not sufficient for repression. Science, 1987, 237, 1007-1012.	6.0	126
96	AKT Promotes rRNA Synthesis and Cooperates with c-MYC to Stimulate Ribosome Biogenesis in Cancer. Science Signaling, 2011, 4, ra56.	1.6	126
97	Activated mTORC1 promotes long-term cone survival in retinitis pigmentosa mice. Journal of Clinical Investigation, 2015, 125, 1446-1458.	3.9	126
98	Genome-wide lethality screen identifies new PI4,5P2 effectors that regulate the actin cytoskeleton. EMBO Journal, 2004, 23, 3747-3757.	3.5	124
99	Regulation of mTORC2 Signaling. Genes, 2020, 11, 1045.	1.0	124
100	Differential response of skeletal muscles to mTORC1 signaling during atrophy and hypertrophy. Skeletal Muscle, 2013, 3, 6.	1.9	122
101	WNT7B Promotes Bone Formation in part through mTORC1. PLoS Genetics, 2014, 10, e1004145.	1.5	122
102	mTOR substrate phosphorylation in growth control. Cell, 2022, 185, 1814-1836.	13.5	120
103	Hypoxia-Induced Endothelial Proliferation Requires Both mTORC1 and mTORC2. Circulation Research, 2007, 100, 79-87.	2.0	119
104	Eap1p, a Novel Eukaryotic Translation Initiation Factor 4E-Associated Protein in Saccharomyces cerevisiae. Molecular and Cellular Biology, 2000, 20, 4604-4613.	1.1	118
105	The Opposing Actions of Target of Rapamycin and AMP-Activated Protein Kinase in Cell Growth Control. Cold Spring Harbor Perspectives in Biology, 2015, 7, a019141.	2.3	115
106	The Solution Structure of the FATC Domain of the Protein Kinase Target of Rapamycin Suggests a Role for Redox-dependent Structural and Cellular Stability. Journal of Biological Chemistry, 2005, 280, 20558-20564.	1.6	111
107	The TSC-mTOR Pathway Mediates Translational Activation of TOP mRNAs by Insulin Largely in a Raptor- or Rictor-Independent Manner. Molecular and Cellular Biology, 2009, 29, 640-649.	1.1	111
108	<scp>mTORC</scp> 2 sustains thermogenesis via Aktâ€induced glucose uptake and glycolysis in brown adipose tissue. EMBO Molecular Medicine, 2016, 8, 232-246.	3.3	110

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109	TOR signaling in invertebrates. Current Opinion in Cell Biology, 2009, 21, 825-836.	2.6	108
110	Sequence information within the lamB gene is required for proper routing of the bacteriophage Î» receptor protein to the outer membrane of Escherichia coli K-12. Journal of Molecular Biology, 1982, 156, 93-112.	2.0	94
111	TORC1 Promotes Phosphorylation of Ribosomal Protein S6 via the AGC Kinase Ypk3 in Saccharomyces cerevisiae. PLoS ONE, 2015, 10, e0120250.	1.1	93
112	Homeodomain of yeast repressor alpha 2 contains a nuclear localization signal.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 6954-6958.	3.3	90
113	TORC1-regulated protein kinase Npr1 phosphorylates Orm to stimulate complex sphingolipid synthesis. Molecular Biology of the Cell, 2013, 24, 870-881.	0.9	88
114	The GATA Transcription Factors GLN3 and GAT1 Link TOR to Salt Stress in Saccharomyces cerevisiae. Journal of Biological Chemistry, 2001, 276, 34441-34444.	1.6	84
115	Regulation of TOR by small GTPases. EMBO Reports, 2012, 13, 121-128.	2.0	84
116	mTORC1 maintains renal tubular homeostasis and is essential in response to ischemic stress. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2817-26.	3.3	82
117	Brief Report: The Differential Roles of mTORC1 and mTORC2 in Mesenchymal Stem Cell Differentiation. Stem Cells, 2015, 33, 1359-1365.	1.4	82
118	A yeast cyclophilin gene essential for lactate metabolism at high temperature.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 11169-11173.	3.3	78
119	Identification of OmpR: a positive regulatory protein controlling expression of the major outer membrane matrix porin proteins of Escherichia coli K-12. Journal of Bacteriology, 1981, 147, 255-258.	1.0	74
120	mTORC1 and mTORC2 regulate skin morphogenesis and epidermal barrier formation. Nature Communications, 2016, 7, 13226.	5.8	72
121	Indirect monitoring of TORC1 signalling pathway reveals molecular diversity among different yeast strains. Yeast, 2019, 36, 65-74.	0.8	71
122	Third target of rapamycin complex negatively regulates development of quiescence in <i>Trypanosoma brucei</i>. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 14399-14404.	3.3	70
123	Isolation and characterization of mutations altering expression of the major outer membrane porin proteins using the local anaesthetic procaine. Journal of Molecular Biology, 1983, 166, 273-282.	2.0	69
124	mTOR Signaling Confers Resistance to Targeted Cancer Drugs. Trends in Cancer, 2016, 2, 688-697.	3.8	65
125	Mutual Antagonism of Target of Rapamycin and Calcineurin Signaling. Journal of Biological Chemistry, 2006, 281, 33000-33007.	1.6	64
126	Quantitative proteomics and phosphoproteomics on serial tumor biopsies from a sorafenib-treated HCC patient. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1381-1386.	3.3	64

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127	mTORC2 Signaling Drives the Development and Progression of Pancreatic Cancer. Cancer Research, 2016, 76, 6911-6923.	0.4	63
128	Mammalian Target of Rapamycin Complex 1 Orchestrates Invariant NKT Cell Differentiation and Effector Function. Journal of Immunology, 2014, 193, 1759-1765.	0.4	62
129	Combined inhibition of PI3K-related DNA damage response kinases and mTORC1 induces apoptosis in MYC-driven B-cell lymphomas. Blood, 2013, 121, 2964-2974.	0.6	59
130	Architecture of the human mTORC2 core complex. ELife, 2018, 7, .	2.8	59
131	CLIP and cohibin separate rDNA from nucleolar proteins destined for degradation by nucleophagy. Journal of Cell Biology, 2018, 217, 2675-2690.	2.3	58
132	The 3.2-Ã… resolution structure of human mTORC2. Science Advances, 2020, 6, .	4.7	57
133	The RHO1-GAPs SAC7, BEM2 and BAG7 control distinct RHO1 functions in Saccharomyces cerevisiae. Molecular Microbiology, 2002, 45, 1433-1441.	1.2	55
134	Glutaminolysis feeds mTORC1. Cell Cycle, 2012, 11, 4107-4108.	1.3	55
135	Zim17, a Novel Zinc Finger Protein Essential for Protein Import into Mitochondria. Journal of Biological Chemistry, 2004, 279, 50243-50249.	1.6	54
136	TOR regulates late steps of ribosome maturation in the nucleoplasm via Nog1 in response to nutrients. EMBO Journal, 2006, 25, 3832-3842.	3.5	54
137	mTOR in health and in sickness. Journal of Molecular Medicine, 2015, 93, 1061-1073.	1.7	54
138	The TOR signalling pathway and growth control in yeast. Biochemical Society Transactions, 1996, 24, 234-239.	1.6	51
139	Regulation of ribosome biogenesis: Where is TOR?. Cell Metabolism, 2006, 4, 259-260.	7.2	50
140	CLN3 expression is sufficient to restore G1-to-S-phase progression in Saccharomyces cerevisiae mutants defective in translation initiation factor eIF4E. Biochemical Journal, 1999, 340, 135-141.	1.7	49
141	Inferring causal metabolic signals that regulate the dynamic <scp>TORC</scp>1â€dependent transcriptome. Molecular Systems Biology, 2015, 11, 802.	3.2	49
142	KAE1 Allelic Variants Affect TORC1 Activation and Fermentation Kinetics in Saccharomyces cerevisiae. Frontiers in Microbiology, 2019, 10, 1686.	1.5	49
143	mTORC2 Caught in a SINful Akt. Developmental Cell, 2006, 11, 433-434.	3.1	48
144	Syrosingopine sensitizes cancer cells to killing by metformin. Science Advances, 2016, 2, e1601756.	4.7	48

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145	Cardiac mTOR complex 2 preserves ventricular function in pressure-overload hypertrophy. Cardiovascular Research, 2016, 109, 103-114.	1.8	47
146	NPR1 Kinase and RSP5-BUL1/2 Ubiquitin Ligase Control GLN3-dependent Transcription in Saccharomyces cerevisiae. Journal of Biological Chemistry, 2004, 279, 37512-37517.	1.6	46
147	An Amino Acid Shuffle Activates mTORC1. Cell, 2009, 136, 399-400.	13.5	45
148	Integrative proteogenomic characterization of hepatocellular carcinoma across etiologies and stages. Nature Communications, 2022, 13, 2436.	5.8	45
149	Loss of mTORC1 signaling alters pancreatic Î± cell mass and impairs glucagon secretion. Journal of Clinical Investigation, 2017, 127, 4379-4393.	3.9	44
150	Calmodulin controls organization of the actin cytoskeleton via regulation of phosphatidylinositol (4,5)-bisphosphate synthesis in Saccharomyces cerevisiae. Biochemical Journal, 2002, 366, 945-951.	1.7	43
151	Shared Molecular Targets Confer Resistance over Short and Long Evolutionary Timescales. Molecular Biology and Evolution, 2019, 36, 691-708.	3.5	43
152	mTORC2 critically regulates renal potassium handling. Journal of Clinical Investigation, 2016, 126, 1773-1782.	3.9	37
153	Inducible raptor and rictor Knockout Mouse Embryonic Fibroblasts. Methods in Molecular Biology, 2012, 821, 267-278.	0.4	35
154	Impact papers on aging in 2009. Aging, 2010, 2, 111-121.	1.4	35
155	Activating Mutations in TOR Are in Similar Structures As Oncogenic Mutations in PI3KCÎ±. ACS Chemical Biology, 2009, 4, 999-1015.	1.6	33
156	The dynamic mechanism of 4E-BP1 recognition and phosphorylation by mTORC1. Molecular Cell, 2021, 81, 2403-2416.e5.	4.5	32
157	Rictor in Perivascular Adipose Tissue Controls Vascular Function by Regulating Inflammatory Molecule Expression. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 2105-2111.	1.1	31
158	Identification of the rapamycinâ€sensitive phosphorylation sites within the Ser/Thrâ€rich domain of the yeast Npr1 protein kinase. Rapid Communications in Mass Spectrometry, 2008, 22, 3743-3753.	0.7	28
159	Expression of the Bacterial Type III Effector DspA/E in Saccharomyces cerevisiae Down-regulates the Sphingolipid Biosynthetic Pathway Leading to Growth Arrest. Journal of Biological Chemistry, 2014, 289, 18466-18477.	1.6	28
160	Identification of Immunosuppressive Drug Targets in Yeast. Methods, 1993, 5, 176-187.	1.9	27
161	Active transport of proteins into the nucleus. FEBS Letters, 1990, 275, 1-5.	1.3	26
162	Target of rapamycin (TOR) kinase in <i>Trypanosoma brucei</i>: an extended family. Biochemical Society Transactions, 2013, 41, 934-938.	1.6	26

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163	Loss of mTOR signaling affects cone function, cone structure and expression of cone specific proteins without affecting cone survival. Experimental Eye Research, 2015, 135, 1-13.	1.2	26
164	Gene fusion techniques cloning vectors for manipulating lacZ gene fusions. Gene Analysis Techniques, 1984, 1, 43-51.	1.1	24
165	Conditional disruption of rictor demonstrates a direct requirement for mTORC2 in skin tumor development and continued growth of established tumors. Carcinogenesis, 2015, 36, 487-497.	1.3	24
166	Epidermal mammalian target of rapamycin complex 2 controls lipid synthesis and filaggrin processing in epidermal barrier formation. Journal of Allergy and Clinical Immunology, 2020, 145, 283-300.e8.	1.5	24
167	Rank Difference Analysis of Microarrays (RDAM), a novel approach to statistical analysis of microarray expression profiling data. BMC Bioinformatics, 2004, 5, 148.	1.2	23
168	Yeast cell-free nuclear protein import requires ATP hydrolysis. Experimental Cell Research, 1991, 192, 213-219.	1.2	22
169	mTORC1: Turning Off Is Just as Important as Turning On. Cell, 2014, 156, 627-628.	13.5	22
170	Mammalian Target of Rapamycin Complex 2 Modulates Î±Î²TCR Processing and Surface Expression during Thymocyte Development. Journal of Immunology, 2014, 193, 1162-1170.	0.4	22
171	FAP1, a homologue of human transcription factor NF-X1, competes with rapamycin for binding to FKBP12 in yeast. Molecular Microbiology, 2000, 37, 1480-1493.	1.2	20
172	Negative Regulation of Phosphatidylinositol 4,5-Bisphosphate Levels by the INP51-associated Proteins TAX4 and IRS4. Journal of Biological Chemistry, 2004, 279, 39604-39610.	1.6	20
173	A reference map of sphingolipids in murine tissues. Cell Reports, 2021, 35, 109250.	2.9	20
174	On mTOR nomenclature. Biochemical Society Transactions, 2013, 41, 887-888.	1.6	19
175	TOR and paradigm change: cell growth is controlled. Molecular Biology of the Cell, 2016, 27, 2804-2806.	0.9	19
176	Proteomic Landscape of Aldosterone-Producing Adenoma. Hypertension, 2019, 73, 469-480.	1.3	19
177	Leucyl-tRNA synthetase: double duty in amino acid sensing. Cell Research, 2012, 22, 1207-1209.	5.7	18
178	mTORC1 signaling in Agrp neurons mediates circadian expression of Agrp and NPY but is dispensable for regulation of feeding behavior. Biochemical and Biophysical Research Communications, 2015, 464, 480-486.	1.0	18
179	CLN3 expression is sufficient to restore G1-to-S-phase progression in Saccharomyces cerevisiae mutants defective in translation initiation factor eIF4E. Biochemical Journal, 1999, 340, 135.	1.7	17
180	Analysis of deletion phenotypes and GFP fusions of 21 novelSaccharomyces cerevisiae open reading frames. Yeast, 2000, 16, 241-253.	0.8	17

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181	Maximizing the Efficacy of MAPK-Targeted Treatment in<i>PTEN</i>LOF<i>/BRAF</i>MUT Melanoma through PI3K and IGF1R Inhibition. Cancer Research, 2016, 76, 390-402.	0.4	16
182	TSC on the peroxisome controls mTORC1. Nature Cell Biology, 2013, 15, 1135-1136.	4.6	15
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