

David M Sabatini

List of Publications by Year in descending order

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Version: 2024-02-01

248
papers

128,557
citations

385

134
h-index

718

252
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275
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275
docs citations

275
times ranked

116569
citing authors

#	ARTICLE	IF	CITATIONS
1	GCN2 adapts protein synthesis to scavenging-dependent growth. <i>Cell Systems</i> , 2022, 13, 158-172.e9.	6.2	12
2	Zonated leucine sensing by Sestrin-mTORC1 in the liver controls the response to dietary leucine. <i>Science</i> , 2022, 377, 47-56.	12.6	20
3	Structure of the nutrient-sensing hub GATOR2. <i>Nature</i> , 2022, 607, 610-616.	27.8	32
4	<i>APOE4</i> disrupts intracellular lipid homeostasis in human iPSC-derived glia. <i>Science Translational Medicine</i> , 2021, 13, .	12.4	141
5	CRISPR screens in physiologic medium reveal conditionally essential genes in human cells. <i>Cell Metabolism</i> , 2021, 33, 1248-1263.e9.	16.2	77
6	Limited survival and impaired hepatic fasting metabolism in mice with constitutive Rag GTPase signaling. <i>Nature Communications</i> , 2021, 12, 3660.	12.8	13
7	Genome-wide CRISPR screens reveal multitiered mechanisms through which mTORC1 senses mitochondrial dysfunction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	81
8	Fumarate is a terminal electron acceptor in the mammalian electron transport chain. <i>Science</i> , 2021, 374, 1227-1237.	12.6	96
9	Nutrient mTORC1 signaling underpins regulatory T cell control of immune tolerance. <i>Journal of Experimental Medicine</i> , 2020, 217, .	8.5	24
10	A PEROXO-Tag Enables Rapid Isolation of Peroxisomes from Human Cells. <i>IScience</i> , 2020, 23, 101109.	4.1	26
11	MFSD12 mediates the import of cysteine into melanosomes and lysosomes. <i>Nature</i> , 2020, 588, 699-704.	27.8	52
12	Dihydroxyacetone phosphate signals glucose availability to mTORC1. <i>Nature Metabolism</i> , 2020, 2, 893-901.	11.9	131
13	MCART1/SLC25A51 is required for mitochondrial NAD transport. <i>Science Advances</i> , 2020, 6, .	10.3	106
14	Metabolic determinants of cellular fitness dependent on mitochondrial reactive oxygen species. <i>Science Advances</i> , 2020, 6, .	10.3	28
15	<i>ATRAID</i> regulates the action of nitrogen-containing bisphosphonates on bone. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	15
16	A Nutrient-Sensing Transition at Birth Triggers Glucose-Responsive Insulin Secretion. <i>Cell Metabolism</i> , 2020, 31, 1004-1016.e5.	16.2	84
17	Limited Environmental Serine and Glycine Confer Brain Metastasis Sensitivity to PHGDH Inhibition. <i>Cancer Discovery</i> , 2020, 10, 1352-1373.	9.4	145
18	Increased lysosomal biomass is responsible for the resistance of triple-negative breast cancers to CDK4/6 inhibition. <i>Science Advances</i> , 2020, 6, eabb2210.	10.3	46

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19	Dietary modifications for enhanced cancer therapy. <i>Nature</i> , 2020, 579, 507-517.	27.8	219
20	mTOR at the nexus of nutrition, growth, ageing and disease. <i>Nature Reviews Molecular Cell Biology</i> , 2020, 21, 183-203.	37.0	1,483
21	A human ciliopathy reveals essential functions for NEK10 in airway mucociliary clearance. <i>Nature Medicine</i> , 2020, 26, 244-251.	30.7	45
22	DEPTOR modulates activation responses in CD4+ T cells and enhances immunoregulation following transplantation. <i>American Journal of Transplantation</i> , 2019, 19, 77-88.	4.7	12
23	C7orf59/LAMTOR4 phosphorylation and structural flexibility modulate Ragulator assembly. <i>FEBS Open Bio</i> , 2019, 9, 1589-1602.	2.3	6
24	Notum produced by Paneth cells attenuates regeneration of aged intestinal epithelium. <i>Nature</i> , 2019, 571, 398-402.	27.8	166
25	Architecture of human Rag GTPase heterodimers and their complex with mTORC1. <i>Science</i> , 2019, 366, 203-210.	12.6	89
26	Structural basis for the docking of mTORC1 on the lysosomal surface. <i>Science</i> , 2019, 366, 468-475.	12.6	132
27	Cryo-EM Structure of the Human FLCN-FNIP2-Rag-Ragulator Complex. <i>Cell</i> , 2019, 179, 1319-1329.e8.	28.9	98
28	Activation of PASK by mTORC1 is required for the onset of the terminal differentiation program. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 10382-10391.	7.1	39
29	Genome-wide CRISPR screen for Zika virus resistance in human neural cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 9527-9532.	7.1	91
30	Squalene accumulation in cholesterol auxotrophic lymphomas prevents oxidative cell death. <i>Nature</i> , 2019, 567, 118-122.	27.8	262
31	Nutrient regulation of mTORC1 at a glance. <i>Journal of Cell Science</i> , 2019, 132, .	2.0	222
32	Arg-78 of Nprl2 catalyzes GATOR1-stimulated GTP hydrolysis by the Rag GTPases. <i>Journal of Biological Chemistry</i> , 2019, 294, 2970-5944.	3.4	49
33	MITO-Tag Mice enable rapid isolation and multimodal profiling of mitochondria from specific cell types in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 303-312.	7.1	80
34	Genome-Wide CRISPR/Cas9 Screening for Identification of Cancer Genes in Cell Lines. <i>Methods in Molecular Biology</i> , 2019, 1907, 125-136.	0.9	16
35	Discovery and optimization of piperazine-1-thiourea-based human phosphoglycerate dehydrogenase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 1727-1739.	3.0	23
36	Serine Catabolism by SHMT2 Is Required for Proper Mitochondrial Translation Initiation and Maintenance of Formylmethionyl-tRNAs. <i>Molecular Cell</i> , 2018, 69, 610-621.e5.	9.7	139

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37	A mouse model of DEPDC5-related epilepsy: Neuronal loss of Depdc5 causes dysplastic and ectopic neurons, increased mTOR signaling, and seizure susceptibility. <i>Neurobiology of Disease</i> , 2018, 111, 91-101.	4.4	79
38	Fasting Activates Fatty Acid Oxidation to Enhance Intestinal Stem Cell Function during Homeostasis and Aging. <i>Cell Stem Cell</i> , 2018, 22, 769-778.e4.	11.1	266
39	NUFIP1 is a ribosome receptor for starvation-induced ribophagy. <i>Science</i> , 2018, 360, 751-758.	12.6	262
40	Architecture of the human GATOR1 and GATOR1â€“Rag GTPases complexes. <i>Nature</i> , 2018, 556, 64-69.	27.8	128
41	RAB7A phosphorylation by TBK1 promotes mitophagy via the PINK-PARKIN pathway. <i>Science Advances</i> , 2018, 4, eaav0443.	10.3	128
42	SFXN1 is a mitochondrial serine transporter required for one-carbon metabolism. <i>Science</i> , 2018, 362, .	12.6	154
43	Glyceraldehyde 3â€“phosphate dehydrogenase modulates nonoxidative pentose phosphate pathway to provide anabolic precursors in hypoxic tumor cells. <i>AICHE Journal</i> , 2018, 64, 4289-4296.	3.6	12
44	Ragulator and SLC38A9 activate the Rag GTPases through noncanonical GEF mechanisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 9545-9550.	7.1	115
45	Identification of a transporter complex responsible for the cytosolic entry of nitrogen-containing bisphosphonates. <i>ELife</i> , 2018, 7, .	6.0	42
46	Histidine catabolism is a major determinant of methotrexate sensitivity. <i>Nature</i> , 2018, 559, 632-636.	27.8	238
47	Gene Essentiality Profiling Reveals Gene Networks and Synthetic Lethal Interactions with Oncogenic Ras. <i>Cell</i> , 2017, 168, 890-903.e15.	28.9	535
48	mTOR Signaling in Growth, Metabolism, and Disease. <i>Cell</i> , 2017, 168, 960-976.	28.9	4,800
49	KICSTOR recruits GATOR1 to the lysosome and is necessary for nutrients to regulate mTORC1. <i>Nature</i> , 2017, 543, 438-442.	27.8	229
50	<i>PIK3CA</i> mutant tumors depend on oxoglutarate dehydrogenase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E3434-E3443.	7.1	38
51	Germinal Center Selection and Affinity Maturation Require Dynamic Regulation of mTORC1 Kinase. <i>Immunity</i> , 2017, 46, 1045-1058.e6.	14.3	232
52	Physiologic Medium Rewires Cellular Metabolism and Reveals Uric Acid as an Endogenous Inhibitor of UMP Synthase. <i>Cell</i> , 2017, 169, 258-272.e17.	28.9	393
53	Loss of hepatic DEPTOR alters the metabolic transition to fasting. <i>Molecular Metabolism</i> , 2017, 6, 447-458.	6.5	32
54	A genome-wide CRISPR screen identifies a restricted set of HIV host dependency factors. <i>Nature Genetics</i> , 2017, 49, 193-203.	21.4	290

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55	Twenty-five years of mTOR: Uncovering the link from nutrients to growth. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11818-11825.	7.1	380
56	Lysosomal metabolomics reveals V-ATPase- and mTOR-dependent regulation of amino acid efflux from lysosomes. Science, 2017, 358, 807-813.	12.6	450
57	Rapid immunopurification of mitochondria for metabolite profiling and absolute quantification of matrix metabolites. Nature Protocols, 2017, 12, 2215-2231.	12.0	83
58	mTORC1 Activator SLC38A9 Is Required to Efflux Essential Amino Acids from Lysosomes and Use Protein as a Nutrient. Cell, 2017, 171, 642-654.e12.	28.9	340
59	Intersubunit Crosstalk in the Rag GTPase Heterodimer Enables mTORC1 to Respond Rapidly to Amino Acid Availability. Molecular Cell, 2017, 68, 552-565.e8.	9.7	74
60	A CRISPR screen identifies a pathway required for paraquat-induced cell death. Nature Chemical Biology, 2017, 13, 1274-1279.	8.0	138
61	The Dawn of the Age of Amino Acid Sensors for the mTORC1 Pathway. Cell Metabolism, 2017, 26, 301-309.	16.2	437
62	NFS1 undergoes positive selection in lung tumours and protects cells from ferroptosis. Nature, 2017, 551, 639-643.	27.8	478
63	SAMTOR is an S-adenosylmethionine sensor for the mTORC1 pathway. Science, 2017, 358, 813-818.	12.6	384
64	Amino acid-insensitive mTORC1 regulation enables nutritional stress resilience in hematopoietic stem cells. Journal of Clinical Investigation, 2017, 127, 1405-1413.	8.2	23
65	High-fat diet enhances stemness and tumorigenicity of intestinal progenitors. Nature, 2016, 531, 53-58.	27.8	602
66	A PHGDH inhibitor reveals coordination of serine synthesis and one-carbon unit fate. Nature Chemical Biology, 2016, 12, 452-458.	8.0	389
67	Mule Regulates the Intestinal Stem Cell Niche via the Wnt Pathway and Targets EphB3 for Proteasomal and Lysosomal Degradation. Cell Stem Cell, 2016, 19, 205-216.	11.1	21
68	Mediobasal hypothalamic overexpression of DEPTOR protects against high-fat diet-induced obesity. Molecular Metabolism, 2016, 5, 102-112.	6.5	33
69	Mechanism of arginine sensing by CASTOR1 upstream of mTORC1. Nature, 2016, 536, 229-233.	27.8	224
70	Absolute Quantification of Matrix Metabolites Reveals the Dynamics of Mitochondrial Metabolism. Cell, 2016, 166, 1324-1337.e11.	28.9	367
71	Longer lifespan in male mice treated with a weakly estrogenic agonist, an antioxidant, an α -glucosidase inhibitor or a Nrf2-inducer. Aging Cell, 2016, 15, 872-884.	6.7	277
72	The TORC1 pathway to protein destruction. Nature, 2016, 536, 155-156.	27.8	17

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73	The apo-structure of the leucine sensor Sestrin2 is still elusive. <i>Science Signaling</i> , 2016, 9, ra92.	3.6	21
74	ERK and p38 MAPK Activities Determine Sensitivity to PI3K/mTOR Inhibition via Regulation of MYC and YAP. <i>Cancer Research</i> , 2016, 76, 7168-7180.	0.9	53
75	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
76	MERAV: a tool for comparing gene expression across human tissues and cell types. <i>Nucleic Acids Research</i> , 2016, 44, D560-D566.	14.5	106
77	Single Guide RNA Library Design and Construction. <i>Cold Spring Harbor Protocols</i> , 2016, 2016, pdb.prot090803.	0.3	30
78	Viral Packaging and Cell Culture for CRISPR-Based Screens. <i>Cold Spring Harbor Protocols</i> , 2016, 2016, pdb.prot090811.	0.3	27
79	Large-Scale Single Guide RNA Library Construction and Use for CRISPR-Cas9-Based Genetic Screens. <i>Cold Spring Harbor Protocols</i> , 2016, 2016, pdb.top086892.	0.3	20
80	The CASTOR Proteins Are Arginine Sensors for the mTORC1 Pathway. <i>Cell</i> , 2016, 165, 153-164.	28.9	598
81	Recurrent mTORC1-activating RRAGC mutations in follicular lymphoma. <i>Nature Genetics</i> , 2016, 48, 183-188.	21.4	160
82	Structural basis for leucine sensing by the Sestrin2-mTORC1 pathway. <i>Science</i> , 2016, 351, 53-58.	12.6	340
83	Sestrin2 is a leucine sensor for the mTORC1 pathway. <i>Science</i> , 2016, 351, 43-48.	12.6	901
84	Lysosomal amino acid transporter SLC38A9 signals arginine sufficiency to mTORC1. <i>Science</i> , 2015, 347, 188-194.	12.6	662
85	Nutrient-sensing mechanisms and pathways. <i>Nature</i> , 2015, 517, 302-310.	27.8	860
86	Cell Growth. , 2015, , 179-190.e1.		4
87	An Essential Role of the Mitochondrial Electron Transport Chain in Cell Proliferation Is to Enable Aspartate Synthesis. <i>Cell</i> , 2015, 162, 540-551.	28.9	1,024
88	Asymmetric apportioning of aged mitochondria between daughter cells is required for stemness. <i>Science</i> , 2015, 348, 340-343.	12.6	463
89	Identification of 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase as a novel autophagy regulator by high content shRNA screening. <i>Oncogene</i> , 2015, 34, 5662-5676.	5.9	56
90	Nutrient-Sensing Mechanisms across Evolution. <i>Cell</i> , 2015, 161, 67-83.	28.9	293

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91	SHMT2 drives glioma cell survival in ischaemia but imposes a dependence on glycine clearance. Nature, 2015, 520, 363-367.	27.8	303
92	Identification and characterization of essential genes in the human genome. Science, 2015, 350, 1096-1101.	12.6	1,461
93	Disruption of the Rag-Ragulator Complex by c17orf59 Inhibits mTORC1. Cell Reports, 2015, 12, 1445-1455.	6.4	31
94	Identification of an oncogenic RAB protein. Science, 2015, 350, 211-217.	12.6	113
95	Myeloid-Specific Rictor Deletion Induces M1 Macrophage Polarization and Potentiates In Vivo Pro-Inflammatory Response to Lipopolysaccharide. PLoS ONE, 2014, 9, e95432.	2.5	94
96	The Adaptor Protein p66Shc Inhibits mTOR-Dependent Anabolic Metabolism. Science Signaling, 2014, 7, ra17.	3.6	37
97	The Sestrins Interact with GATOR2 to Negatively Regulate the Amino-Acid-Sensing Pathway Upstream of mTORC1. Cell Reports, 2014, 9, 1-8.	6.4	394
98	Systematic identification of signaling pathways with potential to confer anticancer drug resistance. Science Signaling, 2014, 7, ra121.	3.6	163
99	Hepatic signaling by the mechanistic target of rapamycin complex 2 (mTORC2). FASEB Journal, 2014, 28, 300-315.	0.5	65
100	Metabolic determinants of cancer cell sensitivity to glucose limitation and biguanides. Nature, 2014, 508, 108-112.	27.8	585
101	Dietary and Metabolic Control of Stem Cell Function in Physiology and Cancer. Cell Stem Cell, 2014, 14, 292-305.	11.1	136
102	Regulation of mTORC1 by amino acids. Trends in Cell Biology, 2014, 24, 400-406.	7.9	649
103	Genetic Screens in Human Cells Using the CRISPR-Cas9 System. Science, 2014, 343, 80-84.	12.6	2,414
104	The Protein Synthesis Inhibitor Blastcidin S Enters Mammalian Cells via Leucine-rich Repeat-containing Protein 8D. Journal of Biological Chemistry, 2014, 289, 17124-17131.	3.4	67
105	Depletion of Rictor, an essential protein component of mTORC2, decreases male lifespan. Aging Cell, 2014, 13, 911-917.	6.7	99
106	Response and Acquired Resistance to Everolimus in Anaplastic Thyroid Cancer. New England Journal of Medicine, 2014, 371, 1426-1433.	27.0	290
107	A Diverse Array of Cancer-Associated MTOR Mutations Are Hyperactivating and Can Predict Rapamycin Sensitivity. Cancer Discovery, 2014, 4, 554-563.	9.4	384
108	Regulation of growth and metabolism. Cancer & Metabolism, 2014, 2, .	5.0	0

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109	Activating mTOR Mutations in a Patient with an Extraordinary Response on a Phase I Trial of Everolimus and Pazopanib. <i>Cancer Discovery</i> , 2014, 4, 546-553.	9.4	266
110	Dihydropyrimidine Accumulation Is Required for the Epithelial-Mesenchymal Transition. <i>Cell</i> , 2014, 158, 1094-1109.	28.9	186
111	Inhibition of ATPIF1 Ameliorates Severe Mitochondrial Respiratory Chain Dysfunction in Mammalian Cells. <i>Cell Reports</i> , 2014, 7, 27-34.	6.4	62
112	RagA, but Not RagB, Is Essential for Embryonic Development and Adult Mice. <i>Developmental Cell</i> , 2014, 29, 321-329.	7.0	81
113	ZFX4 Interacts with the NuRD Core Member CHD4 and Regulates the Glioblastoma Tumor-Initiating Cell State. <i>Cell Reports</i> , 2014, 6, 313-324.	6.4	106
114	mTORC1 Phosphorylation Sites Encode Their Sensitivity to Starvation and Rapamycin. <i>Science</i> , 2013, 341, 1236566.	12.6	383
115	A Central Role for mTOR in Lipid Homeostasis. <i>Cell Metabolism</i> , 2013, 18, 465-469.	16.2	308
116	A Tumor Suppressor Complex with GAP Activity for the Rag GTPases That Signal Amino Acid Sufficiency to mTORC1. <i>Science</i> , 2013, 340, 1100-1106.	12.6	863
117	The Folliculin Tumor Suppressor Is a GAP for the RagC/D GTPases That Signal Amino Acid Levels to mTORC1. <i>Molecular Cell</i> , 2013, 52, 495-505.	9.7	436
118	A CREB3-ARF4 signalling pathway mediates the response to Golgi stress and susceptibility to pathogens. <i>Nature Cell Biology</i> , 2013, 15, 1473-1485.	10.3	135
119	Characterization of Torin2, an ATP-Competitive Inhibitor of mTOR, ATM, and ATR. <i>Cancer Research</i> , 2013, 73, 2574-2586.	0.9	170
120	MCT1-mediated transport of a toxic molecule is an effective strategy for targeting glycolytic tumors. <i>Nature Genetics</i> , 2013, 45, 104-108.	21.4	204
121	Regulation of mTORC1 by the Rag GTPases is necessary for neonatal autophagy and survival. <i>Nature</i> , 2013, 493, 679-683.	27.8	374
122	Calorie restriction in humans inhibits the PI3K/AKT pathway and induces a younger transcription profile. <i>Aging Cell</i> , 2013, 12, 645-651.	6.7	208
123	Regulation of mTORC1 and its impact on gene expression at a glance. <i>Journal of Cell Science</i> , 2013, 126, 1713-9.	2.0	509
124	The bromodomain protein Brd4 insulates chromatin from DNA damage signalling. <i>Nature</i> , 2013, 498, 246-250.	27.8	278
125	The TSC-mTOR pathway regulates macrophage polarization. <i>Nature Communications</i> , 2013, 4, 2834.	12.8	459
126	Nutrients and growth factors in mTORC1 activation. <i>Biochemical Society Transactions</i> , 2013, 41, 902-905.	3.4	46

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127	<i>Pten</i> -Null Tumors Cohabiting the Same Lung Display Differential AKT Activation and Sensitivity to Dietary Restriction. <i>Cancer Discovery</i> , 2013, 3, 908-921.	9.4	36
128	Young and old genetically heterogeneous <i>HET</i> mice on a rapamycin diet are glucose intolerant but insulin sensitive. <i>Aging Cell</i> , 2013, 12, 712-718.	6.7	70
129	Rapalogs and mTOR inhibitors as anti-aging therapeutics. <i>Journal of Clinical Investigation</i> , 2013, 123, 980-989.	8.2	434
130	Rapamycin doses sufficient to extend lifespan do not compromise muscle mitochondrial content or endurance. <i>Aging</i> , 2013, 5, 539-550.	3.1	46
131	A tumor suppressor complex with GAP activity for the Rag GTPases that signal amino acid sufficiency to mTORC1. <i>FASEB Journal</i> , 2013, 27, 832.1.	0.5	0
132	Kinome-wide Selectivity Profiling of ATP-competitive Mammalian Target of Rapamycin (mTOR) Inhibitors and Characterization of Their Binding Kinetics. <i>Journal of Biological Chemistry</i> , 2012, 287, 9742-9752.	3.4	89
133	mTOR Signaling. <i>Cold Spring Harbor Perspectives in Biology</i> , 2012, 4, a011593-a011593.	5.5	219
134	MicroSCALE Screening Reveals Genetic Modifiers of Therapeutic Response in Melanoma. <i>Science Signaling</i> , 2012, 5, rs4.	3.6	33
135	Rapamycin has a biphasic effect on insulin sensitivity in C2C12 myotubes due to sequential disruption of mTORC1 and mTORC2. <i>Frontiers in Genetics</i> , 2012, 3, 177.	2.3	68
136	Ragulator Is a GEF for the Rag GTPases that Signal Amino Acid Levels to mTORC1. <i>Cell</i> , 2012, 150, 1196-1208.	28.9	777
137	A lysosome-to-nucleus signalling mechanism senses and regulates the lysosome via mTOR and TFEB. <i>EMBO Journal</i> , 2012, 31, 1095-1108.	7.8	1,507
138	Amino acids and mTORC1: from lysosomes to disease. <i>Trends in Molecular Medicine</i> , 2012, 18, 524-533.	6.7	370
139	SnapShot: mTORC1 Signaling at the Lysosomal Surface. <i>Cell</i> , 2012, 151, 1390-1390.e1.	28.9	34
140	Selective ATP-Competitive Inhibitors of TOR Suppress Rapamycin-Insensitive Function of TORC2 in <i>Saccharomyces cerevisiae</i> . <i>ACS Chemical Biology</i> , 2012, 7, 982-987.	3.4	12
141	Cancer Cell Metabolism: One Hallmark, Many Faces. <i>Cancer Discovery</i> , 2012, 2, 881-898.	9.4	773
142	mTOR Signaling in Growth Control and Disease. <i>Cell</i> , 2012, 149, 274-293.	28.9	7,066
143	TOR Signaling and Rapamycin Influence Longevity by Regulating SKN-1/Nrf and DAF-16/FoxO. <i>Cell Metabolism</i> , 2012, 15, 713-724.	16.2	533
144	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	9.1	3,122

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145	DEPTOR Cell-Autonomously Promotes Adipogenesis, and Its Expression Is Associated with Obesity. Cell Metabolism, 2012, 16, 202-212.	16.2	99
146	Untuning the tumor metabolic machine: Targeting cancer metabolism: a bedside lesson. Nature Medicine, 2012, 18, 1022-1023.	30.7	60
147	Development of ATP-Competitive mTOR Inhibitors. Methods in Molecular Biology, 2012, 821, 447-460.	0.9	41
148	mTORC1 in the Paneth cell niche couples intestinal stem-cell function to calorie intake. Nature, 2012, 486, 490-495.	27.8	631
149	A unifying model for mTORC1-mediated regulation of mRNA translation. Nature, 2012, 485, 109-113.	27.8	1,245
150	Rapamycin-Induced Insulin Resistance Is Mediated by mTORC2 Loss and Uncoupled from Longevity. Science, 2012, 335, 1638-1643.	12.6	1,022
151	Growth control and metabolism. BMC Proceedings, 2012, 6, .	1.6	0
152	Pharmacologic Means of Extending Lifespan. , 2012, s4, .		5
153	mTORC1 Senses Lysosomal Amino Acids Through an Inside-Out Mechanism That Requires the Vacuolar H ⁺ -ATPase. Science, 2011, 334, 678-683.	12.6	1,369
154	Discovery of 9-(6-Aminopyridin-3-yl)-1-(3-(trifluoromethyl)phenyl)benzo[<i>h</i>][1,6]naphthyridin-2(1 <i>H</i>)-one (Torin2) as a Potent, Selective, and Orally Available Mammalian Target of Rapamycin (mTOR) Inhibitor for Treatment of Cancer. Journal of Medicinal Chemistry, 2011, 54, 1473-1480.	6.4	195
155	Functional genomics reveal that the serine synthesis pathway is essential in breast cancer. Nature, 2011, 476, 346-350.	27.8	1,359
156	mTOR Complex 1 Regulates Lipin 1 Localization to Control the SREBP Pathway. Cell, 2011, 146, 408-420.	28.9	1,002
157	A Radical Role for TOR in Longevity. Cell Metabolism, 2011, 13, 617-618.	16.2	11
158	Postprandial Hepatic Lipid Metabolism Requires Signaling through Akt2 Independent of the Transcription Factors FoxA2, FoxO1, and SREBP1c. Cell Metabolism, 2011, 14, 516-527.	16.2	116
159	The TASCC of Secretion. Science, 2011, 332, 923-925.	12.6	12
160	mTOR: from growth signal integration to cancer, diabetes and ageing. Nature Reviews Molecular Cell Biology, 2011, 12, 21-35.	37.0	3,464
161	Defective Regulation of Autophagy upon Leucine Deprivation Reveals a Targetable Liability of Human Melanoma Cells In Vitro and In Vivo. Cancer Cell, 2011, 19, 613-628.	16.8	203
162	Discovery and optimization of potent and selective benzonaphthyridinone analogs as small molecule mTOR inhibitors with improved mouse microsome stability. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 4036-4040.	2.2	10

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163	A haploid genetic screen identifies the major facilitator domain containing 2A (MFSD2A) transporter as a key mediator in the response to tunicamycin. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 11756-11765.	7.1	90
164	Genome-scale RNAi on living-cell microarrays identifies novel regulators of <i>Drosophila melanogaster</i> TORC1-S6K pathway signaling. Genome Research, 2011, 21, 433-446.	5.5	36
165	The mTOR-Regulated Phosphoproteome Reveals a Mechanism of mTORC1-Mediated Inhibition of Growth Factor Signaling. Science, 2011, 332, 1317-1322.	12.6	973
166	Science Signaling Podcast: 8 November 2011. Science Signaling, 2011, 4, .	3.6	0
167	mTOR and cancer: many loops in one pathway. Current Opinion in Cell Biology, 2010, 22, 169-176.	5.4	375
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