Robbie J Loewith

List of Publications by Year
in descending order

70 papers	17,643 citations	61984 43 h-index	98798 67 g-index
74 all docs	74 docs citations	74 times ranked	20919 citing authors

#	Article	IF	Citations
1	TOR Signaling in Growth and Metabolism. Cell, 2006, 124, 471-484.	28.9	5,202
2	Mammalian TOR complex 2 controls the actin cytoskeleton and is rapamycin insensitive. Nature Cell Biology, 2004, 6, 1122-1128.	10.3	1,873
3	Two TOR Complexes, Only One of which Is Rapamycin Sensitive, Have Distinct Roles in Cell Growth Control. Molecular Cell, 2002, 10, 457-468.	9.7	1,685
4	A Pharmacological Map of the PI3-K Family Defines a Role for p110Î± in Insulin Signaling. Cell, 2006, 125, 733-747.	28.9	1,074
5	Active-Site Inhibitors of mTOR Target Rapamycin-Resistant Outputs of mTORC1 and mTORC2. PLoS Biology, 2009, 7, e1000038.	5.6	973
6	Target of Rapamycin (TOR) in Nutrient Signaling and Growth Control. Genetics, 2011, 189, 1177-1201.	2.9	732
7	Sch9 Is a Major Target of TORC1 in Saccharomyces cerevisiae. Molecular Cell, 2007, 26, 663-674.	9.7	723
8	The Vam6 GEF Controls TORC1 by Activating the EGO Complex. Molecular Cell, 2009, 35, 563-573.	9.7	398
9	Characterization of the rapamycin-sensitive phosphoproteome reveals that Sch9 is a central coordinator of protein synthesis. Genes and Development, 2009, 23, 1929-1943.	5.9	306
10	Plasma membrane stress induces relocalization of Slm proteins and activation of TORC2 to promote sphingolipid synthesis. Nature Cell Biology, 2012, 14, 542-547.	10.3	303
11	Phosphoproteomic Analysis Reveals Interconnected System-Wide Responses to Perturbations of Kinases and Phosphatases in Yeast. Science Signaling, 2010, 3, rs4.	3.6	277
12	Cell growth control: little eukaryotes make big contributions. Oncogene, 2006, 25, 6392-6415.	5.9	223
13	Systematic analysis of complex genetic interactions. Science, 2018, 360, .	12.6	201
14	Tor2 Directly Phosphorylates the AGC Kinase Ypk2 To Regulate Actin Polarization. Molecular and Cellular Biology, 2005, 25, 7239-7248.	2.3	198
15	Molecular Organization of Target of Rapamycin Complex 2. Journal of Biological Chemistry, 2005, 280, 30697-30704.	3.4	197
16	Functional Interactions between Sphingolipids and Sterols in Biological Membranes Regulating Cell Physiology. Molecular Biology of the Cell, 2009, 20, 2083-2095.	2.1	196
17	The TOR signalling network from yeast to man. International Journal of Biochemistry and Cell Biology, 2006, 38, 1476-1481.	2.8	194
18	Caffeine extends yeast lifespan by targeting TORC1. Molecular Microbiology, 2008, 69, 277-285.	2.5	186

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19	TOR Complexes and the Maintenance of Cellular Homeostasis. Trends in Cell Biology, 2016, 26, 148-159.	7.9	173
20	TORC2 Structure and Function. Trends in Biochemical Sciences, 2016, 41, 532-545.	7.5	157
21	Sch9 regulates ribosome biogenesis via Stb3, Dot6 and Tod6 and the histone deacetylase complex RPD3L. EMBO Journal, 2011, 30, 3052-3064.	7.8	154
22	Sfp1 Interaction with TORC1 and Mrs6 Reveals Feedback Regulation on TOR Signaling. Molecular Cell, 2009, 33, 704-716.	9.7	144
23	Three Yeast Proteins Related to the Human Candidate Tumor Suppressor p33 ING1 Are Associated with Histone Acetyltransferase Activities. Molecular and Cellular Biology, 2000, 20, 3807-3816.	2.3	140
24	Genome-wide lethality screen identifies new PI4,5P2 effectors that regulate the actin cytoskeleton. EMBO Journal, 2004, 23, 3747-3757.	7.8	124
25	Molecular Basis of the Rapamycin Insensitivity of Target Of Rapamycin Complex 2. Molecular Cell, 2015, 58, 977-988.	9.7	120
26	Decrease in plasma membrane tension triggers PtdIns(4,5)P2 phase separation to inactivate TORC2. Nature Cell Biology, 2018, 20, 1043-1051.	10.3	114
27	TORC1 organized in inhibited domains (TOROIDs) regulate TORC1 activity. Nature, 2017, 550, 265-269.	27.8	100
28	Human ING1 Proteins Differentially Regulate Histone Acetylation. Journal of Biological Chemistry, 2002, 277, 29832-29839.	3.4	91
29	Tricalbin-Mediated Contact Sites Control ER Curvature to Maintain Plasma Membrane Integrity. Developmental Cell, 2019, 51, 476-487.e7.	7.0	87
30	TORC1 and TORC2 work together to regulate ribosomal protein S6 phosphorylation in<i>Saccharomyces cerevisiae</i>. Molecular Biology of the Cell, 2016, 27, 397-409.	2.1	82
31	Dual action antifungal small molecule modulates multidrug efflux and TOR signaling. Nature Chemical Biology, 2016, 12, 867-875.	8.0	79
32	Regulation of Cellular Metabolism through Phase Separation of Enzymes. Biomolecules, 2018, 8, 160.	4.0	74
33	Target of Rapamycin Complex 2 Regulates Actin Polarization and Endocytosis via Multiple Pathways. Journal of Biological Chemistry, 2015, 290, 14963-14978.	3.4	72
34	TORC2 Signaling Pathway Guarantees Genome Stability in the Face of DNA Strand Breaks. Molecular Cell, 2013, 51, 829-839.	9.7	71
35	Systematic lipidomic analysis of yeast protein kinase and phosphatase mutants reveals novel insights into regulation of lipid homeostasis. Molecular Biology of the Cell, 2014, 25, 3234-3246.	2.1	69
36	Roles for PI(3,5)P₂ in nutrient sensing through TORC1. Molecular Biology of the Cell, 2014, 25, 1171-1185.	2.1	68

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37	Passive coupling of membrane tension and cell volume during active response of cells to osmosis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	65
38	Mutual Antagonism of Target of Rapamycin and Calcineurin Signaling. Journal of Biological Chemistry, 2006, 281, 33000-33007.	3.4	64
39	Pho23 Is Associated with the Rpd3 Histone Deacetylase and Is Required for Its Normal Function in Regulation of Gene Expression and Silencing in Saccharomyces cerevisiae. Journal of Biological Chemistry, 2001, 276, 24068-24074.	3.4	62
40	The Aspartic Protease Ddi1 Contributes to DNA-Protein Crosslink Repair in Yeast. Molecular Cell, 2020, 77, 1066-1079.e9.	9.7	58
41	A pathway of targeted autophagy is induced by DNA damage in budding yeast. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E1158-E1167.	7.1	52
42	Mammalian CAP interacts with CAP, CAP2, and actin. Journal of Cellular Biochemistry, 1996, 61, 459-466.	2.6	46
43	Cryo-EM structure of Saccharomyces cerevisiae target of rapamycin complex 2. Nature Communications, 2017, 8, 1729.	12.8	46
44	TORC2 controls endocytosis through plasma membrane tension. Journal of Cell Biology, 2019, 218, 2265-2276.	5.2	44
45	Arsenic Toxicity to <i>Saccharomyces cerevisiae</i> Is a Consequence of Inhibition of the TORC1 Kinase Combined with a Chronic Stress Response. Molecular Biology of the Cell, 2009, 20, 1048-1057.	2.1	34
46	A brief history of TOR. Biochemical Society Transactions, 2011, 39, 437-442.	3.4	31
47	Mitochondrial Genomic Dysfunction Causes Dephosphorylation of Sch9 in the Yeast Saccharomyces cerevisiae. Eukaryotic Cell, 2011, 10, 1367-1369.	3.4	29
48	The flipside of the TOR coin â€“ TORC2 and plasma membrane homeostasis at a glance. Journal of Cell Science, 2020, 133, .	2.0	29
49	Structural Insights into TOR Signaling. Genes, 2020, 11, 885.	2.4	28
50	A Signaling Lipid Associated with Alzheimerâ€™s Disease Promotes Mitochondrial Dysfunction. Scientific Reports, 2016, 6, 19332.	3.3	25
51	Target of rapamycin complex 2â€“dependent phosphorylation of the coat protein Pan1 by Akl1 controls endocytosis dynamics in Saccharomyces cerevisiae. Journal of Biological Chemistry, 2018, 293, 12043-12053.	3.4	23
52	Identification of a Small Molecule Yeast TORC1 Inhibitor with a Multiplex Screen Based on Flow Cytometry. ACS Chemical Biology, 2012, 7, 715-722.	3.4	22
53	Chemical Genetics of AGC-kinases Reveals Shared Targets of Ypk1, Protein Kinase A and Sch9. Molecular and Cellular Proteomics, 2020, 19, 655-671.	3.8	16
54	TORC1 Signaling in Budding Yeast. The Enzymes, 2010, , 147-175.	1.7	14

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55	Sphingolipids and membrane targets for therapeutics. Current Opinion in Chemical Biology, 2019, 50, 19-28.	6.1	14
56	Reciprocal Regulation of Target of Rapamycin Complex 1 and Potassium Accumulation. Journal of Biological Chemistry, 2017, 292, 563-574.	3.4	11
57	TOR complex 2 (TORC2) signaling and the ESCRT machinery cooperate in the protection of plasma membrane integrity in yeast. Journal of Biological Chemistry, 2020, 295, 12028-12044.	3.4	11
58	Identification of a Covalent Importin-5 Inhibitor, Goyazensolide, from a Collective Synthesis of Furanoheliangolides. ACS Central Science, 2021, 7, 954-962.	11.3	11
59	Flipper Probes for the Community. Chimia, 2021, 75, 1004.	0.6	9
60	Amino Acid Signaling in High Definition. Structure, 2012, 20, 1993-1994.	3.3	7
61	Tensing Up for Lipid Droplet Formation. Developmental Cell, 2017, 41, 571-572.	7.0	7
62	TOR Signaling Is Going through a Phase. Cell Metabolism, 2019, 29, 1019-1021.	16.2	7
63	A Convenient Preparation of (Â±)-Î±-Methoxy-Î±-trifluoromethylphenylacetic Acid (Mosher's Acid). Synthetic Communications, 1993, 23, 2145-2150.	2.1	4
64	A Neurotoxic Glycerophosphocholine Impacts PtdIns-4, 5-Bisphosphate and TORC2 Signaling by Altering Ceramide Biosynthesis in Yeast. PLoS Genetics, 2014, 10, e1004010.	3.5	4
65	Chemical Biology Approaches to Membrane Homeostasis and Function. Chimia, 2011, 65, 849-852.	0.6	3
66	Phosphoproteomic Effects of Acute Depletion of PP2A Regulatory Subunit Cdc55. Proteomics, 2021, 21, e2000166.	2.2	3
67	Growth Control: Function Follows Form. Current Biology, 2013, 23, R607-R609.	3.9	2
68	Chemical-Biology-derived in vivo Sensors: Past, Present, and Future. Chimia, 2021, 75, 1017.	0.6	1
69	TOR Signalling. , 2008, , 1212-1217.		0
70	Resolving the Communication GAPs Upstream of TORC1. Developmental Cell, 2020, 55, 253-254.	7.0	0