Robbie J Loewith

List of Publications by Year
in descending order

70	17,643	61984 43	98798 67
papers	citations	h-index	g-index

74	74	74	20919
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Phosphoproteomic Effects of Acute Depletion of PP2A Regulatory Subunit Cdc55. Proteomics, 2021, 21, e2000166.	2.2	3
2	Identification of a Covalent Importin-5 Inhibitor, Goyazensolide, from a Collective Synthesis of Furanoheliangolides. ACS Central Science, 2021, 7, 954-962.	11.3	11
3	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
4	Flipper Probes for the Community. Chimia, 2021, 75, 1004.	0.6	9
5	Chemical-Biology-derived in vivo Sensors: Past, Present, and Future. Chimia, 2021, 75, 1017.	0.6	1
6	The Aspartic Protease Ddi1 Contributes to DNA-Protein Crosslink Repair in Yeast. Molecular Cell, 2020, 77, 1066-1079.e9.	9.7	58
7	Structural Insights into TOR Signaling. Genes, 2020, 11, 885.	2.4	28
8	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
9	Resolving the Communication GAPs Upstream of TORC1. Developmental Cell, 2020, 55, 253-254.	7.0	0
10	The flipside of the TOR coin â€“ TORC2 and plasma membrane homeostasis at a glance. Journal of Cell Science, 2020, 133, .	2.0	29
11	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
12	TORC2 controls endocytosis through plasma membrane tension. Journal of Cell Biology, 2019, 218, 2265-2276.	5.2	44
13	TOR Signaling Is Going through a Phase. Cell Metabolism, 2019, 29, 1019-1021.	16.2	7
14	Sphingolipids and membrane targets for therapeutics. Current Opinion in Chemical Biology, 2019, 50, 19-28.	6.1	14
15	Tricalbin-Mediated Contact Sites Control ER Curvature to Maintain Plasma Membrane Integrity. Developmental Cell, 2019, 51, 476-487.e7.	7.0	87
16	Systematic analysis of complex genetic interactions. Science, 2018, 360, .	12.6	201
17	Regulation of Cellular Metabolism through Phase Separation of Enzymes. Biomolecules, 2018, 8, 160.	4.0	74
18	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

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19	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
20	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
21	Reciprocal Regulation of Target of Rapamycin Complex 1 and Potassium Accumulation. Journal of Biological Chemistry, 2017, 292, 563-574.	3.4	11
22	Tensing Up for Lipid Droplet Formation. Developmental Cell, 2017, 41, 571-572.	7.0	7
23	TORC1 organized in inhibited domains (TOROIDs) regulate TORC1 activity. Nature, 2017, 550, 265-269.	27.8	100
24	Cryo-EM structure of Saccharomyces cerevisiae target of rapamycin complex 2. Nature Communications, 2017, 8, 1729.	12.8	46
25	A Signaling Lipid Associated with Alzheimerâ€™s Disease Promotes Mitochondrial Dysfunction. Scientific Reports, 2016, 6, 19332.	3.3	25
26	TORC2 Structure and Function. Trends in Biochemical Sciences, 2016, 41, 532-545.	7.5	157
27	Dual action antifungal small molecule modulates multidrug efflux and TOR signaling. Nature Chemical Biology, 2016, 12, 867-875.	8.0	79
28	TOR Complexes and the Maintenance of Cellular Homeostasis. Trends in Cell Biology, 2016, 26, 148-159.	7.9	173
29	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
30	Target of Rapamycin Complex 2 Regulates Actin Polarization and Endocytosis via Multiple Pathways. Journal of Biological Chemistry, 2015, 290, 14963-14978.	3.4	72
31	Molecular Basis of the Rapamycin Insensitivity of Target Of Rapamycin Complex 2. Molecular Cell, 2015, 58, 977-988.	9.7	120
32	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
33	Roles for PI(3,5)P₂ in nutrient sensing through TORC1. Molecular Biology of the Cell, 2014, 25, 1171-1185.	2.1	68
34	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
35	Growth Control: Function Follows Form. Current Biology, 2013, 23, R607-R609.	3.9	2
36	TORC2 Signaling Pathway Guarantees Genome Stability in the Face of DNA Strand Breaks. Molecular Cell, 2013, 51, 829-839.	9.7	71

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37	Amino Acid Signaling in High Definition. Structure, 2012, 20, 1993-1994.	3.3	7
38	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
39	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
40	Chemical Biology Approaches to Membrane Homeostasis and Function. Chimia, 2011, 65, 849-852.	0.6	3
41	A brief history of TOR. Biochemical Society Transactions, 2011, 39, 437-442.	3.4	31
42	Target of Rapamycin (TOR) in Nutrient Signaling and Growth Control. Genetics, 2011, 189, 1177-1201.	2.9	732
43	Mitochondrial Genomic Dysfunction Causes Dephosphorylation of Sch9 in the Yeast Saccharomyces cerevisiae. Eukaryotic Cell, 2011, 10, 1367-1369.	3.4	29
44	Sch9 regulates ribosome biogenesis via Stb3, Dot6 and Tod6 and the histone deacetylase complex RPD3L. EMBO Journal, 2011, 30, 3052-3064.	7.8	154
45	Phosphoproteomic Analysis Reveals Interconnected System-Wide Responses to Perturbations of Kinases and Phosphatases in Yeast. Science Signaling, 2010, 3, rs4.	3.6	277
46	TORC1 Signaling in Budding Yeast. The Enzymes, 2010, , 147-175.	1.7	14
47	Active-Site Inhibitors of mTOR Target Rapamycin-Resistant Outputs of mTORC1 and mTORC2. PLoS Biology, 2009, 7, e1000038.	5.6	973
48	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
49	Functional Interactions between Sphingolipids and Sterols in Biological Membranes Regulating Cell Physiology. Molecular Biology of the Cell, 2009, 20, 2083-2095.	2.1	196
50	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
51	Sfp1 Interaction with TORC1 and Mrs6 Reveals Feedback Regulation on TOR Signaling. Molecular Cell, 2009, 33, 704-716.	9.7	144
52	The Vam6 GEF Controls TORC1 by Activating the EGO Complex. Molecular Cell, 2009, 35, 563-573.	9.7	398
53	Caffeine extends yeast lifespan by targeting TORC1. Molecular Microbiology, 2008, 69, 277-285.	2.5	186
54	TOR Signalling. , 2008, , 1212-1217.		0

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55	Sch9 Is a Major Target of TORC1 in Saccharomyces cerevisiae. Molecular Cell, 2007, 26, 663-674.	9.7	723
56	TOR Signaling in Growth and Metabolism. Cell, 2006, 124, 471-484.	28.9	5,202
57	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
58	The TOR signalling network from yeast to man. International Journal of Biochemistry and Cell Biology, 2006, 38, 1476-1481.	2.8	194
59	Cell growth control: little eukaryotes make big contributions. Oncogene, 2006, 25, 6392-6415.	5.9	223
60	Mutual Antagonism of Target of Rapamycin and Calcineurin Signaling. Journal of Biological Chemistry, 2006, 281, 33000-33007.	3.4	64
61	Molecular Organization of Target of Rapamycin Complex 2. Journal of Biological Chemistry, 2005, 280, 30697-30704.	3.4	197
62	Tor2 Directly Phosphorylates the AGC Kinase Ypk2 To Regulate Actin Polarization. Molecular and Cellular Biology, 2005, 25, 7239-7248.	2.3	198
63	Mammalian TOR complex 2 controls the actin cytoskeleton and is rapamycin insensitive. Nature Cell Biology, 2004, 6, 1122-1128.	10.3	1,873
64	Genome-wide lethality screen identifies new PI4,5P2 effectors that regulate the actin cytoskeleton. EMBO Journal, 2004, 23, 3747-3757.	7.8	124
65	Human ING1 Proteins Differentially Regulate Histone Acetylation. Journal of Biological Chemistry, 2002, 277, 29832-29839.	3.4	91
66	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
67	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
68	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
69	Mammalian CAP interacts with CAP, CAP2, and actin. Journal of Cellular Biochemistry, 1996, 61, 459-466.	2.6	46
70	A Convenient Preparation of (Â±)-Î±-Methoxy-Î±-trifluoromethylphenylacetic Acid (Mosher's Acid). Synthetic Communications, 1993, 23, 2145-2150.	2.1	4