

Jeremy Thorner

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24,219
ext. citations

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L-index

#	Paper	IF	Citations
178	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
177	Model systems for the study of seven-transmembrane-segment receptors. <i>Annual Review of Biochemistry</i> , 1991 , 60, 653-88	29.1	1260
176	Isolation of the putative structural gene for the lysine-arginine-cleaving endopeptidase required for processing of yeast prepro-alpha-factor. <i>Cell</i> , 1984 , 37, 1075-89	56.2	697
175	Genetic and pharmacological suppression of oncogenic mutations in ras genes of yeast and humans. <i>Science</i> , 1989 , 245, 379-85	33.3	518
174	Function and regulation in MAPK signaling pathways: lessons learned from the yeast <i>Saccharomyces cerevisiae</i> . <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2007 , 1773, 1311-40	4.9	428
173	Glycosylation and processing of prepro-alpha-factor through the yeast secretory pathway. <i>Cell</i> , 1984 , 36, 309-18	56.2	424
172	RGS proteins and signaling by heterotrimeric G proteins. <i>Journal of Biological Chemistry</i> , 1997 , 272, 3871-4	54	416
171	A candidate protein kinase C gene, PKC1, is required for the <i>S. cerevisiae</i> cell cycle. <i>Cell</i> , 1990 , 62, 213-24	56.2	410
170	Yeast alpha factor is processed from a larger precursor polypeptide: the essential role of a membrane-bound dipeptidyl aminopeptidase. <i>Cell</i> , 1983 , 32, 839-52	56.2	393
169	Isolation of the yeast calmodulin gene: calmodulin is an essential protein. <i>Cell</i> , 1986 , 47, 423-31	56.2	389
168	Intracellular targeting and structural conservation of a prohormone-processing endoprotease. <i>Science</i> , 1989 , 246, 482-6	33.3	387
167	Human fur gene encodes a yeast KEX2-like endoprotease that cleaves pro-beta-NGF in vivo. <i>Journal of Cell Biology</i> , 1990 , 111, 2851-9	7.3	367
166	Yeast prohormone processing enzyme (KEX2 gene product) is a Ca ²⁺ -dependent serine protease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1989 , 86, 1434-8	11.5	363
165	Regulation of G protein-initiated signal transduction in yeast: paradigms and principles. <i>Annual Review of Biochemistry</i> , 2001 , 70, 703-54	29.1	362
164	Protein splicing elements: inteins and exteins--a definition of terms and recommended nomenclature. <i>Nucleic Acids Research</i> , 1994 , 22, 1125-7	20.1	312
163	The carboxy-terminal segment of the yeast alpha-factor receptor is a regulatory domain. <i>Cell</i> , 1988 , 55, 221-34	56.2	312
162	A putative protein kinase overcomes pheromone-induced arrest of cell cycling in <i>S. cerevisiae</i> . <i>Cell</i> , 1989 , 58, 1107-19	56.2	288

161	Yeast has homologs (CNA1 and CNA2 gene products) of mammalian calcineurin, a calmodulin-regulated phosphoprotein phosphatase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991 , 88, 7376-80	11.5	276
160	Mot1, a global repressor of RNA polymerase II transcription, inhibits TBP binding to DNA by an ATP-dependent mechanism. <i>Genes and Development</i> , 1994 , 8, 1920-34	12.6	269
159	Homing of a DNA endonuclease gene by meiotic gene conversion in <i>Saccharomyces cerevisiae</i> . <i>Nature</i> , 1992 , 357, 301-6	50.4	267
158	Direct involvement of phosphatidylinositol 4-phosphate in secretion in the yeast <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 1999 , 274, 34294-300	5.4	238
157	Inhibitory and activating functions for MAPK Kss1 in the <i>S. cerevisiae</i> filamentous-growth signalling pathway. <i>Nature</i> , 1997 , 390, 85-8	50.4	228
156	Functional counterparts of mammalian protein kinases PDK1 and SGK in budding yeast. <i>Current Biology</i> , 1999 , 9, 186-97	6.3	228
155	<i>Saccharomyces cerevisiae</i> septins: supramolecular organization of heterooligomers and the mechanism of filament assembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 8274-9	11.5	222
154	Activation of the DEXD/H-box protein Dbp5 by the nuclear-pore protein Gle1 and its coactivator InsP6 is required for mRNA export. <i>Nature Cell Biology</i> , 2006 , 8, 668-76	23.4	222
153	Yeast homologue of neuronal frequenin is a regulator of phosphatidylinositol-4-OH kinase. <i>Nature Cell Biology</i> , 1999 , 1, 234-41	23.4	220
152	Control of yeast mating signal transduction by a mammalian beta 2-adrenergic receptor and Gs alpha subunit. <i>Science</i> , 1990 , 250, 121-3	33.3	219
151	Protein kinase Ypk1 phosphorylates regulatory proteins Orm1 and Orm2 to control sphingolipid homeostasis in <i>Saccharomyces cerevisiae</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 19222-7	11.5	215
150	Synthesis and function of membrane phosphoinositides in budding yeast, <i>Saccharomyces cerevisiae</i> . <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2007 , 1771, 353-404	5	209
149	Septin collar formation in budding yeast requires GTP binding and direct phosphorylation by the PAK, Cla4. <i>Journal of Cell Biology</i> , 2004 , 164, 701-15	7.3	204
148	Phosphatidylinositol 4-kinase: gene structure and requirement for yeast cell viability. <i>Science</i> , 1993 , 262, 1444-8	33.3	192
147	An MF alpha 1-SUC2 (alpha-factor-invertase) gene fusion for study of protein localization and gene expression in yeast. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1983 , 80, 7080-4	11.5	192
146	Cell interactions and regulation of cell type in the yeast <i>Saccharomyces cerevisiae</i> . <i>Annual Review of Microbiology</i> , 1983 , 37, 623-60	17.5	185
145	Recovery of <i>S. cerevisiae</i> a cells from G1 arrest by alpha factor pheromone requires endopeptidase action. <i>Cell</i> , 1979 , 18, 623-35	56.2	183
144	Yeast KEX2 endopeptidase correctly cleaves a neuroendocrine prohormone in mammalian cells. <i>Science</i> , 1988 , 241, 226-30	33.3	181

143	Two novel targets of the MAP kinase Kss1 are negative regulators of invasive growth in the yeast <i>Saccharomyces cerevisiae</i> . <i>Genes and Development</i> , 1996 , 10, 2831-48	12.6	177
142	Some assembly required: yeast septins provide the instruction manual. <i>Trends in Cell Biology</i> , 2005 , 15, 414-24	18.3	170
141	Hsl7 localizes to a septin ring and serves as an adapter in a regulatory pathway that relieves tyrosine phosphorylation of Cdc28 protein kinase in <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , 1999 , 19, 7123-37	4.8	164
140	Phosphatidylinositol-4,5-bisphosphate promotes budding yeast septin filament assembly and organization. <i>Journal of Molecular Biology</i> , 2010 , 404, 711-31	6.5	163
139	Ste5 RING-H2 domain: role in Ste4-promoted oligomerization for yeast pheromone signaling. <i>Science</i> , 1997 , 278, 103-6	33.3	159
138	DEP-domain-mediated regulation of GPCR signaling responses. <i>Cell</i> , 2006 , 126, 1079-93	56.2	146
137	Signal propagation and regulation in the mating pheromone response pathway of the yeast <i>Saccharomyces cerevisiae</i> . <i>Developmental Biology</i> , 1994 , 166, 363-79	3.1	143
136	A conserved docking site in MEKs mediates high-affinity binding to MAP kinases and cooperates with a scaffold protein to enhance signal transmission. <i>Journal of Biological Chemistry</i> , 2001 , 276, 10374-88	5.4	141
135	Repression of yeast Ste12 transcription factor by direct binding of unphosphorylated Kss1 MAPK and its regulation by the Ste7 MEK. <i>Genes and Development</i> , 1998 , 12, 2887-98	12.6	141
134	Pkh1 and Pkh2 differentially phosphorylate and activate Ypk1 and Ykr2 and define protein kinase modules required for maintenance of cell wall integrity. <i>Molecular Biology of the Cell</i> , 2002 , 13, 3005-28	3.5	137
133	A protein kinase network regulates the function of aminophospholipid flippases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 34-9	11.5	129
132	Stress resistance and signal fidelity independent of nuclear MAPK function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 12212-7	11.5	127
131	Subunit-dependent modulation of septin assembly: budding yeast septin Shs1 promotes ring and gauze formation. <i>Journal of Cell Biology</i> , 2011 , 195, 993-1004	7.3	123
130	Differential regulation of transcription: repression by unactivated mitogen-activated protein kinase Kss1 requires the Dig1 and Dig2 proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 15400-5	11.5	121
129	Protein-protein interactions governing septin heteropentamer assembly and septin filament organization in <i>Saccharomyces cerevisiae</i> . <i>Molecular Biology of the Cell</i> , 2004 , 15, 4568-83	3.5	119
128	When the stress of your environment makes you go HOG wild. <i>Science</i> , 2004 , 306, 1511-2	33.3	118
127	Putting it on and taking it off: phosphoprotein phosphatase involvement in cell cycle regulation. <i>Cell</i> , 1989 , 57, 891-3	56.2	118
126	Yeast mating pheromone activates mammalian gonadotrophs: evolutionary conservation of a reproductive hormone?. <i>Science</i> , 1982 , 218, 1323-5	33.3	112

125	Septin filament formation is essential in budding yeast. <i>Developmental Cell</i> , 2011 , 20, 540-9	10.2	111
124	Coupling morphogenesis to mitotic entry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 4124-9	11.5	110
123	Structure and calcium-binding properties of Frq1, a novel calcium sensor in the yeast <i>Saccharomyces cerevisiae</i> . <i>Biochemistry</i> , 2000 , 39, 12149-61	3.2	108
122	TORC2-dependent protein kinase Ypk1 phosphorylates ceramide synthase to stimulate synthesis of complex sphingolipids. <i>ELife</i> , 2014 , 3,	8.9	105
121	Beta and gamma subunits of a yeast guanine nucleotide-binding protein are not essential for membrane association of the alpha subunit but are required for receptor coupling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990 , 87, 4363-7	11.5	104
120	Yeast phosphatidylinositol 4-kinase, Pik1, has essential roles at the Golgi and in the nucleus. <i>Journal of Cell Biology</i> , 2005 , 171, 967-79	7.3	103
119	Identification and characterization of an essential family of inositol polyphosphate 5-phosphatases (INP51, INP52 and INP53 gene products) in the yeast <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 1998 , 148, 1715-29	4.29	103
118	Septins: molecular partitioning and the generation of cellular asymmetry. <i>Cell Division</i> , 2009 , 4, 18	2.8	102
117	The a-factor transporter (STE6 gene product) and cell polarity in the yeast <i>Saccharomyces cerevisiae</i> . <i>Journal of Cell Biology</i> , 1993 , 120, 1203-15	7.3	99
116	Differential roles of PDK1- and PDK2-phosphorylation sites in the yeast AGC kinases Ypk1, Pkc1 and Sch9. <i>Microbiology (United Kingdom)</i> , 2004 , 150, 3289-304	2.9	89
115	Functional expression of human mdr1 in the yeast <i>Saccharomyces cerevisiae</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992 , 89, 2302-6	11.5	89
114	Thymidine 5Smonophosphate-requiring mutants of <i>Saccharomyces cerevisiae</i> are deficient in thymidylate synthetase. <i>Journal of Bacteriology</i> , 1977 , 132, 44-50	3.5	86
113	Casein kinase II catalyzes tyrosine phosphorylation of the yeast nucleolar immunophilin Fpr3. <i>Journal of Biological Chemistry</i> , 1997 , 272, 12961-7	5.4	82
112	Receptor-G protein signaling in yeast. <i>Annual Review of Physiology</i> , 1991 , 53, 37-57	23.1	82
111	Cell-cell recognition in <i>Saccharomyces cerevisiae</i> : regulation of mating-specific adhesion. <i>Journal of Bacteriology</i> , 1978 , 134, 893-901	3.5	79
110	Membrane-protein binding measured with solution-phase plasmonic nanocube sensors. <i>Nature Methods</i> , 2012 , 9, 1189-91	21.6	78
109	Reciprocal phosphorylation of yeast glycerol-3-phosphate dehydrogenases in adaptation to distinct types of stress. <i>Molecular and Cellular Biology</i> , 2012 , 32, 4705-17	4.8	78
108	Mutational analysis of STE5 in the yeast <i>Saccharomyces cerevisiae</i> : application of a differential interaction trap assay for examining protein-protein interactions. <i>Genetics</i> , 1997 , 147, 479-92	4	78

107	Three-dimensional ultrastructure of the septin filament network in <i>Saccharomyces cerevisiae</i> . <i>Molecular Biology of the Cell</i> , 2012 , 23, 423-32	3.5	77
106	Expression and purification of the <i>Saccharomyces cerevisiae</i> alpha-factor receptor (Ste2p), a 7-transmembrane-segment G protein-coupled receptor. <i>Journal of Biological Chemistry</i> , 1997 , 272, 15553-61	5.4	77
105	Dynamic localization of the Swe1 regulator Hsl7 during the <i>Saccharomyces cerevisiae</i> cell cycle. <i>Molecular Biology of the Cell</i> , 2001 , 12, 1645-69	3.5	75
104	Vertebrate and yeast calmodulin, despite significant sequence divergence, are functionally interchangeable. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1989 , 86, 7909-13	11.5	75
103	A novel FK506- and rapamycin-binding protein (FPR3 gene product) in the yeast <i>Saccharomyces</i> <i>cerevisiae</i> is a proline rotamase localized to the nucleolus. <i>Journal of Cell Biology</i> , 1994 , 127, 623-39	7.3	74
102	Specific Arrestins negatively regulate <i>Saccharomyces cerevisiae</i> pheromone response by down-modulating the G-protein-coupled receptor Ste2. <i>Molecular and Cellular Biology</i> , 2014 , 34, 2660-81	4.8	73
101	Reconstitution of the mammalian PI3K/PTEN/Akt pathway in yeast. <i>Biochemical Journal</i> , 2005 , 390, 613-23	3.3	72
100	Pheromone-induced anisotropy in yeast plasma membrane phosphatidylinositol-4,5-bisphosphate distribution is required for MAPK signaling. <i>Proceedings of the National Academy of Sciences of the</i> <i>United States of America</i> , 2010 , 107, 11805-10	11.5	70
99	The kindest cuts of all: crystal structures of Kex2 and furin reveal secrets of precursor processing. <i>Trends in Biochemical Sciences</i> , 2004 , 29, 80-7	10.3	69
98	The PAL1 gene product is a peroxisomal ATP-binding cassette transporter in the yeast <i>Saccharomyces cerevisiae</i> . <i>Journal of Cell Biology</i> , 1996 , 132, 549-63	7.3	67
97	Heterotrimeric G Protein-coupled Receptor Signaling in Yeast Mating Pheromone Response. <i>Journal of Biological Chemistry</i> , 2016 , 291, 7788-95	5.4	66
96	Yeast mating pheromone alpha factor inhibits adenylate cyclase. <i>Proceedings of the National</i> <i>Academy of Sciences of the United States of America</i> , 1980 , 77, 1898-902	11.5	65
95	The RA domain of Ste50 adaptor protein is required for delivery of Ste11 to the plasma membrane in the filamentous growth signaling pathway of the yeast <i>Saccharomyces cerevisiae</i> . <i>Molecular and</i> <i>Cellular Biology</i> , 2006 , 26, 912-28	4.8	64
94	Secretion of peptides and proteins lacking hydrophobic signal sequences: the role of adenosine triphosphate-driven membrane translocators. <i>Endocrine Reviews</i> , 1992 , 13, 499-514	27.2	60
93	Identification of tubulin from the yeast <i>Saccharomyces cerevisiae</i> . <i>Proceedings of the National</i> <i>Academy of Sciences of the United States of America</i> , 1978 , 75, 4962-6	11.5	60
92	Protein-tyrosine kinase activity in <i>Saccharomyces cerevisiae</i> . <i>Science</i> , 1986 , 231, 390-3	33.3	59
91	Septin stability and recycling during dynamic structural transitions in cell division and development. <i>Current Biology</i> , 2008 , 18, 1203-8	6.3	58
90	Analysis of mitogen-activated protein kinase signaling specificity in response to hyperosmotic stress: use of an analog-sensitive HOG1 allele. <i>Eukaryotic Cell</i> , 2006 , 5, 1215-28		58

89	Roles of phosphoinositides and of Spo14p (phospholipase D)-generated phosphatidic acid during yeast sporulation. <i>Molecular Biology of the Cell</i> , 2004 , 15, 207-18	3.5	54
88	Pheromone action regulates G-protein alpha-subunit myristoylation in the yeast <i>Saccharomyces cerevisiae</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993 , 90, 9688-92	11.5	54
87	Solid phase peptide synthesis of alpha-factor, a yeast mating pheromone. <i>Biochemical and Biophysical Research Communications</i> , 1977 , 78, 952-61	3.4	53
86	Structural insights into activation of phosphatidylinositol 4-kinase (Pik1) by yeast frequenin (Frq1). <i>Journal of Biological Chemistry</i> , 2007 , 282, 30949-59	5.4	52
85	Nucleotidylation, not phosphorylation, is the major source of the phosphotyrosine detected in enteric bacteria. <i>Journal of Bacteriology</i> , 1989 , 171, 272-9	3.5	51
84	Mutational analysis suggests that activation of the yeast pheromone response mitogen-activated protein kinase pathway involves conformational changes in the Ste5 scaffold protein. <i>Molecular Biology of the Cell</i> , 2000 , 11, 4033-49	3.5	49
83	2-Deoxyglucose impairs <i>Saccharomyces cerevisiae</i> growth by stimulating Snf1-regulated and Ærrestin-mediated trafficking of hexose transporters 1 and 3. <i>Molecular and Cellular Biology</i> , 2015 , 35, 939-55	4.8	48
82	Function of the MAPK scaffold protein, Ste5, requires a cryptic PH domain. <i>Genes and Development</i> , 2006 , 20, 1946-58	12.6	47
81	Molecular cloning of hormone-responsive genes from the yeast <i>Saccharomyces cerevisiae</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1984 , 81, 1144-8	11.5	47
80	Direct phosphorylation and activation of a Nim1-related kinase Gin4 by Elm1 in budding yeast. <i>Journal of Biological Chemistry</i> , 2006 , 281, 27090-8	5.4	45
79	An essential function of a phosphoinositide-specific phospholipase C is relieved by inhibition of a cyclin-dependent protein kinase in the yeast <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 1998 , 148, 33-47	4	44
78	A calcineurin-dependent switch controls the trafficking function of Ærrestin Aly1/Art6. <i>Journal of Biological Chemistry</i> , 2013 , 288, 24063-80	5.4	43
77	Structure of a Ca ²⁺ -myristoyl switch protein that controls activation of a phosphatidylinositol 4-kinase in fission yeast. <i>Journal of Biological Chemistry</i> , 2011 , 286, 12565-77	5.4	42
76	The TORC2-Dependent Signaling Network in the Yeast <i>Saccharomyces cerevisiae</i> . <i>Biomolecules</i> , 2017 , 7,	5.9	41
75	Single-cell analysis reveals that insulation maintains signaling specificity between two yeast MAPK pathways with common components. <i>Science Signaling</i> , 2010 , 3, ra75	8.8	41
74	Molecular interactions of yeast frequenin (Frq1) with the phosphatidylinositol 4-kinase isoform, Pik1. <i>Journal of Biological Chemistry</i> , 2003 , 278, 4862-74	5.4	39
73	Identification and characterization of the CLK1 gene product, a novel CaM kinase-like protein kinase from the yeast <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 1996 , 271, 29958-68	5.4	39
72	Conservation of regulatory function in calcium-binding proteins: human frequenin (neuronal calcium sensor-1) associates productively with yeast phosphatidylinositol 4-kinase isoform, Pik1. <i>Journal of Biological Chemistry</i> , 2003 , 278, 49589-99	5.4	38

71	VDE endonuclease cleaves <i>Saccharomyces cerevisiae</i> genomic DNA at a single site: physical mapping of the VMA1 gene. <i>Nucleic Acids Research</i> , 1992 , 20, 5484	20.1	38
70	Membrane translocation of proteins without hydrophobic signal peptides. <i>Current Opinion in Cell Biology</i> , 1990 , 2, 617-24	9	37
69	Complete nucleotide sequence of the gene encoding the regulatory subunit of 3 β 5 β cyclic AMP-dependent protein kinase from the yeast <i>Saccharomyces cerevisiae</i> . <i>Nucleic Acids Research</i> , 1987 , 15, 368-9	20.1	37
68	Regulation of Ste7 ubiquitination by Ste11 phosphorylation and the Skp1-Cullin-F-box complex. <i>Journal of Biological Chemistry</i> , 2003 , 278, 22284-9	5.4	36
67	ABC transporter Pdr10 regulates the membrane microenvironment of Pdr12 in <i>Saccharomyces cerevisiae</i> . <i>Journal of Membrane Biology</i> , 2009 , 229, 27-52	2.3	35
66	Membrane-active compounds activate the transcription factors Pdr1 and Pdr3 connecting pleiotropic drug resistance and membrane lipid homeostasis in <i>saccharomyces cerevisiae</i> . <i>Molecular Biology of the Cell</i> , 2007 , 18, 4932-44	3.5	35
65	Comprehensive Genetic Analysis of Paralogous Terminal Septin Subunits Shs1 and Cdc11 in <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 2015 , 200, 821-41	4	34
64	Nucleus-specific and cell cycle-regulated degradation of mitogen-activated protein kinase scaffold protein Ste5 contributes to the control of signaling competence. <i>Molecular and Cellular Biology</i> , 2009 , 29, 582-601	4.8	33
63	The Carboxy-Terminal Tails of Septins Cdc11 and Shs1 Recruit Myosin-II Binding Factor Bni5 to the Bud Neck in <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 2015 , 200, 843-62	4	32
62	An essential role for cyclic AMP in growth control: the case for yeast. <i>Cell</i> , 1982 , 30, 5-6	56.2	32
61	Down-regulation of TORC2-Ypk1 signaling promotes MAPK-independent survival under hyperosmotic stress. <i>ELife</i> , 2015 , 4,	8.9	32
60	Sphingolipid biosynthesis upregulation by TOR complex 2-Ypk1 signaling during yeast adaptive response to acetic acid stress. <i>Biochemical Journal</i> , 2016 , 473, 4311-4325	3.8	29
59	Reuse, replace, recycle. Specificity in subunit inheritance and assembly of higher-order septin structures during mitotic and meiotic division in budding yeast. <i>Cell Cycle</i> , 2009 , 8, 195-203	4.7	28
58	High affinity interaction of yeast transcriptional regulator, Mot1, with TATA box-binding protein (TBP). <i>Journal of Biological Chemistry</i> , 2001 , 276, 11883-94	5.4	28
57	A Förster Resonance Energy Transfer (FRET)-based System Provides Insight into the Ordered Assembly of Yeast Septin Hetero-octamers. <i>Journal of Biological Chemistry</i> , 2015 , 290, 28388-28401	5.4	27
56	Differential Phosphorylation Provides a Switch to Control How β Arrestin Rod1 Down-regulates Mating Pheromone Response in <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 2016 , 203, 299-317	4	27
55	Purification and enzymic properties of Mot1 ATPase, a regulator of basal transcription in the yeast <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2000 , 275, 21158-68	5.4	27
54	Protein kinase Gin4 negatively regulates flippase function and controls plasma membrane asymmetry. <i>Journal of Cell Biology</i> , 2015 , 208, 299-311	7.3	26

53	Arrestins participate in cargo selection for both clathrin-independent and clathrin-mediated endocytosis. <i>Journal of Cell Science</i> , 2015 , 128, 4220-34	5.3	24
52	Mutations in the YRB1 gene encoding yeast ran-binding-protein-1 that impair nucleocytoplasmic transport and suppress yeast mating defects. <i>Genetics</i> , 2001 , 157, 1089-105	4	24
51	Detection of protein-protein interactions at the septin collar in <i>Saccharomyces cerevisiae</i> using a tripartite split-GFP system. <i>Molecular Biology of the Cell</i> , 2016 , 27, 2708-25	3.5	23
50	Overexpression of the yeast MCK1 protein kinase suppresses conditional mutations in centromere-binding protein genes CBF2 and CBF5. <i>Molecular Genetics and Genomics</i> , 1995 , 246, 360-6		23
49	Direct and novel regulation of cAMP-dependent protein kinase by Mck1p, a yeast glycogen synthase kinase-3. <i>Journal of Biological Chemistry</i> , 2002 , 277, 16814-22	5.4	22
48	TOR complex 2-regulated protein kinase Ypk1 controls sterol distribution by inhibiting StArkin domain-containing proteins located at plasma membrane-endoplasmic reticulum contact sites. <i>Molecular Biology of the Cell</i> , 2018 , 29, 2128-2136	3.5	21
47	Jekyll and Hyde in the microbial world. <i>Science</i> , 2004 , 306, 1509-11	33.3	21
46	Mck1, a member of the glycogen synthase kinase 3 family of protein kinases, is a negative regulator of pyruvate kinase in the yeast <i>Saccharomyces cerevisiae</i> . <i>Journal of Bacteriology</i> , 1997 , 179, 4415-8	3.5	21
45	Genetic interactions with mutations affecting septin assembly reveal ESCRT functions in budding yeast cytokinesis. <i>Biological Chemistry</i> , 2011 , 392, 699-712	4.5	20
44	TOR Complex 2-Regulated Protein Kinase Fpk1 Stimulates Endocytosis via Inhibition of Ark1/Prk1-Related Protein Kinase Akl1 in <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , 2017 , 37,	4.8	19
43	Cytosolic chaperones mediate quality control of higher-order septin assembly in budding yeast. <i>Molecular Biology of the Cell</i> , 2015 , 26, 1323-44	3.5	19
42	The Stress-Sensing TORC2 Complex Activates Yeast AGC-Family Protein Kinase Ypk1 at Multiple Novel Sites. <i>Genetics</i> , 2017 , 207, 179-195	4	19
41	Complex Ligation Using Homologous Recombination and High-efficiency Plasmid Rescue from. <i>Bio-protocol</i> , 2015 , 5,	0.9	19
40	Random mutagenesis and functional analysis of the Ran-binding protein, RanBP1. <i>Journal of Biological Chemistry</i> , 2000 , 275, 4081-91	5.4	18
39	Dedicated transporters for peptide export and intercompartmental traffic in the yeast <i>Saccharomyces cerevisiae</i> . <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 1992 , 57, 579-92	3.9	18
38	mCAL: A New Approach for Versatile Multiplex Action of Cas9 Using One sgRNA and Loci Flanked by a Programmed Target Sequence. <i>G3: Genes, Genomes, Genetics</i> , 2016 , 6, 2147-56	3.2	18
37	Assembly, molecular organization, and membrane-binding properties of development-specific septins. <i>Journal of Cell Biology</i> , 2016 , 212, 515-29	7.3	17
36	Signal transduction: From the atomic age to the post-genomic era. <i>Cold Spring Harbor Perspectives in Biology</i> , 2014 , 6, a022913	10.2	17

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