Jeremy Thorner

List of Publications by Year in Descending Order

178 papers	22,510 citations	75 h-index	149 g-index
186 ext. papers	24,219 ext. citations	11.9 avg, IF	6.5 L-index

#	Paper	IF	Citations
178	TORC2-Dependent Ypk1-Mediated Phosphorylation of Lam2/Ltc4 Disrupts Its Association with the β-Propeller Protein Laf1 at Endoplasmic Reticulum-Plasma Membrane Contact Sites in the Yeast. *Biomolecules*, **2020**, 10,	5.9	4
177	Turning it inside out: The organization of human septin heterooligomers. *Cytoskeleton*, **2019**, 76, 449-456	2.4	11
176	Cover Image, Volume 76, Issue 1. *Cytoskeleton*, **2019**, 76, C4-C4	2.4	
175	Regulation of TORC2 function and localization by Rab5 GTPases in. *Cell Cycle*, **2019**, 18, 1084-1094	4.7	3
174	Analysis of the roles of phosphatidylinositol-4,5-phosphate and individual subunits in assembly, localization, and function of target of rapamycin complex 2. *Molecular Biology of the Cell*, **2019**, 30, 1555-1574	3.5	7
173	Regulation of plasma membrane homeostasis: Dissecting TORC2 signaling. *FASEB Journal*, **2019**, 33, 87.1	0.9	
172	Rab5 GTPases are required for optimal TORC2 function. *Journal of Cell Biology*, **2019**, 218, 961-976	7.3	9
171	Septin-associated proteins Aim44 and Nis1 traffic between the bud neck and the nucleus in the yeast Saccharomyces cerevisiae. *Cytoskeleton*, **2019**, 76, 15-32	2.4	5
170	TOR complex 2-regulated protein kinase Ypk1 controls sterol distribution by inhibiting StARkin domain-containing proteins located at plasma membrane-endoplasmic reticulum contact sites. *Molecular Biology of the Cell*, **2018**, 29, 2128-2136	3.5	21
169	Phosphorylation by the stress-activated MAPK Slt2 down-regulates the yeast TOR complex 2. *Genes and Development*, **2018**, 32, 1576-1590	12.6	10
168	Tracking yeast pheromone receptor Ste2 endocytosis using fluorogen-activating protein tagging. *Molecular Biology of the Cell*, **2018**, 29, 2720-2736	3.5	5
167	TOR Complex 2-Regulated Protein Kinase Fpk1 Stimulates Endocytosis via Inhibition of Ark1/Prk1-Related Protein Kinase Akl1 in Saccharomyces cerevisiae. *Molecular and Cellular Biology*, **2017**, 37,	4.8	19
166	The Stress-Sensing TORC2 Complex Activates Yeast AGC-Family Protein Kinase Ypk1 at Multiple Novel Sites. *Genetics*, **2017**, 207, 179-195	4	19
165	The TORC2-Dependent Signaling Network in the Yeast Saccharomyces cerevisiae. *Biomolecules*, **2017**, 7,	5.9	41
164	Detection of protein-protein interactions at the septin collar in Saccharomyces cerevisiae using a tripartite split-GFP system. *Molecular Biology of the Cell*, **2016**, 27, 2708-25	3.5	23
163	Sphingolipid biosynthesis upregulation by TOR complex 2-Ypk1 signaling during yeast adaptive response to acetic acid stress. *Biochemical Journal*, **2016**, 473, 4311-4325	3.8	29
162	Internalization of Heterologous Sugar Transporters by Endogenous α-Arrestins in the Yeast Saccharomyces cerevisiae. *Applied and Environmental Microbiology*, **2016**, 82, 7074-7085	4.8	8

161	Effects of Bni5 Binding on Septin Filament Organization. *Journal of Molecular Biology*, **2016**, 428, 4962-4980	4.5	4
160	Coordinate action of distinct sequence elements localizes checkpoint kinase Hsl1 to the septin collar at the bud neck in Saccharomyces cerevisiae. *Molecular Biology of the Cell*, **2016**, 27, 2213-33	3.5	14
159	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
158	Differential Phosphorylation Provides a Switch to Control How α-Arrestin Rod1 Down-regulates Mating Pheromone Response in Saccharomyces cerevisiae. *Genetics*, **2016**, 203, 299-317	4	27
157	Assembly, molecular organization, and membrane-binding properties of development-specific septins. *Journal of Cell Biology*, **2016**, 212, 515-29	7.3	17
156	Septin-Associated Protein Kinases in the Yeast. *Frontiers in Cell and Developmental Biology*, **2016**, 4, 119	5.7	9
155	Heterotrimeric G Protein-coupled Receptor Signaling in Yeast Mating Pheromone Response. *Journal of Biological Chemistry*, **2016**, 291, 7788-95	5.4	66
154	mCAL: A New Approach for Versatile Multiplex Action of Cas9 Using One sgRNA and Loci Flanked by a Programmed Target Sequence. *G3: Genes, Genomes, Genetics*, **2016**, 6, 2147-56	3.2	18
153	A FRET-based method for monitoring septin polymerization and binding of septin-associated proteins. *Methods in Cell Biology*, **2016**, 136, 35-56	1.8	6
152	Cytosolic chaperones mediate quality control of higher-order septin assembly in budding yeast. *Molecular Biology of the Cell*, **2015**, 26, 1323-44	3.5	19
151	Plasma membrane aminoglycerolipid flippase function is required for signaling competence in the yeast mating pheromone response pathway. *Molecular Biology of the Cell*, **2015**, 26, 134-50	3.5	11
150	A Förster Resonance Energy Transfer (FRET)-based System Provides Insight into the Ordered Assembly of Yeast Septin Hetero-octamers. *Journal of Biological Chemistry*, **2015**, 290, 28388-28401	5.4	27
149	α-Arrestins participate in cargo selection for both clathrin-independent and clathrin-mediated endocytosis. *Journal of Cell Science*, **2015**, 128, 4220-34	5.3	24
148	The Carboxy-Terminal Tails of Septins Cdc11 and Shs1 Recruit Myosin-II Binding Factor Bni5 to the Bud Neck in Saccharomyces cerevisiae. *Genetics*, **2015**, 200, 843-62	4	32
147	Comprehensive Genetic Analysis of Paralogous Terminal Septin Subunits Shs1 and Cdc11 in Saccharomyces cerevisiae. *Genetics*, **2015**, 200, 821-41	4	34
146	Protein kinase Gin4 negatively regulates flippase function and controls plasma membrane asymmetry. *Journal of Cell Biology*, **2015**, 208, 299-311	7.3	26
145	2-Deoxyglucose impairs Saccharomyces cerevisiae growth by stimulating Snf1-regulated and α-arrestin-mediated trafficking of hexose transporters 1 and 3. *Molecular and Cellular Biology*, **2015**, 35, 939-55	4.8	48
144	Complex Ligation Using Homologous Recombination and High-efficiency Plasmid Rescue from. *Bio-protocol*, **2015**, 5,	0.9	19

143	Down-regulation of TORC2-Ypk1 signaling promotes MAPK-independent survival under hyperosmotic stress. *ELife*, **2015**, 4,	8.9	32
142	Protein kinase Gin4 negatively regulates flippase function and controls plasma membrane asymmetry. *Journal of General Physiology*, **2015**, 145, 1453OIA6	3.4	
141	Signal transduction: From the atomic age to the post-genomic era. *Cold Spring Harbor Perspectives in Biology*, **2014**, 6, a022913	10.2	17
140	Specific □arrestins negatively regulate Saccharomyces cerevisiae pheromone response by down-modulating the G-protein-coupled receptor Ste2. *Molecular and Cellular Biology*, **2014**, 34, 2660-81	4.8	73
139	TORC2-dependent protein kinase Ypk1 phosphorylates ceramide synthase to stimulate synthesis of complex sphingolipids. *ELife*, **2014**, 3,	8.9	105
138	Author response: TORC2-dependent protein kinase Ypk1 phosphorylates ceramide synthase to stimulate synthesis of complex sphingolipids **2014**,		4
137	A calcineurin-dependent switch controls the trafficking function of □arrestin Aly1/Art6. *Journal of Biological Chemistry*, **2013**, 288, 24063-80	5.4	43
136	Native cysteine residues are dispensable for the structure and function of all five yeast mitotic septins. *Proteins: Structure, Function and Bioinformatics*, **2013**, 81, 1964-79	4.2	5
135	Sphingolipid biosynthesis and inflammatory signaling in asthma. *FASEB Journal*, **2013**, 27, 1107.9	0.9	
134	Control of plasma membrane lipid asymetry at the bud neck: septin-bound protein kinase Gin4 locally controls flippase function. *FASEB Journal*, **2013**, 27, 1041.3	0.9	
133	Membrane-protein binding measured with solution-phase plasmonic nanocube sensors. *Nature Methods*, **2012**, 9, 1189-91	21.6	78
132	Reciprocal phosphorylation of yeast glycerol-3-phosphate dehydrogenases in adaptation to distinct types of stress. *Molecular and Cellular Biology*, **2012**, 32, 4705-17	4.8	78
131	Three-dimensional ultrastructure of the septin filament network in Saccharomyces cerevisiae. *Molecular Biology of the Cell*, **2012**, 23, 423-32	3.5	77
130	Septin filament formation is essential in budding yeast. *Developmental Cell*, **2011**, 20, 540-9	10.2	111
129	Genetic interactions with mutations affecting septin assembly reveal ESCRT functions in budding yeast cytokinesis. *Biological Chemistry*, **2011**, 392, 699-712	4.5	20
128	Subunit-dependent modulation of septin assembly: budding yeast septin Shs1 promotes ring and gauze formation. *Journal of Cell Biology*, **2011**, 195, 993-1004	7.3	123
127	Structure of a Ca2+-myristoyl switch protein that controls activation of a phosphatidylinositol 4-kinase in fission yeast. *Journal of Biological Chemistry*, **2011**, 286, 12565-77	5.4	42
126	Protein kinase Ypk1 phosphorylates regulatory proteins Orm1 and Orm2 to control sphingolipid homeostasis in Saccharomyces cerevisiae. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 19222-7	11.5	215

125	Pheromone-induced anisotropy in yeast plasma membrane phosphatidylinositol-4,5-bisphosphate distribution is required for MAPK signaling. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 11805-10	11.5	70
124	Single-cell analysis reveals that insulation maintains signaling specificity between two yeast MAPK pathways with common components. *Science Signaling*, **2010**, 3, ra75	8.8	41
123	A protein kinase network regulates the function of aminophospholipid flippases. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 34-9	11.5	129
122	Systematic epistasis analysis of the contributions of protein kinase A- and mitogen-activated protein kinase-dependent signaling to nutrient limitation-evoked responses in the yeast Saccharomyces cerevisiae. *Genetics*, **2010**, 185, 855-70	4	13
121	Dynamic localization of Fus3 mitogen-activated protein kinase is necessary to evoke appropriate responses and avoid cytotoxic effects. *Molecular and Cellular Biology*, **2010**, 30, 4293-307	4.8	14
120	Phosphatidylinositol-4,5-bisphosphate promotes budding yeast septin filament assembly and organization. *Journal of Molecular Biology*, **2010**, 404, 711-31	6.5	163
119	Nucleus-specific and cell cycle-regulated degradation of mitogen-activated protein kinase scaffold protein Ste5 contributes to the control of signaling competence. *Molecular and Cellular Biology*, **2009**, 29, 582-601	4.8	33
118	Reuse, replace, recycle. Specificity in subunit inheritance and assembly of higher-order septin structures during mitotic and meiotic division in budding yeast. *Cell Cycle*, **2009**, 8, 195-203	4.7	28
117	ABC transporter Pdr10 regulates the membrane microenvironment of Pdr12 in Saccharomyces cerevisiae. *Journal of Membrane Biology*, **2009**, 229, 27-52	2.3	35
116	Septins: molecular partitioning and the generation of cellular asymmetry. *Cell Division*, **2009**, 4, 18	2.8	102
115	Binding of PI4,5P2 by septin complexes is required for their essential function in cytokinesis in budding yeast. *FASEB Journal*, **2009**, 23, 697.5	0.9	1
114	Septin stability and recycling during dynamic structural transitions in cell division and development. *Current Biology*, **2008**, 18, 1203-8	6.3	58
113	Stress resistance and signal fidelity independent of nuclear MAPK function. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 12212-7	11.5	127
112	Saccharomyces cerevisiae septins: supramolecular organization of heterooligomers and the mechanism of filament assembly. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 8274-9	11.5	222
111	An adrenaline (and gold?) rush for the GPCR community. *ACS Chemical Biology*, **2007**, 2, 783-6	4.9	3
110	Function and regulation in MAPK signaling pathways: lessons learned from the yeast Saccharomyces cerevisiae. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2007**, 1773, 1311-40	4.9	428
109	Structural insights into activation of phosphatidylinositol 4-kinase (Pik1) by yeast frequenin (Frq1). *Journal of Biological Chemistry*, **2007**, 282, 30949-59	5.4	52
108	Membrane-active compounds activate the transcription factors Pdr1 and Pdr3 connecting pleiotropic drug resistance and membrane lipid homeostasis in saccharomyces cerevisiae. *Molecular Biology of the Cell*, **2007**, 18, 4932-44	3.5	35

107	Synthesis and function of membrane phosphoinositides in budding yeast, Saccharomyces cerevisiae. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2007**, 1771, 353-404	5	209
106	Function of the MAPK scaffold protein, Ste5, requires a cryptic PH domain. *Genes and Development*, **2006**, 20, 1946-58	12.6	47
105	Analysis of mitogen-activated protein kinase signaling specificity in response to hyperosmotic stress: use of an analog-sensitive HOG1 allele. *Eukaryotic Cell*, **2006**, 5, 1215-28		58
104	Direct phosphorylation and activation of a Nim1-related kinase Gin4 by Elm1 in budding yeast. *Journal of Biological Chemistry*, **2006**, 281, 27090-8	5.4	45
103	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 Saccharomyces cerevisiae. *Molecular and Cellular Biology*, **2006**, 26, 912-28	4.8	64
102	DEP-domain-mediated regulation of GPCR signaling responses. *Cell*, **2006**, 126, 1079-93	56.2	146
101	Activation of the DExD/H-box protein Dbp5 by the nuclear-pore protein Gle1 and its coactivator InsP6 is required for mRNA export. *Nature Cell Biology*, **2006**, 8, 668-76	23.4	222
100	Systems biology approaches in cell signaling research. *Genome Biology*, **2005**, 6, 235	18.3	6
99	Reconstitution of the mammalian PI3K/PTEN/Akt pathway in yeast. *Biochemical Journal*, **2005**, 390, 613-23	3.8	72
98	Some assembly required: yeast septins provide the instruction manual. *Trends in Cell Biology*, **2005**, 15, 414-24	18.3	170
97	Yeast phosphatidylinositol 4-kinase, Pik1, has essential roles at the Golgi and in the nucleus. *Journal of Cell Biology*, **2005**, 171, 967-79	7.3	103
96	Roles of phosphoinositides and of Spo14p (phospholipase D)-generated phosphatidic acid during yeast sporulation. *Molecular Biology of the Cell*, **2004**, 15, 207-18	3.5	54
95	Septin collar formation in budding yeast requires GTP binding and direct phosphorylation by the PAK, Cla4. *Journal of Cell Biology*, **2004**, 164, 701-15	7.3	204
94	Differential roles of PDK1- and PDK2-phosphorylation sites in the yeast AGC kinases Ypk1, Pkc1 and Sch9. *Microbiology (United Kingdom)*, **2004**, 150, 3289-304	2.9	89
93	Protein-protein interactions governing septin heteropentamer assembly and septin filament organization in Saccharomyces cerevisiae. *Molecular Biology of the Cell*, **2004**, 15, 4568-83	3.5	119
92	Coupling morphogenesis to mitotic entry. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 4124-9	11.5	110
91	When the stress of your environment makes you go HOG wild. *Science*, **2004**, 306, 1511-2	33.3	118
90	The kindest cuts of all: crystal structures of Kex2 and furin reveal secrets of precursor processing. *Trends in Biochemical Sciences*, **2004**, 29, 80-7	10.3	69

89	Jekyll and Hyde in the microbial world. *Science*, **2004**, 306, 1509-11	33.3	21
88	Conservation of regulatory function in calcium-binding proteins: human frequenin (neuronal calcium sensor-1) associates productively with yeast phosphatidylinositol 4-kinase isoform, Pik1. *Journal of Biological Chemistry*, **2003**, 278, 49589-99	5.4	38
87	Molecular interactions of yeast frequenin (Frq1) with the phosphatidylinositol 4-kinase isoform, Pik1. *Journal of Biological Chemistry*, **2003**, 278, 4862-74	5.4	39
86	Regulation of Ste7 ubiquitination by Ste11 phosphorylation and the Skp1-Cullin-F-box complex. *Journal of Biological Chemistry*, **2003**, 278, 22284-9	5.4	36
85	Pkh1 and Pkh2 differentially phosphorylate and activate Ypk1 and Ykr2 and define protein kinase modules required for maintenance of cell wall integrity. *Molecular Biology of the Cell*, **2002**, 13, 3005-28	3.5	137
84	Direct and novel regulation of cAMP-dependent protein kinase by Mck1p, a yeast glycogen synthase kinase-3. *Journal of Biological Chemistry*, **2002**, 277, 16814-22	5.4	22
83	Regulation of G protein-initiated signal transduction in yeast: paradigms and principles. *Annual Review of Biochemistry*, **2001**, 70, 703-54	29.1	362
82	A conserved docking site in MEKs mediates high-affinity binding to MAP kinases and cooperates with a scaffold protein to enhance signal transmission. *Journal of Biological Chemistry*, **2001**, 276, 10374-86	5.4	141
81	High affinity interaction of yeast transcriptional regulator, Mot1, with TATA box-binding protein (TBP). *Journal of Biological Chemistry*, **2001**, 276, 11883-94	5.4	28
80	Dynamic localization of the Swe1 regulator Hsl7 during the Saccharomyces cerevisiae cell cycle. *Molecular Biology of the Cell*, **2001**, 12, 1645-69	3.5	75
79	Mutations in the YRB1 gene encoding yeast ran-binding-protein-1 that impair nucleocytoplasmic transport and suppress yeast mating defects. *Genetics*, **2001**, 157, 1089-105	4	24
78	Purification and enzymic properties of Mot1 ATPase, a regulator of basal transcription in the yeast Saccharomyces cerevisiae. *Journal of Biological Chemistry*, **2000**, 275, 21158-68	5.4	27
77	Random mutagenesis and functional analysis of the Ran-binding protein, RanBP1. *Journal of Biological Chemistry*, **2000**, 275, 4081-91	5.4	18
76	Mutational analysis suggests that activation of the yeast pheromone response mitogen-activated protein kinase pathway involves conformational changes in the Ste5 scaffold protein. *Molecular Biology of the Cell*, **2000**, 11, 4033-49	3.5	49
75	Structure and calcium-binding properties of Frq1, a novel calcium sensor in the yeast Saccharomyces cerevisiae. *Biochemistry*, **2000**, 39, 12149-61	3.2	108
74	Direct involvement of phosphatidylinositol 4-phosphate in secretion in the yeast Saccharomyces cerevisiae. *Journal of Biological Chemistry*, **1999**, 274, 34294-300	5.4	238
73	Yeast homologue of neuronal frequenin is a regulator of phosphatidylinositol-4-OH kinase. *Nature Cell Biology*, **1999**, 1, 234-41	23.4	220
72	Functional counterparts of mammalian protein kinases PDK1 and SGK in budding yeast. *Current Biology*, **1999**, 9, 186-97	6.3	228

71	Hsl7 localizes to a septin ring and serves as an adapter in a regulatory pathway that relieves tyrosine phosphorylation of Cdc28 protein kinase in Saccharomyces cerevisiae. *Molecular and Cellular Biology*, **1999**, 19, 7123-37	4.8	164
70	Repression of yeast Ste12 transcription factor by direct binding of unphosphorylated Kss1 MAPK and its regulation by the Ste7 MEK. *Genes and Development*, **1998**, 12, 2887-98	12.6	141
69	Differential regulation of transcription: repression by unactivated mitogen-activated protein kinase Kss1 requires the Dig1 and Dig2 proteins. *Proceedings of the National Academy of Sciences of the United States of America*, **1998**, 95, 15400-5	11.5	121
68	An essential function of a phosphoinositide-specific phospholipase C is relieved by inhibition of a cyclin-dependent protein kinase in the yeast Saccharomyces cerevisiae. *Genetics*, **1998**, 148, 33-47	4	44
67	Identification and characterization of an essential family of inositol polyphosphate 5-phosphatases (INP51, INP52 and INP53 gene products) in the yeast Saccharomyces cerevisiae. *Genetics*, **1998**, 148, 1715-29	4	103
66	Casein kinase II catalyzes tyrosine phosphorylation of the yeast nucleolar immunophilin Fpr3. *Journal of Biological Chemistry*, **1997**, 272, 12961-7	5.4	82
65	Expression and purification of the Saccharomyces cerevisiae alpha-factor receptor (Ste2p), a 7-transmembrane-segment G protein-coupled receptor. *Journal of Biological Chemistry*, **1997**, 272, 15553-61	5.4	77
64	RGS proteins and signaling by heterotrimeric G proteins. *Journal of Biological Chemistry*, **1997**, 272, 3871-4	5.4	416
63	Ste5 RING-H2 domain: role in Ste4-promoted oligomerization for yeast pheromone signaling. *Science*, **1997**, 278, 103-6	33.3	159
62	Inhibitory and activating functions for MAPK Kss1 in the S. cerevisiae filamentous-growth signalling pathway. *Nature*, **1997**, 390, 85-8	50.4	228
61	Mck1, a member of the glycogen synthase kinase 3 family of protein kinases, is a negative regulator of pyruvate kinase in the yeast Saccharomyces cerevisiae. *Journal of Bacteriology*, **1997**, 179, 4415-8	3.5	21
60	Mutational analysis of STE5 in the yeast Saccharomyces cerevisiae: application of a differential interaction trap assay for examining protein-protein interactions. *Genetics*, **1997**, 147, 479-92	4	78
59	Immunophilins in the Yeast Saccharomyces cerevisiae: A Different Spin on Proline Rotamases. *Methods*, **1996**, 9, 165-76	4.6	11
58	Identification and characterization of the CLK1 gene product, a novel CaM kinase-like protein kinase from the yeast Saccharomyces cerevisiae. *Journal of Biological Chemistry*, **1996**, 271, 29958-68	5.4	39
57	Two novel targets of the MAP kinase Kss1 are negative regulators of invasive growth in the yeast Saccharomyces cerevisiae. *Genes and Development*, **1996**, 10, 2831-48	12.6	177
56	The PAL1 gene product is a peroxisomal ATP-binding cassette transporter in the yeast Saccharomyces cerevisiae. *Journal of Cell Biology*, **1996**, 132, 549-63	7.3	67
55	Gain-of-function mutations in a human calmodulin-like protein identify residues critical for calmodulin action in yeast. *Molecular Genetics and Genomics*, **1995**, 247, 137-47		7
54	Overexpression of the yeast MCK1 protein kinase suppresses conditional mutations in centromere-binding protein genes CBF2 and CBF5. *Molecular Genetics and Genomics*, **1995**, 246, 360-6		23

53	The yeast immunophilin Fpr3 is a physiological substrate of the tyrosine-specific phosphoprotein phosphatase Ptp1. *Journal of Biological Chemistry*, **1995**, 270, 25185-93	5.4	17
52	Kss1 **1995**, 222-224		
51	A novel FK506- and rapamycin-binding protein (FPR3 gene product) in the yeast Saccharomyces cerevisiae is a proline rotamase localized to the nucleolus. *Journal of Cell Biology*, **1994**, 127, 623-39	7.3	74
50	Mot1, a global repressor of RNA polymerase II transcription, inhibits TBP binding to DNA by an ATP-dependent mechanism. *Genes and Development*, **1994**, 8, 1920-34	12.6	269
49	Signal propagation and regulation in the mating pheromone response pathway of the yeast Saccharomyces cerevisiae. *Developmental Biology*, **1994**, 166, 363-79	3.1	143
48	Protein splicing elements: inteins and exteins--a definition of terms and recommended nomenclature. *Nucleic Acids Research*, **1994**, 22, 1125-7	20.1	312
47	Chapter 2 A Novel Mechanism for Transmembrane Translocation of Peptides: The Saccharomyces cerevisiae STE6 Transporter and Export of the Mating Pheromone a-Factor. *Current Topics in Membranes*, **1994**, 19-42	2.2	4
46	Phosphatidylinositol 4-kinase: gene structure and requirement for yeast cell viability. *Science*, **1993**, 262, 1444-8	33.3	192
45	The a-factor transporter (STE6 gene product) and cell polarity in the yeast Saccharomyces cerevisiae. *Journal of Cell Biology*, **1993**, 120, 1203-15	7.3	99
44	Pheromone action regulates G-protein alpha-subunit myristoylation in the yeast Saccharomyces cerevisiae. *Proceedings of the National Academy of Sciences of the United States of America*, **1993**, 90, 9688-92	11.5	54
43	Secretion of peptides and proteins lacking hydrophobic signal sequences: the role of adenosine triphosphate-driven membrane translocators. *Endocrine Reviews*, **1992**, 13, 499-514	27.2	60
42	VDE endonuclease cleaves Saccharomyces cerevisiae genomic DNA at a single site: physical mapping of the VMA1 gene. *Nucleic Acids Research*, **1992**, 20, 5484	20.1	38
41	Functional expression of human mdr1 in the yeast Saccharomyces cerevisiae. *Proceedings of the National Academy of Sciences of the United States of America*, **1992**, 89, 2302-6	11.5	89
40	Homing of a DNA endonuclease gene by meiotic gene conversion in Saccharomyces cerevisiae. *Nature*, **1992**, 357, 301-6	50.4	267
39	Dedicated transporters for peptide export and intercompartmental traffic in the yeast Saccharomyces cerevisiae. *Cold Spring Harbor Symposia on Quantitative Biology*, **1992**, 57, 579-92	3.9	18
38	Receptor-G protein signaling in yeast. *Annual Review of Physiology*, **1991**, 53, 37-57	23.1	82
37	Model systems for the study of seven-transmembrane-segment receptors. *Annual Review of Biochemistry*, **1991**, 60, 653-88	29.1	1260
36	Yeast has homologs (CNA1 and CNA2 gene products) of mammalian calcineurin, a calmodulin-regulated phosphoprotein phosphatase. *Proceedings of the National Academy of Sciences of the United States of America*, **1991**, 88, 7376-80	11.5	276

35	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. *Proceedings of the National Academy of Sciences of the United States of America*, **1990**, 87, 4363-7	11.5	104
34	Control of yeast mating signal transduction by a mammalian beta 2-adrenergic receptor and Gs alpha subunit. *Science*, **1990**, 250, 121-3	33.3	219
33	Human fur gene encodes a yeast KEX2-like endoprotease that cleaves pro-beta-NGF in vivo. *Journal of Cell Biology*, **1990**, 111, 2851-9	7.3	367
32	Membrane translocation of proteins without hydrophobic signal peptides. *Current Opinion in Cell Biology*, **1990**, 2, 617-24	9	37
31	A candidate protein kinase C gene, PKC1, is required for the S. cerevisiae cell cycle. *Cell*, **1990**, 62, 213-24	56.2	410
30	Nucleotidylation, not phosphorylation, is the major source of the phosphotyrosine detected in enteric bacteria. *Journal of Bacteriology*, **1989**, 171, 272-9	3.5	51
29	Intracellular targeting and structural conservation of a prohormone-processing endoprotease. *Science*, **1989**, 246, 482-6	33.3	387
28	Genetic and pharmacological suppression of oncogenic mutations in ras genes of yeast and humans. *Science*, **1989**, 245, 379-85	33.3	518
27	Putting it on and taking it off: phosphoprotein phosphatase involvement in cell cycle regulation. *Cell*, **1989**, 57, 891-3	56.2	118
26	A putative protein kinase overcomes pheromone-induced arrest of cell cycling in S. cerevisiae. *Cell*, **1989**, 58, 1107-19	56.2	288
25	Vertebrate and yeast calmodulin, despite significant sequence divergence, are functionally interchangeable. *Proceedings of the National Academy of Sciences of the United States of America*, **1989**, 86, 7909-13	11.5	75
24	Yeast prohormone processing enzyme (KEX2 gene product) is a Ca2+-dependent serine protease. *Proceedings of the National Academy of Sciences of the United States of America*, **1989**, 86, 1434-8	11.5	363
23	The carboxy-terminal segment of the yeast alpha-factor receptor is a regulatory domain. *Cell*, **1988**, 55, 221-34	56.2	312
22	Yeast KEX2 endopeptidase correctly cleaves a neuroendocrine prohormone in mammalian cells. *Science*, **1988**, 241, 226-30	33.3	181
21	Complete nucleotide sequence of the gene encoding the regulatory subunit of 3$5Scyclic AMP-dependent protein kinase from the yeast Saccharomyces cerevisiae. *Nucleic Acids Research*, **1987**, 15, 368-9	20.1	37
20	Isolation of the yeast calmodulin gene using synthetic oligonucleotide probes. *Methods in Enzymology*, **1987**, 139, 248-62	1.7	16
19	Protein-tyrosine kinase activity in Saccharomyces cerevisiae. *Science*, **1986**, 231, 390-3	33.3	59
18	Isolation of the yeast calmodulin gene: calmodulin is an essential protein. *Cell*, **1986**, 47, 423-31	56.2	389

17	Use of the LYS2 Gene for Gene Disruption, Gene Replacement, and Promoter Analysis in Saccharomyces cerevisiae **1985**, 197-226		6
16	Glycosylation and processing of prepro-alpha-factor through the yeast secretory pathway. *Cell*, **1984**, 36, 309-18	56.2	424
15	Isolation of the putative structural gene for the lysine-arginine-cleaving endopeptidase required for processing of yeast prepro-alpha-factor. *Cell*, **1984**, 37, 1075-89	56.2	697
14	Molecular cloning of hormone-responsive genes from the yeast Saccharomyces cerevisiae. *Proceedings of the National Academy of Sciences of the United States of America*, **1984**, 81, 1144-8	11.5	47
13	Yeast alpha factor is processed from a larger precursor polypeptide: the essential role of a membrane-bound dipeptidyl aminopeptidase. *Cell*, **1983**, 32, 839-52	56.2	393
12	An MF alpha 1-SUC2 (alpha-factor-invertase) gene fusion for study of protein localization and gene expression in yeast. *Proceedings of the National Academy of Sciences of the United States of America*, **1983**, 80, 7080-4	11.5	192
11	Cell interactions and regulation of cell type in the yeast Saccharomyces cerevisiae. *Annual Review of Microbiology*, **1983**, 37, 623-60	17.5	185
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