Alistair J P Brown

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207 papers	15,480 citations	67 h-index	119 g-index
219 ext. papers	17,813 ext. citations	7 avg, IF	6.27 L-index

#	Paper	IF	Citations
207	Antifungal agents: mechanisms of action. *Trends in Microbiology*, **2003**, 11, 272-9	12.4	810
206	Evolution of pathogenicity and sexual reproduction in eight Candida genomes. *Nature*, **2009**, 459, 657-62	50.4	764
205	Immune sensing of Candida albicans requires cooperative recognition of mannans and glucans by lectin and Toll-like receptors. *Journal of Clinical Investigation*, **2006**, 116, 1642-50	15.9	548
204	Candida albicans morphogenesis and host defence: discriminating invasion from colonization. *Nature Reviews Microbiology*, **2011**, 10, 112-22	22.2	538
203	Yeast-enhanced green fluorescent protein (yEGFP): a reporter of gene expression in Candida albicans. *Microbiology (United Kingdom)*, **1997**, 143 (Pt 2), 303-311	2.9	501
202	Fungal morphogenesis and host invasion. *Current Opinion in Microbiology*, **2002**, 5, 366-71	7.9	350
201	Role of the Hog1 stress-activated protein kinase in the global transcriptional response to stress in the fungal pathogen Candida albicans. *Molecular Biology of the Cell*, **2006**, 17, 1018-32	3.5	299
200	CIp10, an efficient and convenient integrating vector for Candida albicans. *Yeast*, **2000**, 16, 325-7	3.4	278
199	Niche-specific regulation of central metabolic pathways in a fungal pathogen. *Cellular Microbiology*, **2006**, 8, 961-71	3.9	254
198	Regulatory networks controlling Candida albicans morphogenesis. *Trends in Microbiology*, **1999**, 7, 333-8	12.4	254
197	Immune recognition of Candida albicans beta-glucan by dectin-1. *Journal of Infectious Diseases*, **2007**, 196, 1565-71	7	239
196	Ectopic expression of URA3 can influence the virulence phenotypes and proteome of Candida albicans but can be overcome by targeted reintegration of URA3 at the RPS10 locus. *Eukaryotic Cell* , **2004**, 3, 900-9		237
195	The PKC, HOG and Ca2+ signalling pathways co-ordinately regulate chitin synthesis in Candida albicans. *Molecular Microbiology*, **2007**, 63, 1399-413	4.1	233
194	A conserved stress-activated protein kinase regulates a core stress response in the human pathogen Candida albicans. *Molecular Biology of the Cell*, **2004**, 15, 4179-90	3.5	224
193	A systematic approach to modeling, capturing, and disseminating proteomics experimental data. *Nature Biotechnology*, **2003**, 21, 247-54	44.5	220
192	ALS3 and ALS8 represent a single locus that encodes a Candida albicans adhesin; functional comparisons between Als3p and Als1p. *Microbiology (United Kingdom)*, **2004**, 150, 2415-2428	2.9	200
191	Host carbon sources modulate cell wall architecture, drug resistance and virulence in a fungal pathogen. *Cellular Microbiology*, **2012**, 14, 1319-35	3.9	195

190	APSES proteins regulate morphogenesis and metabolism in Candida albicans. *Molecular Biology of the Cell*, **2004**, 15, 3167-80	3.5	192
189	Transcript profiling in Candida albicans reveals new cellular functions for the transcriptional repressors CaTup1, CaMig1 and CaNrg1. *Molecular Microbiology*, **2001**, 42, 981-93	4.1	186
188	Fungal chitin dampens inflammation through IL-10 induction mediated by NOD2 and TLR9 activation. *PLoS Pathogens*, **2014**, 10, e1004050	7.6	185
187	Outer chain N-glycans are required for cell wall integrity and virulence of Candida albicans. *Journal of Biological Chemistry*, **2006**, 281, 90-8	5.4	182
186	Stress adaptation in a pathogenic fungus. *Journal of Experimental Biology*, **2014**, 217, 144-55	3	168
185	The efficiency of folding of some proteins is increased by controlled rates of translation in vivo. A hypothesis. *Journal of Molecular Biology*, **1987**, 193, 413-7	6.5	166
184	Gcn4 co-ordinates morphogenetic and metabolic responses to amino acid starvation in Candida albicans. *EMBO Journal*, **2002**, 21, 5448-56	13	151
183	Mnt1p and Mnt2p of Candida albicans are partially redundant alpha-1,2-mannosyltransferases that participate in O-linked mannosylation and are required for adhesion and virulence. *Journal of Biological Chemistry*, **2005**, 280, 1051-60	5.4	149
182	The Candida albicans CaACE2 gene affects morphogenesis, adherence and virulence. *Molecular Microbiology*, **2004**, 53, 969-83	4.1	146
181	Differential adaptation of Candida albicans in vivo modulates immune recognition by dectin-1. *PLoS Pathogens*, **2013**, 9, e1003315	7.6	145
180	Phylogenetic diversity of stress signalling pathways in fungi. *BMC Evolutionary Biology*, **2009**, 9, 44	3	143
179	Candida albicans Pmr1p, a secretory pathway P-type Ca2+/Mn2+-ATPase, is required for glycosylation and virulence. *Journal of Biological Chemistry*, **2005**, 280, 23408-15	5.4	143
178	Recognition and blocking of innate immunity cells by Candida albicans chitin. *Infection and Immunity* , **2011**, 79, 1961-70	3.7	139
177	Metabolism impacts upon Candida immunogenicity and pathogenicity at multiple levels. *Trends in Microbiology*, **2014**, 22, 614-22	12.4	138
176	Nitrosative and oxidative stress responses in fungal pathogenicity. *Current Opinion in Microbiology*, **2009**, 12, 384-91	7.9	123
175	Proteomic and phenotypic profiling of the amphibian pathogen Batrachochytrium dendrobatidis shows that genotype is linked to virulence. *Molecular Ecology*, **2009**, 18, 415-29	5.7	120
174	Glucose promotes stress resistance in the fungal pathogen Candida albicans. *Molecular Biology of the Cell*, **2009**, 20, 4845-55	3.5	119
173	Lactate signalling regulates fungal β-glucan masking and immune evasion. *Nature Microbiology*, **2016**, 2, 16238	26.6	118

172	Msn2- and Msn4-like transcription factors play no obvious roles in the stress responses of the fungal pathogen Candida albicans. *Eukaryotic Cell*, **2004**, 3, 1111-23		116
171	Carbon source-induced reprogramming of the cell wall proteome and secretome modulates the adherence and drug resistance of the fungal pathogen Candida albicans. *Proteomics*, **2012**, 12, 3164-79	4.8	115
170	Niche-specific activation of the oxidative stress response by the pathogenic fungus Candida albicans. *Infection and Immunity*, **2007**, 75, 2143-51	3.7	113
169	Infection-related gene expression in Candida albicans. *Current Opinion in Microbiology*, **2007**, 10, 307-13	7.9	113
168	Chs1 of Candida albicans is an essential chitin synthase required for synthesis of the septum and for cell integrity. *Molecular Microbiology*, **2001**, 39, 1414-26	4.1	113
167	Cell Wall Remodeling Enzymes Modulate Fungal Cell Wall Elasticity and Osmotic Stress Resistance. *MBio*, **2015**, 6, e00986	7.8	111
166	Property differences among the four major Candida albicans strain clades. *Eukaryotic Cell*, **2009**, 8, 373-87		107
165	Growth of Candida albicans cells on the physiologically relevant carbon source lactate affects their recognition and phagocytosis by immune cells. *Infection and Immunity*, **2013**, 81, 238-48	3.7	102
164	The relationship between mRNA stability and length in Saccharomyces cerevisiae. *Nucleic Acids Research*, **1986**, 14, 8347-60	20.1	102
163	A multifunctional, synthetic Gaussia princeps luciferase reporter for live imaging of Candida albicans infections. *Infection and Immunity*, **2009**, 77, 4847-58	3.7	99
162	Global roles of Ssn6 in Tup1- and Nrg1-dependent gene regulation in the fungal pathogen, Candida albicans. *Molecular Biology of the Cell*, **2005**, 16, 2913-25	3.5	97
161	GFP as a quantitative reporter of gene regulation in Candida albicans. *Yeast*, **2004**, 21, 333-40	3.4	96
160	Candida albicans hypha formation and mannan masking of β-glucan inhibit macrophage phagosome maturation. *MBio*, **2014**, 5, e01874	7.8	95
159	Endoplasmic reticulum alpha-glycosidases of Candida albicans are required for N glycosylation, cell wall integrity, and normal host-fungus interaction. *Eukaryotic Cell*, **2007**, 6, 2184-93		95
158	Developmental regulation of an adhesin gene during cellular morphogenesis in the fungal pathogen Candida albicans. *Eukaryotic Cell*, **2007**, 6, 682-92		95
157	A multifunctional mannosyltransferase family in Candida albicans determines cell wall mannan structure and host-fungus interactions. *Journal of Biological Chemistry*, **2010**, 285, 12087-95	5.4	89
156	Cellular responses of Candida albicans to phagocytosis and the extracellular activities of neutrophils are critical to counteract carbohydrate starvation, oxidative and nitrosative stress. *PLoS ONE*, **2012**, 7, e52850	3.7	86
155	Hsp90 orchestrates transcriptional regulation by Hsf1 and cell wall remodelling by MAPK signalling during thermal adaptation in a pathogenic yeast. *PLoS Pathogens*, **2012**, 8, e1003069	7.6	85

154	Proteomic response to amino acid starvation in Candida albicans and Saccharomyces cerevisiae. *Proteomics*, **2004**, 4, 2425-36	4.8	82
153	The Mnn2 mannosyltransferase family modulates mannoprotein fibril length, immune recognition and virulence of Candida albicans. *PLoS Pathogens*, **2013**, 9, e1003276	7.6	81
152	Impact of the unfolded protein response upon genome-wide expression patterns, and the role of Hac1 in the polarized growth, of Candida albicans. *Fungal Genetics and Biology*, **2008**, 45, 1235-47	3.9	81
151	Gene disruption in Candida albicans using a synthetic, codon-optimised Cre-loxP system. *Fungal Genetics and Biology*, **2005**, 42, 737-48	3.9	81
150	Genome-wide analysis of Candida albicans gene expression patterns during infection of the mammalian kidney. *Fungal Genetics and Biology*, **2009**, 46, 210-9	3.9	78
149	Exposure of Candida albicans to antifungal agents affects expression of SAP2 and SAP9 secreted proteinase genes. *Journal of Antimicrobial Chemotherapy*, **2005**, 55, 645-54	5.1	78
148	Role of the heat shock transcription factor, Hsf1, in a major fungal pathogen that is obligately associated with warm-blooded animals. *Molecular Microbiology*, **2009**, 74, 844-61	4.1	77
147	Dynamic Fungal Cell Wall Architecture in Stress Adaptation and Immune Evasion. *Trends in Microbiology*, **2018**, 26, 284-295	12.4	74
146	Multiple signalling pathways trigger the exquisite sensitivity of yeast gluconeogenic mRNAs to glucose. *Molecular Microbiology*, **1996**, 20, 751-64	4.1	72
145	The evolutionary rewiring of ubiquitination targets has reprogrammed the regulation of carbon assimilation in the pathogenic yeast Candida albicans. *MBio*, **2012**, 3,	7.8	71
144	Melanin externalization in Candida albicans depends on cell wall chitin structures. *Eukaryotic Cell*, **2010**, 9, 1329-42		69
143	Structure and regulation of the Candida albicans ADH1 gene encoding an immunogenic alcohol dehydrogenase. *Yeast*, **1996**, 12, 115-27	3.4	69
142	Combinatorial stresses kill pathogenic Candida species. *Medical Mycology*, **2012**, 50, 699-709	3.9	67
141	Asynchronous cell cycle and asymmetric vacuolar inheritance in true hyphae of Candida albicans. *Eukaryotic Cell*, **2003**, 2, 398-410		67
140	A beta-glucan-conjugate vaccine and anti-beta-glucan antibodies are effective against murine vaginal candidiasis as assessed by a novel in vivo imaging technique. *Vaccine*, **2010**, 28, 1717-25	4.1	66
139	Metabolism in fungal pathogenesis. *Cold Spring Harbor Perspectives in Medicine*, **2014**, 4, a019695	5.4	65
138	Fungal Hsp90: a biological transistor that tunes cellular outputs to thermal inputs. *Nature Reviews Microbiology*, **2012**, 10, 693-704	22.2	65
137	Small but crucial: the novel small heat shock protein Hsp21 mediates stress adaptation and virulence in Candida albicans. *PLoS ONE*, **2012**, 7, e38584	3.7	64

136	Effects of depleting the essential central metabolic enzyme fructose-1,6-bisphosphate aldolase on the growth and viability of Candida albicans: implications for antifungal drug target discovery. *Eukaryotic Cell*, **2006**, 5, 1371-7		64
135	Glucose triggers different global responses in yeast, depending on the strength of the signal, and transiently stabilizes ribosomal protein mRNAs. *Molecular Microbiology*, **2003**, 48, 713-24	4.1	64
134	Efg1, a morphogenetic regulator in Candida albicans, is a sequence-specific DNA binding protein. *Journal of Bacteriology*, **2001**, 183, 4090-3	3.5	64
133	Pseudomonas aeruginosa secreted factors impair biofilm development in Candida albicans. *Microbiology (United Kingdom)*, **2010**, 156, 1476-1486	2.9	63
132	Activation of the heat shock transcription factor Hsf1 is essential for the full virulence of the fungal pathogen Candida albicans. *Fungal Genetics and Biology*, **2011**, 48, 297-305	3.9	62
131	MNL1 regulates weak acid-induced stress responses of the fungal pathogen Candida albicans. *Molecular Biology of the Cell*, **2008**, 19, 4393-403	3.5	60
130	Hypoxia Promotes Immune Evasion by Triggering β-Glucan Masking on the Candida albicans Cell Surface via Mitochondrial and cAMP-Protein Kinase A Signaling. *MBio*, **2018**, 9,	7.8	59
129	Mechanisms underlying the exquisite sensitivity of Candida albicans to combinatorial cationic and oxidative stress that enhances the potent fungicidal activity of phagocytes. *MBio*, **2014**, 5, e01334-14	7.8	57
128	Early-expressed chemokines predict kidney immunopathology in experimental disseminated Candida albicans infections. *PLoS ONE*, **2009**, 4, e6420	3.7	57
127	Hsf1 and Hsp90 orchestrate temperature-dependent global transcriptional remodelling and chromatin architecture in Candida albicans. *Nature Communications*, **2016**, 7, 11704	17.4	55
126	Protein folding within the cell is influenced by controlled rates of polypeptide elongation. *Journal of Molecular Biology*, **1992**, 228, 7-12	6.5	54
125	Posttranslational modifications of proteins in the pathobiology of medically relevant fungi. *Eukaryotic Cell*, **2012**, 11, 98-108		53
124	A physical comparison of chromosome III in six strains of Saccharomyces cerevisiae. *Yeast*, **1994**, 10, 39-57	3.4	53
123	Global role of the protein kinase Gcn2 in the human pathogen Candida albicans. *Eukaryotic Cell*, **2005**, 4, 1687-96		51
122	Pyruvate kinase (Pyk1) levels influence both the rate and direction of carbon flux in yeast under fermentative conditions. *Microbiology (United Kingdom)*, **2001**, 147, 391-401	2.9	50
121	Fungal virulence studies come of age. *Genome Biology*, **2001**, 2, REVIEWS1009	18.3	49
120	In-host microevolution of Aspergillus fumigatus: A phenotypic and genotypic analysis. *Fungal Genetics and Biology*, **2018**, 113, 1-13	3.9	48
119	The Rewiring of Ubiquitination Targets in a Pathogenic Yeast Promotes Metabolic Flexibility, Host Colonization and Virulence. *PLoS Pathogens*, **2016**, 12, e1005566	7.6	48

118	PEDRo: a database for storing, searching and disseminating experimental proteomics data. *BMC Genomics*, **2004**, 5, 68	4.5	47
117	Candida albicans genome sequence: a platform for genomics in the absence of genetics. *Genome Biology*, **2004**, 5, 230	18.3	46
116	Modelling the regulation of thermal adaptation in Candida albicans, a major fungal pathogen of humans. *PLoS ONE*, **2012**, 7, e32467	3.7	46
115	Candida albicans colonization and dissemination from the murine gastrointestinal tract: the influence of morphology and Th17 immunity. *Cellular Microbiology*, **2015**, 17, 445-50	3.9	45
114	Differential post-transcriptional regulation of yeast mRNAs in response to high and low glucose concentrations. *Molecular Microbiology*, **2000**, 35, 553-65	4.1	45
113	Molecular and proteomic analyses highlight the importance of ubiquitination for the stress resistance, metabolic adaptation, morphogenetic regulation and virulence of Candida albicans. *Molecular Microbiology*, **2011**, 79, 1574-93	4.1	44
112	Oligomeric structure and regulation of Candida albicans glucosamine-6-phosphate synthase. *Journal of Biological Chemistry*, **1999**, 274, 4000-8	5.4	44
111	Translation and stability of an Escherichia coli beta-galactosidase mRNA expressed under the control of pyruvate kinase sequences in Saccharomyces cerevisiae. *Nucleic Acids Research*, **1987**, 15, 7963-74	29.1	44
110	A proteomic analysis of the salt, cadmium and peroxide stress responses in Candida albicans and the role of the Hog1 stress-activated MAPK in regulating the stress-induced proteome. *Proteomics*, **2009**, 9, 4686-703	4.8	43
109	Identification of sumoylation targets, combined with inactivation of SMT3, reveals the impact of sumoylation upon growth, morphology, and stress resistance in the pathogen Candida albicans. *Molecular Biology of the Cell*, **2011**, 22, 687-702	3.5	43
108	The levels of yeast gluconeogenic mRNAs respond to environmental factors. *FEBS Journal*, **1994**, 224, 473-81		43
107	5Psecondary structure formation, in contrast to a short string of non-preferred codons, inhibits the translation of the pyruvate kinase mRNA in yeast. *Yeast*, **1989**, 5, 187-98	3.4	42
106	Host-Imposed Copper Poisoning Impacts Fungal Micronutrient Acquisition during Systemic Candida albicans Infections. *PLoS ONE*, **2016**, 11, e0158683	3.7	42
105	Integrative Model of Oxidative Stress Adaptation in the Fungal Pathogen Candida albicans. *PLoS ONE*, **2015**, 10, e0137750	3.7	40
104	Fungal iron availability during deep seated candidiasis is defined by a complex interplay involving systemic and local events. *PLoS Pathogens*, **2013**, 9, e1003676	7.6	40
103	Nitric oxide and nitrosative stress tolerance in yeast. *Biochemical Society Transactions*, **2011**, 39, 219-23	5.1	37
102	Functional specialization and differential regulation of short-chain carboxylic acid transporters in the pathogen Candida albicans. *Molecular Microbiology*, **2010**, 75, 1337-54	4.1	37
101	Proteomic analysis of the pH response in the fungal pathogen Candida glabrata. *Proteomics*, **2008**, 8, 534-44	4.8	37

100	Candida albicans Iff11, a secreted protein required for cell wall structure and virulence. *Infection and Immunity*, **2007**, 75, 2922-8	3.7	37
99	Rad6p represses yeast-hypha morphogenesis in the human fungal pathogen Candida albicans. *Molecular Microbiology*, **2000**, 35, 1264-75	4.1	37
98	Messenger RNA stability in Saccharomyces cerevisiae: the influence of translation and poly(A) tail length. *Nucleic Acids Research*, **1987**, 15, 2417-29	20.1	37
97	Universal metrics for quality assessment of protein identifications by mass spectrometry. *Molecular and Cellular Proteomics*, **2006**, 5, 1205-11	7.6	36
96	Genetic manipulation of 6-phosphofructo-1-kinase and fructose 2,6-bisphosphate levels affects the extent to which benzoic acid inhibits the growth of Saccharomyces cerevisiae. *Microbiology (United Kingdom)*, **2001**, 147, 403-410	2.9	36
95	Transcriptional and functional insights into the host immune response against the emerging fungal pathogen Candida auris. *Nature Microbiology*, **2020**, 5, 1516-1531	26.6	36
94	Positive regulation of the LPD1 gene of Saccharomyces cerevisiae by the HAP2/HAP3/HAP4 activation system. *Molecular Genetics and Genomics*, **1992**, 231, 296-303		35
93	Pho4 mediates phosphate acquisition in Candida albicans and is vital for stress resistance and metal homeostasis. *Molecular Biology of the Cell*, **2016**, 27, 2784-801	3.5	35
92	Glycosylation status of the C. albicans cell wall affects the efficiency of neutrophil phagocytosis and killing but not cytokine signaling. *Medical Mycology*, **2011**, 49, 513-24	3.9	34
91	Messenger RNA stability in yeast. *Yeast*, **1989**, 5, 239-57	3.4	34
90	Conflicting interests in the pathogen-host tug of war: fungal micronutrient scavenging versus mammalian nutritional immunity. *PLoS Pathogens*, **2014**, 10, e1003910	7.6	33
89	Constitutive activation of the Saccharomyces cerevisiae mating response pathway by a MAP kinase kinase from Candida albicans. *Molecular Genetics and Genomics*, **1995**, 249, 609-21		33
88	Genome-wide gene expression profiling and a forward genetic screen show that differential expression of the sodium ion transporter Ena21 contributes to the differential tolerance of Candida albicans and Candida dubliniensis to osmotic stress. *Molecular Microbiology*, **2009**, 72, 216-28	4.1	32
87	Non-canonical signalling mediates changes in fungal cell wall PAMPs that drive immune evasion. *Nature Communications*, **2019**, 10, 5315	17.4	31
86	The impact of the Fungus-Host-Microbiota interplay upon Candida albicans infections: current knowledge and new perspectives. *FEMS Microbiology Reviews*, **2021**, 45,	15.1	31
85	Candida albicans VAC8 is required for vacuolar inheritance and normal hyphal branching. *Eukaryotic Cell*, **2006**, 5, 359-67		30
84	Stress Adaptation. *Microbiology Spectrum*, **2017**, 5,	8.9	29
83	A transcriptome analysis of isoamyl alcohol-induced filamentation in yeast reveals a novel role for Gre2p as isovaleraldehyde reductase. *FEMS Yeast Research*, **2007**, 7, 84-92	3.1	29

82	The folding of the bifunctional TRP3 protein in yeast is influenced by a translational pause which lies in a region of structural divergence with Escherichia coli indoleglycerol-phosphate synthase. *FEBS Journal*, **1994**, 226, 657-64		29
81	The yeast pyruvate kinase gene does not contain a string of non-preferred codons: revised nucleotide sequence. *FEBS Letters*, **1989**, 247, 312-6	3.8	29
80	Phosphorylation regulates polarisation of chitin synthesis in Candida albicans. *Journal of Cell Science*, **2010**, 123, 2199-206	5.3	27
79	Elevated catalase expression in a fungal pathogen is a double-edged sword of iron. *PLoS Pathogens*, **2017**, 13, e1006405	7.6	27
78	Contribution of Fdh3 and Glr1 to Glutathione Redox State, Stress Adaptation and Virulence in Candida albicans. *PLoS ONE*, **2015**, 10, e0126940	3.7	26
77	Information quality in proteomics. *Briefings in Bioinformatics*, **2008**, 9, 174-88	13.4	25
76	Adapting to survive: How Candida overcomes host-imposed constraints during human colonization. *PLoS Pathogens*, **2020**, 16, e1008478	7.6	24
75	New Clox Systems for rapid and efficient gene disruption in Candida albicans. *PLoS ONE*, **2014**, 9, e100390	3.7	24
74	Bioluminescent fungi for real-time monitoring of fungal infections. *Virulence*, **2010**, 1, 174-6	4.7	24
73	mRNA translation in yeast during entry into stationary phase. *Molecular Genetics and Genomics*, **1998**, 259, 282-93		24
72	Expression of one-hybrid fusions with Staphylococcus aureus lexA in Candida albicans confirms that Nrg1 is a transcriptional repressor and that Gcn4 is a transcriptional activator. *Fungal Genetics and Biology*, **2005**, 42, 676-83	3.9	24
71	Transcript analysis of 250 novel yeast genes from chromosome XIV. *Yeast*, **1999**, 15, 329-50	3.4	24
70	Codon utilisation in the pathogenic yeast, Candida albicans. *Nucleic Acids Research*, **1991**, 19, 4298	20.1	24
69	Blocking two-component signalling enhances Candida albicans virulence and reveals adaptive mechanisms that counteract sustained SAPK activation. *PLoS Pathogens*, **2017**, 13, e1006131	7.6	24
68	From START to FINISH: the influence of osmotic stress on the cell cycle. *PLoS ONE*, **2013**, 8, e68067	3.7	23
67	The effects of alterations within the 3Puntranslated region of the pyruvate kinase messenger RNA upon its stability and translation in Saccharomyces cerevisiae. *Nucleic Acids Research*, **1987**, 15, 7951-62	20.1	23
66	Glyoxylate cycle gene ICL1 is essential for the metabolic flexibility and virulence of Candida glabrata. *Scientific Reports*, **2019**, 9, 2843	4.9	22
65	A systems biology analysis of long and short-term memories of osmotic stress adaptation in fungi. *BMC Research Notes*, **2012**, 5, 258	2.3	22

64	Impact of the transcriptional regulator, Ace2, on the Candida glabrata secretome. *Proteomics*, **2010**, 10, 212-23	4.8	22
63	Protein A-tagging for purification of native macromolecular complexes from Candida albicans. *Yeast*, **2003**, 20, 1235-41	3.4	22
62	Memory in Fungal Pathogens Promotes Immune Evasion, Colonisation, and Infection. *Trends in Microbiology*, **2019**, 27, 219-230	12.4	22
61	Genomics and the development of new diagnostics and anti-Candida drugs. *Trends in Microbiology*, **2007**, 15, 310-7	12.4	21
60	Proteomic changes associated with inactivation of the Candida glabrata ACE2 virulence-moderating gene. *Proteomics*, **2005**, 5, 1838-48	4.8	21
59	The relevance of heat shock regulation in fungal pathogens of humans. *Virulence*, **2010**, 1, 330-2	4.7	20
58	Redox Regulation, Rather than Stress-Induced Phosphorylation, of a Hog1 Mitogen-Activated Protein Kinase Modulates Its Nitrosative-Stress-Specific Outputs. *MBio*, **2018**, 9,	7.8	19
57	Role of the Candida albicans MNN1 gene family in cell wall structure and virulence. *BMC Research Notes*, **2013**, 6, 294	2.3	19
56	The zygomycetous fungus, Benjaminiella poitrasii contains a large family of differentially regulated chitin synthase genes. *Fungal Genetics and Biology*, **2002**, 36, 215-23	3.9	19
55	Cell wall protection by the Candida albicans class I chitin synthases. *Fungal Genetics and Biology*, **2015**, 82, 264-76	3.9	18
54	Scalar nanostructure of the cell wall; a molecular, cellular and ultrastructural analysis and interpretation. *Cell Surface*, **2020**, 6, 100047	4.8	18
53	Messenger RNA degradation in Saccharomyces cerevisiae. *Gene*, **1988**, 72, 151-60	3.8	18
52	Mechanisms Underlying the Delayed Activation of the Cap1 Transcription Factor in Candida albicans following Combinatorial Oxidative and Cationic Stress Important for Phagocytic Potency. *MBio*, **2016**, 7, e00331	7.8	18
51	Recreation of in-host acquired single nucleotide polymorphisms by CRISPR-Cas9 reveals an uncharacterised gene playing a role in Aspergillus fumigatus azole resistance via a non-cyp51A mediated resistance mechanism. *Fungal Genetics and Biology*, **2019**, 130, 98-106	3.9	17
50	Epitope Shaving Promotes Fungal Immune Evasion. *MBio*, **2020**, 11,	7.8	16
49	Expression of a yeast glycolytic gene is subject to dosage limitation. *Gene*, **1990**, 89, 85-92	3.8	16
48	Gene regulation during morphogenesis in Candida albicans. *Contributions To Microbiology*, **2000**, 5, 112-25		15
47	Physiologically Relevant Alternative Carbon Sources Modulate Biofilm Formation, Cell Wall Architecture, and the Stress and Antifungal Resistance of. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	14

46	Differential regulation of kidney and spleen cytokine responses in mice challenged with pathology-standardized doses of Candida albicans mannosylation mutants. *Infection and Immunity*, **2011**, 79, 146-52	3.7	14
45	Sfp1 and Rtg3 reciprocally modulate carbon source-conditional stress adaptation in the pathogenic yeast Candida albicans. *Molecular Microbiology*, **2017**, 105, 620-636	4.1	14
44	Oma1 Links Mitochondrial Protein Quality Control and TOR Signaling To Modulate Physiological Plasticity and Cellular Stress Responses. *Molecular and Cellular Biology*, **2016**, 36, 2300-12	4.8	13
43	A quantitative model for mRNA translation in Saccharomyces cerevisiae. *Yeast*, **2010**, 27, 785-800	3.4	13
42	Specificity of the osmotic stress response in Candida albicans highlighted by quantitative proteomics. *Scientific Reports*, **2018**, 8, 14492	4.9	12
41	Transcriptional responses of biofilm cells to fluconazole are modulated by the carbon source. *Npj Biofilms and Microbiomes*, **2020**, 6, 4	8.2	11
40	Drug-mediated metabolic tipping between antibiotic resistant states in a mixed-species community. *Nature Ecology and Evolution*, **2018**, 2, 1312-1320	12.3	11
39	Candidaß arranged marriage. *Science*, **2000**, 289, 256-7	33.3	11
38	A comparison of the reactivity and stability of wild type and His388----Gln mutant phosphoglycerate kinase from yeast. *FEBS Journal*, **1991**, 202, 1157-64		11
37	Azole antifungals induce up-regulation of SAP4, SAP5 and SAP6 secreted proteinase genes in filamentous Candida albicans cells in vitro and in vivo. *Journal of Antimicrobial Chemotherapy*, **2008**, 61, 315-22	5.1	10
36	The carboxylic acid transporters Jen1 and Jen2 affect the architecture and fluconazole susceptibility of Candida albicans biofilm in the presence of lactate. *Biofouling*, **2017**, 33, 943-954	3.3	9
35	Analysing GCN4 translational control in yeast by stochastic chemical kinetics modelling and simulation. *BMC Systems Biology*, **2011**, 5, 131	3.5	9
34	Characterization of a new hemoprotein in the yeast Saccharomyces cerevisiae. *Journal of Biological Chemistry*, **1999**, 274, 5032-7	5.4	9
33	Toward a Molecular Understanding of Candida albicans Virulence305-P1		9
32	Differences in fungal immune recognition by monocytes and macrophages: -mannan can be a shield or activator of immune recognition. *Cell Surface*, **2020**, 6, 100042	4.8	9
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