

# Malcolm Whiteway

## List of Publications by Year in descending order

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87  
papers

5,072  
citations

109137

35  
h-index

95083

68  
g-index

153  
all docs

153  
docs citations

153  
times ranked

4159  
citing authors

#	ARTICLE	IF	CITATIONS
1	Morphogenesis in <i>Candida albicans</i> . Annual Review of Microbiology, 2007, 61, 529-553.	2.9	349
2	Transcription Profiling of <i>Candida albicans</i> Cells Undergoing the Yeast-to-Hyphal Transition. Molecular Biology of the Cell, 2002, 13, 3452-3465.	0.9	346
3	Roles of the <i>Candida albicans</i> Mitogen-Activated Protein Kinase Homolog, Cek1p, in Hyphal Development and Systemic Candidiasis. Infection and Immunity, 1998, 66, 2713-2721.	1.0	313
4	Superoxide Dismutases in <i>Candida albicans</i> : Transcriptional Regulation and Functional Characterization of the Hyphal-induced SOD5 Gene. Molecular Biology of the Cell, 2004, 15, 456-467.	0.9	229
5	Transcriptional Regulation of Carbohydrate Metabolism in the Human Pathogen <i>Candida albicans</i> . PLoS Pathogens, 2009, 5, e1000612.	2.1	223
6	Interaction of a G-protein $\beta$ -subunit with a conserved sequence in Ste20/PAK family protein kinases. Nature, 1998, 391, 191-195.	13.7	209
7	Global Gene Deletion Analysis Exploring Yeast Filamentous Growth. Science, 2012, 337, 1353-1356.	6.0	186
8	<i>Candida</i> morphogenesis and host-pathogen interactions. Current Opinion in Microbiology, 2004, 7, 350-357.	2.3	174
9	Drag&Drop cloning in yeast. Gene, 2005, 344, 43-51.	1.0	165
10	Transcriptional Rewiring of Fungal Galactose-Metabolism Circuitry. Current Biology, 2007, 17, 1007-1013.	1.8	162
11	Assembly of the <i>Candida albicans</i> genome into sixteen supercontigs aligned on the eight chromosomes. Genome Biology, 2007, 8, R52.	13.9	151
12	Transcription Profiling of Cyclic AMP Signaling in <i>Candida albicans</i> . Molecular Biology of the Cell, 2004, 15, 4490-4499.	0.9	145
13	Evolutionary Tinkering with Conserved Components of a Transcriptional Regulatory Network. PLoS Biology, 2010, 8, e1000329.	2.6	133
14	Derepressed Hyphal Growth and Reduced Virulence in a VH1 Family-related Protein Phosphatase Mutant of the Human Pathogen <i>Candida albicans</i> . Molecular Biology of the Cell, 1997, 8, 2539-2551.	0.9	105
15	RNA sequencing reveals an additional Crz1-binding motif in promoters of its target genes in the human fungal pathogen <i>Candida albicans</i> . Cell Communication and Signaling, 2020, 18, 1.	2.7	103
16	Transcription Factor Substitution during the Evolution of Fungal Ribosome Regulation. Molecular Cell, 2008, 29, 552-562.	4.5	100
17	A toolbox for epitope-tagging and genome-wide location analysis in <i>Candida albicans</i> . BMC Genomics, 2008, 9, 578.	1.2	89
18	Cell cycle arrest during S or M phase generates polarized growth via distinct signals in <i>Candida albicans</i> . Molecular Microbiology, 2005, 57, 942-959.	1.2	87

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19	Genome-wide Mapping of the Coactivator Ada2p Yields Insight into the Functional Roles of SAGA/ADA Complex in <i>Candida albicans</i> . <i>Molecular Biology of the Cell</i> , 2009, 20, 2389-2400.	0.9	86
20	Adaptor protein Ste50p links the Ste11p MEKK to the HOG pathway through plasma membrane association. <i>Genes and Development</i> , 2006, 20, 734-746.	2.7	85
21	Cyclin Cln3p Links G 1 Progression to Hyphal and Pseudohyphal Development in <i>Candida albicans</i> . <i>Eukaryotic Cell</i> , 2005, 4, 95-102.	3.4	78
22	Pho85, Pcl1, and Hms1 Signaling Governs <i>Candida albicans</i> Morphogenesis Induced by High Temperature or Hsp90 Compromise. <i>Current Biology</i> , 2012, 22, 461-470.	1.8	77
23	Depletion of a Polo-like Kinase in <i>Candida albicans</i> Activates Cyclase-dependent Hyphal-like Growth. <i>Molecular Biology of the Cell</i> , 2003, 14, 2163-2180.	0.9	76
24	Rearrangements of the transcriptional regulatory networks of metabolic pathways in fungi. <i>Current Opinion in Microbiology</i> , 2009, 12, 655-663.	2.3	75
25	Transcriptional Analysis of the <i>Candida albicans</i> Cell Cycle. <i>Molecular Biology of the Cell</i> , 2009, 20, 3363-3373.	0.9	74
26	Chemogenomic profiling predicts antifungal synergies. <i>Molecular Systems Biology</i> , 2009, 5, 338.	3.2	71
27	Role of Transcription Factor CaNdt80p in Cell Separation, Hyphal Growth, and Virulence in <i>Candida albicans</i> . <i>Eukaryotic Cell</i> , 2010, 9, 634-644.	3.4	69
28	Widespread occurrence of chromosomal aneuploidy following the routine production of <i>Candida albicans</i> mutants. <i>FEMS Yeast Research</i> , 2009, 9, 1070-1077.	1.1	54
29	Forward genetics in <i>Candida albicans</i> that reveals the Arp2/3 complex is required for hyphal formation, but not endocytosis. <i>Molecular Microbiology</i> , 2010, 75, 1182-1198.	1.2	52
30	Expression and pharmacological characterization of the human M1 muscarinic receptor in <i>Saccharomyces cerevisiae</i> . <i>FEBS Letters</i> , 1990, 266, 21-25.	1.3	51
31	Reverse Genetics in <i>Candida albicans</i> Predicts ARF Cycling Is Essential for Drug Resistance and Virulence. <i>PLoS Pathogens</i> , 2010, 6, e1000753.	2.1	51
32	The zinc cluster transcription factor Ahr1p directs Mcm1p regulation of <i>Candida albicans</i> adhesion. <i>Molecular Microbiology</i> , 2011, 79, 940-953.	1.2	48
33	Beauvericin Potentiates Azole Activity via Inhibition of Multidrug Efflux, Blocks <i>Candida albicans</i> Morphogenesis, and Is Effluxed via Yor1 and Circuitry Controlled by Zcf29. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 7468-7480.	1.4	48
34	Tuning Hsf1 levels drives distinct fungal morphogenetic programs with depletion impairing Hsp90 function and overexpression expanding the target space. <i>PLoS Genetics</i> , 2018, 14, e1007270.	1.5	42
35	Evolutionary Reshaping of Fungal Mating Pathway Scaffold Proteins. <i>MBio</i> , 2011, 2, e00230-10.	1.8	41
36	Identification and Characterization of MFA1, the Gene Encoding <i>Candida albicans</i> -Factor Pheromone. <i>Eukaryotic Cell</i> , 2007, 6, 487-494.	3.4	38

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37	Barrier Activity in <i>Candida albicans</i> Mediates Pheromone Degradation and Promotes Mating. <i>Eukaryotic Cell</i> , 2007, 6, 907-918.	3.4	37
38	Mitogen-activated protein kinase-defective <i>Candida albicans</i> is avirulent in a novel model of localized murine candidiasis. <i>FEMS Microbiology Letters</i> , 1998, 166, 135-139.	0.7	36
39	The plasma membrane protein Rch1 is a negative regulator of cytosolic calcium homeostasis and positively regulated by the calcium/calcineurin signaling pathway in budding yeast. <i>European Journal of Cell Biology</i> , 2016, 95, 164-174.	1.6	34
40	SST2 , a Regulator of G-Protein Signaling for the <i>Candida albicans</i> Mating Response Pathway. <i>Eukaryotic Cell</i> , 2006, 5, 192-202.	3.4	33
41	Recent advances on <i>Candida albicans</i> biology and virulence. <i>F1000Research</i> , 2016, 5, 2582.	0.8	28
42	<i>Candida albicans</i> targets that potentially synergize with fluconazole. <i>Critical Reviews in Microbiology</i> , 2021, 47, 323-337.	2.7	28
43	A novel type 2C protein phosphatase from the human fungal pathogen <i>Candida albicans</i> . <i>FEBS Letters</i> , 2001, 509, 142-144.	1.3	27
44	A Functional Portrait of Med7 and the Mediator Complex in <i>Candida albicans</i> . <i>PLoS Genetics</i> , 2014, 10, e1004770.	1.5	27
45	Heterotrimeric G-Protein Subunit Function in <i>Candida albicans</i> : both the $\hat{1}\pm$ and $\hat{1}^2$ Subunits of the Pheromone Response G Protein Are Required for Mating. <i>Eukaryotic Cell</i> , 2008, 7, 1591-1599.	3.4	26
46	Reduced pathogenicity of a <i>Candida albicans</i> MAP kinase phosphatase (CPP1) mutant in the murine mastitis model. <i>Apmis</i> , 1998, 106, 1049-1055.	0.9	24
47	Metabolic regulation in model ascomycetes “ adjusting similar genomes to different lifestyles. <i>Trends in Genetics</i> , 2015, 31, 445-453.	2.9	24
48	The Evolutionary Rewiring of the Ribosomal Protein Transcription Pathway Modifies the Interaction of Transcription Factor Heteromer Ifh1-Fhl1 (Interacts with Forkhead 1-Forkhead-like 1) with the DNA-binding Specificity Element. <i>Journal of Biological Chemistry</i> , 2013, 288, 17508-17519.	1.6	20
49	Rewiring of the Ppr1 Zinc Cluster Transcription Factor from Purine Catabolism to Pyrimidine Biogenesis in the <i>Saccharomycetaceae</i> . <i>Current Biology</i> , 2016, 26, 1677-1687.	1.8	20
50	Microarrays for Studying Pathogenicity in <i>Candida Albicans</i> . , 0, , 181-209.		18
51	Put3 Positively Regulates Proline Utilization in <i>Candida albicans</i> . <i>MSphere</i> , 2017, 2, .	1.3	17
52	The Genomic Landscape of the Fungus-Specific SWI/SNF Complex Subunit, Snf6, in <i>Candida albicans</i> . <i>MSphere</i> , 2017, 2, .	1.3	17
53	Functional divergence of a global regulatory complex governing fungal filamentation. <i>PLoS Genetics</i> , 2019, 15, e1007901.	1.5	17
54	Comparative Xylose Metabolism among the Ascomycetes <i>C. albicans</i> , <i>S. stipitis</i> and <i>S. cerevisiae</i> . <i>PLoS ONE</i> , 2013, 8, e80733.	1.1	16

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55	Epigenetic control of pheromone MAPK signaling determines sexual fecundity in <i>Candida albicans</i> . Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13780-13785.	3.3	16
56	Chemogenomic Profiling of the Fungal Pathogen <i>Candida albicans</i> . Antimicrobial Agents and Chemotherapy, 2018, 62, .	1.4	16
57	The adaptor protein Ste50 directly modulates yeast MAPK signaling specificity through differential connections of its RA domain. Molecular Biology of the Cell, 2019, 30, 794-807.	0.9	15
58	Deletion of a Yci1 Domain Protein of <i>Candida albicans</i> Allows Homothallic Mating in <i>MTL</i> Heterozygous Cells. MBio, 2016, 7, e00465-16.	1.8	14
59	Evolutionary Transition of GAL Regulatory Circuit from Generalist to Specialist Function in Ascomycetes. Trends in Microbiology, 2018, 26, 692-702.	3.5	14
60	Mms21: A Putative SUMO E3 Ligase in <i>Candida albicans</i> That Negatively Regulates Invasiveness and Filamentation, and Is Required for the Genotoxic and Cellular Stress Response. Genetics, 2019, 211, 579-595.	1.2	14
61	Functional expression of opioid receptors and other human GPCRs in yeast engineered to produce human sterols. Nature Communications, 2022, 13, .	5.8	13
62	Negative regulation of filamentous growth in <i>Candida albicans</i> by Dig1p. Molecular Microbiology, 2017, 105, 810-824.	1.2	10
63	The tricarboxylic acid cycle, cell wall integrity pathway, cytokinesis and intracellular pH homeostasis are involved in the sensitivity of <i>Candida albicans</i> cells to high levels of extracellular calcium. Genomics, 2019, 111, 1226-1230.	1.3	9
64	Nucleotide Excision Repair Protein Rad23 Regulates Cell Virulence Independent of Rad4 in <i>Candida albicans</i> . MSphere, 2020, 5, .	1.3	9
65	Hof1 plays a checkpoint-related role in MMS-induced DNA damage response in <i>Candida albicans</i> . Molecular Biology of the Cell, 2020, 31, 348-359.	0.9	8
66	Modulation of the complex regulatory network for methionine biosynthesis in fungi. Genetics, 2021, 217, .	1.2	8
67	SAGA Complex Subunits in <i>Candida albicans</i> Differentially Regulate Filamentation, Invasiveness, and Biofilm Formation. Frontiers in Cellular and Infection Microbiology, 2022, 12, 764711.	1.8	7
68	The MyLO CRISPR-Cas9 toolkit: a markerless yeast localization and overexpression CRISPR-Cas9 toolkit. G3: Genes, Genomes, Genetics, 2022, 12, .	0.8	7
69	Loss of RPS41 but not its paralog RPS42 results in altered growth, filamentation and transcriptome changes in <i>Candida albicans</i> . Fungal Genetics and Biology, 2015, 80, 31-42.	0.9	6
70	Screening of <i>Candida albicans</i> GRACE library revealed a unique pattern of biofilm formation under repression of the essential gene ILS1. Scientific Reports, 2019, 9, 9187.	1.6	6
71	SRYTH: A New Yeast Two-Hybrid Method. Methods in Molecular Biology, 2016, 1356, 31-41.	0.4	6
72	Structurally unique interaction of RBD-like and PH domains is crucial for yeast pheromone signaling. Molecular Biology of the Cell, 2013, 24, 409-420.	0.9	5

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73	The zinc cluster transcription factor Rha1 is a positive filamentation regulator in <i>Candida albicans</i> . <i>Genetics</i> , 2022, 220, .	1.2	5
74	Yeast Mating: Putting Some Fizz into Fungal Sex?. <i>Current Biology</i> , 2009, 19, R258-R260.	1.8	4
75	The Role of Mms22p in DNA Damage Response in <i>Candida albicans</i> . <i>G3: Genes, Genomes, Genetics</i> , 2015, 5, 2567-2578.	0.8	4
76	MAP Kinase Regulation of the <i>Candida albicans</i> Pheromone Pathway. <i>MSphere</i> , 2019, 4, .	1.3	4
77	Molecular cloning of the CRM1 gene from <i>Candida albicans</i> . <i>Yeast</i> , 2000, 16, 531-538.	0.8	3
78	Yeast Mating: Trying Out New Pickup Lines. <i>Current Biology</i> , 2011, 21, R626-R628.	1.8	3
79	Loss of Arp1, a putative actin-related protein, triggers filamentous and invasive growth and impairs pathogenicity in <i>Candida albicans</i> . <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 4002-4015.	1.9	3
80	Genetic Screening of <i>Candida albicans</i> Inactivation Mutants Identifies New Genes Involved in Macrophage-Fungal Cell Interactions. <i>Frontiers in Microbiology</i> , 2022, 13, 833655.	1.5	3
81	Ste18p Is a Positive Control Element in the Mating Process of <i>Candida albicans</i> . <i>Eukaryotic Cell</i> , 2014, 13, 461-469.	3.4	2
82	Mitogen-activated protein kinase-defective <i>Candida albicans</i> is avirulent in a novel model of localized murine candidiasis. , 0, .		2
83	Signal Transduction in the Interactions of Fungal Pathogens and Mammalian Hosts. , 0, , 143-162.		2
84	Signal-mediated localization of <i>Candida albicans</i> pheromone response pathway components. <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	0.8	2
85	Transcriptional Profiling of the <i>Candida albicans</i> Response to the DNA Damage Agent Methyl Methanesulfonate. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7555.	1.8	2
86	<i>Fungal Genetics</i> . , 2005, , 35-63.		0
87	Role of SAGA complex subunits in gene regulation of <i>Candida albicans</i> . <i>Access Microbiology</i> , 2021, 3, .	0.2	0