

Malcolm Whiteway

List of Publications by Year in descending order

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88
papers

5,072
citations

109321

35
h-index

95266

68
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153
all docs

153
docs citations

153
times ranked

4159
citing authors

#	ARTICLE	IF	CITATIONS
1	The zinc cluster transcription factor Rha1 is a positive filamentation regulator in <i>Candida albicans</i> . <i>Genetics</i> , 2022, 220, .	2.9	5
2	SAGA Complex Subunits in <i>Candida albicans</i> Differentially Regulate Filamentation, Invasiveness, and Biofilm Formation. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 764711.	3.9	7
3	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.	3.5	3
4	Functional expression of opioid receptors and other human GPCRs in yeast engineered to produce human sterols. <i>Nature Communications</i> , 2022, 13, .	12.8	13
5	The MyLO CRISPR-Cas9 toolkit: a markerless yeast localization and overexpression CRISPR-Cas9 toolkit. <i>G3: Genes, Genomes, Genetics</i> , 2022, 12, .	1.8	7
6	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.	4.1	2
7	Modulation of the complex regulatory network for methionine biosynthesis in fungi. <i>Genetics</i> , 2021, 217, .	2.9	8
8	<i>Candida albicans</i> targets that potentially synergize with fluconazole. <i>Critical Reviews in Microbiology</i> , 2021, 47, 323-337.	6.1	28
9	Signal-mediated localization of <i>Candida albicans</i> pheromone response pathway components. <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	1.8	2
10	Role of SAGA complex subunits in gene regulation of <i>Candida albicans</i> . <i>Access Microbiology</i> , 2021, 3, .	0.5	0
11	RNA sequencing reveals an additional Crz1-binding motif in promoters of its target genes in the human fungal pathogen <i>Candida albicans</i> . <i>Cell Communication and Signaling</i> , 2020, 18, 1.	6.5	103
12	Nucleotide Excision Repair Protein Rad23 Regulates Cell Virulence Independent of Rad4 in <i>Candida albicans</i> . <i>MSphere</i> , 2020, 5, .	2.9	9
13	Hof1 plays a checkpoint-related role in MMS-induced DNA damage response in <i>Candida albicans</i> . <i>Molecular Biology of the Cell</i> , 2020, 31, 348-359.	2.1	8
14	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.	4.1	3
15	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. <i>Genomics</i> , 2019, 111, 1226-1230.	2.9	9
16	Screening of <i>Candida albicans</i> GRACE library revealed a unique pattern of biofilm formation under repression of the essential gene ILS1. <i>Scientific Reports</i> , 2019, 9, 9187.	3.3	6
17	The adaptor protein Ste50 directly modulates yeast MAPK signaling specificity through differential connections of its RA domain. <i>Molecular Biology of the Cell</i> , 2019, 30, 794-807.	2.1	15
18	MAP Kinase Regulation of the <i>Candida albicans</i> Pheromone Pathway. <i>MSphere</i> , 2019, 4, .	2.9	4

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19	Functional divergence of a global regulatory complex governing fungal filamentation. <i>PLoS Genetics</i> , 2019, 15, e1007901.	3.5	17
20	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. <i>Genetics</i> , 2019, 211, 579-595.	2.9	14
21	Chemogenomic Profiling of the Fungal Pathogen <i>Candida albicans</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	3.2	16
22	Evolutionary Transition of GAL Regulatory Circuit from Generalist to Specialist Function in Ascomycetes. <i>Trends in Microbiology</i> , 2018, 26, 692-702.	7.7	14
23	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.	3.5	42
24	Put3 Positively Regulates Proline Utilization in <i>Candida albicans</i> . <i>MSphere</i> , 2017, 2, .	2.9	17
25	The Genomic Landscape of the Fungus-Specific SWI/SNF Complex Subunit, Snf6, in <i>Candida albicans</i> . <i>MSphere</i> , 2017, 2, .	2.9	17
26	Negative regulation of filamentous growth in <i>Candida albicans</i> by Dig1p. <i>Molecular Microbiology</i> , 2017, 105, 810-824.	2.5	10
27	Epigenetic control of pheromone MAPK signaling determines sexual fecundity in <i>Candida albicans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 13780-13785.	7.1	16
28	Recent advances on <i>Candida albicans</i> biology and virulence. <i>F1000Research</i> , 2016, 5, 2582.	1.6	28
29	Deletion of a Yci1 Domain Protein of <i>Candida albicans</i> Allows Homothallic Mating in <i>MTL</i> Heterozygous Cells. <i>MBio</i> , 2016, 7, e00465-16.	4.1	14
30	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.	3.6	34
31	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.	3.2	48
32	Rewiring of the Ppr1 Zinc Cluster Transcription Factor from Purine Catabolism to Pyrimidine Biogenesis in the Saccharomycetaceae. <i>Current Biology</i> , 2016, 26, 1677-1687.	3.9	20
33	SRYPH: A New Yeast Two-Hybrid Method. <i>Methods in Molecular Biology</i> , 2016, 1356, 31-41.	0.9	6
34	The Role of Mms22p in DNA Damage Response in <i>Candida albicans</i> . <i>G3: Genes, Genomes, Genetics</i> , 2015, 5, 2567-2578.	1.8	4
35	Metabolic regulation in model ascomycetes – adjusting similar genomes to different lifestyles. <i>Trends in Genetics</i> , 2015, 31, 445-453.	6.7	24
36	Loss of RPS41 but not its paralog RPS42 results in altered growth, filamentation and transcriptome changes in <i>Candida albicans</i> . <i>Fungal Genetics and Biology</i> , 2015, 80, 31-42.	2.1	6

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37	A Functional Portrait of Med7 and the Mediator Complex in <i>Candida albicans</i> . <i>PLoS Genetics</i> , 2014, 10, e1004770.	3.5	27
38	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
39	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.	3.4	20
40	Structurally unique interaction of RBD-like and PH domains is crucial for yeast pheromone signaling. <i>Molecular Biology of the Cell</i> , 2013, 24, 409-420.	2.1	5
41	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.	2.5	16
42	Global Gene Deletion Analysis Exploring Yeast Filamentous Growth. <i>Science</i> , 2012, 337, 1353-1356.	12.6	186
43	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.	3.9	77
44	The zinc cluster transcription factor Ahr1p directs Mcm1p regulation of <i>Candida albicans</i> adhesion. <i>Molecular Microbiology</i> , 2011, 79, 940-953.	2.5	48
45	Yeast Mating: Trying Out New Pickup Lines. <i>Current Biology</i> , 2011, 21, R626-R628.	3.9	3
46	Evolutionary Reshaping of Fungal Mating Pathway Scaffold Proteins. <i>MBio</i> , 2011, 2, e00230-10.	4.1	41
47	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.	2.5	52
48	Reverse Genetics in <i>Candida albicans</i> Predicts ARF Cycling Is Essential for Drug Resistance and Virulence. <i>PLoS Pathogens</i> , 2010, 6, e1000753.	4.7	51
49	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
50	Evolutionary Tinkering with Conserved Components of a Transcriptional Regulatory Network. <i>PLoS Biology</i> , 2010, 8, e1000329.	5.6	133
51	Chemogenomic profiling predicts antifungal synergies. <i>Molecular Systems Biology</i> , 2009, 5, 338.	7.2	71
52	Transcriptional Regulation of Carbohydrate Metabolism in the Human Pathogen <i>Candida albicans</i> . <i>PLoS Pathogens</i> , 2009, 5, e1000612.	4.7	223
53	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.	2.1	86
54	Transcriptional Analysis of the <i>Candida albicans</i> Cell Cycle. <i>Molecular Biology of the Cell</i> , 2009, 20, 3363-3373.	2.1	74

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55	Yeast Mating: Putting Some Fizz into Fungal Sex?. <i>Current Biology</i> , 2009, 19, R258-R260.	3.9	4
56	Widespread occurrence of chromosomal aneuploidy following the routine production of <i>Candida albicans</i> mutants. <i>FEMS Yeast Research</i> , 2009, 9, 1070-1077.	2.3	54
57	Rearrangements of the transcriptional regulatory networks of metabolic pathways in fungi. <i>Current Opinion in Microbiology</i> , 2009, 12, 655-663.	5.1	75
58	A toolbox for epitope-tagging and genome-wide location analysis in <i>Candida albicans</i> . <i>BMC Genomics</i> , 2008, 9, 578.	2.8	89
59	Transcription Factor Substitution during the Evolution of Fungal Ribosome Regulation. <i>Molecular Cell</i> , 2008, 29, 552-562.	9.7	100
60	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
61	Barrier Activity in <i>Candida albicans</i> Mediates Pheromone Degradation and Promotes Mating. <i>Eukaryotic Cell</i> , 2007, 6, 907-918.	3.4	37
62	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
63	Assembly of the <i>Candida albicans</i> genome into sixteen supercontigs aligned on the eight chromosomes. <i>Genome Biology</i> , 2007, 8, R52.	9.6	151
64	Morphogenesis in <i>Candida albicans</i> . <i>Annual Review of Microbiology</i> , 2007, 61, 529-553.	7.3	349
65	Transcriptional Rewiring of Fungal Galactose-Metabolism Circuitry. <i>Current Biology</i> , 2007, 17, 1007-1013.	3.9	162
66	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
67	Adaptor protein Ste50p links the Ste11p MEKK to the HOG pathway through plasma membrane association. <i>Genes and Development</i> , 2006, 20, 734-746.	5.9	85
68	Fungal Genetics. , 2005, , 35-63.		0
69	Cell cycle arrest during S or M phase generates polarized growth via distinct signals in <i>Candida albicans</i> . <i>Molecular Microbiology</i> , 2005, 57, 942-959.	2.5	87
70	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
71	Drag&Drop cloning in yeast. <i>Gene</i> , 2005, 344, 43-51.	2.2	165
72	Superoxide Dismutases in <i>Candida albicans</i> : Transcriptional Regulation and Functional Characterization of the Hyphal-induced SOD5 Gene. <i>Molecular Biology of the Cell</i> , 2004, 15, 456-467.	2.1	229

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73	Transcription Profiling of Cyclic AMP Signaling in <i>Candida albicans</i> . <i>Molecular Biology of the Cell</i> , 2004, 15, 4490-4499.	2.1	145
74	<i>Candida</i> morphogenesis and host-pathogen interactions. <i>Current Opinion in Microbiology</i> , 2004, 7, 350-357.	5.1	174
75	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.	2.1	76
76	Transcription Profiling of <i>Candida albicans</i> Cells Undergoing the Yeast-to-Hyphal Transition. <i>Molecular Biology of the Cell</i> , 2002, 13, 3452-3465.	2.1	346
77	Correlation between virulence of <i>Candida albicans</i> mutants in mice and <i>Galleria mellonella</i> larvae. <i>FEMS Immunology and Medical Microbiology</i> , 2002, 34, 153-157.	2.7	8
78	A novel type 2C protein phosphatase from the human fungal pathogen <i>Candida albicans</i> . <i>FEBS Letters</i> , 2001, 509, 142-144.	2.8	27
79	Molecular cloning of the CRM1 gene from <i>Candida albicans</i> . <i>Yeast</i> , 2000, 16, 531-538.	1.7	3
80	Interaction of a G-protein β -subunit with a conserved sequence in Ste20/PAK family protein kinases. <i>Nature</i> , 1998, 391, 191-195.	27.8	209
81	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.	2.0	24
82	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.	1.8	36
83	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.	1.8	2
84	Roles of the <i>Candida albicans</i> Mitogen-Activated Protein Kinase Homolog, Cek1p, in Hyphal Development and Systemic Candidiasis. <i>Infection and Immunity</i> , 1998, 66, 2713-2721.	2.2	313
85	Derepressed Hyphal Growth and Reduced Virulence in a VH1 Family-related Protein Phosphatase Mutant of the Human Pathogen <i>Candida albicans</i> . <i>Molecular Biology of the Cell</i> , 1997, 8, 2539-2551.	2.1	105
86	Expression and pharmacological characterization of the human M1 muscarinic receptor in <i>Saccharomyces cerevisiae</i> . <i>FEBS Letters</i> , 1990, 266, 21-25.	2.8	51
87	Microarrays for Studying Pathogenicity in <i>Candida Albicans</i> . , 0, , 181-209.		18
88	Signal Transduction in the Interactions of Fungal Pathogens and Mammalian Hosts. , 0, , 143-162.		2