

Carol Anne Munro

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Population genetics and microevolution of clinical <i>Candida glabrata</i> reveals recombinant sequence types and hyper-variation within mitochondrial genomes, virulence genes, and drug targets. <i>Genetics</i> , 2022, 221, .	1.2	11
2	Monoclonal Antibodies Targeting Surface-Exposed Epitopes of <i>Candida albicans</i> Cell Wall Proteins Confer <i>In Vivo</i> Protection in an Infection Model. <i>Antimicrobial Agents and Chemotherapy</i> , 2022, 66, e0195721.	1.4	4
3	Biomarkers of caspofungin resistance in <i>Candida albicans</i> isolates: A proteomic approach. <i>Virulence</i> , 2022, 13, 1005-1018.	1.8	6
4	Yeast pathogenesis and drug resistance: the beauty of the BYeast. <i>FEMS Yeast Research</i> , 2022, 22, .	1.1	0
5	Virulence traits and differential translocation of gut-derived <i>Candida albicans</i> . <i>Access Microbiology</i> , 2022, 4, .	0.2	0
6	The impact of the Fungus-Host-Microbiota interplay upon <i>Candida albicans</i> infections: current knowledge and new perspectives. <i>FEMS Microbiology Reviews</i> , 2021, 45, .	3.9	139
7	Fungal cell wall: An underexploited target for antifungal therapies. <i>PLoS Pathogens</i> , 2021, 17, e1009470.	2.1	42
8	Preliminary Characterization of NP339, a Novel Polyarginine Peptide with Broad Antifungal Activity. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, e0234520.	1.4	10
9	Fungal Cell Wall Proteins and Signaling Pathways Form a Cytoprotective Network to Combat Stresses. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 739.	1.5	24
10	Neutralisation of SARS-CoV-2 by anatomical embalming solutions. <i>Journal of Anatomy</i> , 2021, 239, 1221-1225.	0.9	5
11	Monoclonal Human Antibodies That Recognise the Exposed N and C Terminal Regions of the Often-Overlooked SARS-CoV-2 ORF3a Transmembrane Protein. <i>Viruses</i> , 2021, 13, 2201.	1.5	4
12	Complement-Mediated Differential Immune Response of Human Macrophages to <i>Sporothrix</i> Species Through Interaction With Their Cell Wall Peptidorhamnomannans. <i>Frontiers in Immunology</i> , 2021, 12, 749074.	2.2	9
13	Caspofungin Induced Cell Wall Changes of <i>Candida</i> Species Influences Macrophage Interactions. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 164.	1.8	32
14	Host Responses in an Ex Vivo Human Skin Model Challenged With <i>Malassezia sympodialis</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 561382.	1.8	8
15	Inhibition of Classical and Alternative Modes of Respiration in <i>Candida albicans</i> Leads to Cell Wall Remodeling and Increased Macrophage Recognition. <i>MBio</i> , 2019, 10, .	1.8	53
16	The potential of respiration inhibition as a new approach to combat human fungal pathogens. <i>Current Genetics</i> , 2019, 65, 1347-1353.	0.8	35
17	High Resolution Respirometry in <i>Candida albicans</i> . <i>Bio-protocol</i> , 2019, 9, e3361.	0.2	2
18	Mitogen activated protein kinases (MAPK) and protein phosphatases are involved in <i>Aspergillus fumigatus</i> adhesion and biofilm formation. <i>Cell Surface</i> , 2018, 1, 43-56.	1.5	20

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19	Hypoxia Promotes Immune Evasion by Triggering β -Glucan Masking on the <i>Candida albicans</i> Cell Surface via Mitochondrial and cAMP-Protein Kinase A Signaling. <i>MBio</i> , 2018, 9, .	1.8	105
20	Defects in intracellular trafficking of fungal cell wall synthases lead to aberrant host immune recognition. <i>PLoS Pathogens</i> , 2018, 14, e1007126.	2.1	44
21	Methodologies for in vitro and in vivo evaluation of efficacy of antifungal and antibiofilm agents and surface coatings against fungal biofilms. <i>Microbial Cell</i> , 2018, 5, 300-326.	1.4	81
22	Systematic gene overexpression in <i>Candida albicans</i> identifies a regulator of early adaptation to the mammalian gut. <i>Cellular Microbiology</i> , 2018, 20, e12890.	1.1	50
23	Generating genomic platforms to study <i>Candida albicans</i> pathogenesis. <i>Nucleic Acids Research</i> , 2018, 46, 6935-6949.	6.5	30
24	Cell walls of the dimorphic fungal pathogens <i>Sporothrix schenckii</i> and <i>Sporothrix brasiliensis</i> exhibit bilaminar structures and sloughing of extensive and intact layers. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006169.	1.3	56
25	Unlocking the Therapeutic Potential of the Fungal Cell Wall: Clinical Implications and Drug Resistance. , 2017, , 313-346.		5
26	Rim Pathway-Mediated Alterations in the Fungal Cell Wall Influence Immune Recognition and Inflammation. <i>MBio</i> , 2017, 8, .	1.8	42
27	The Fungal Cell Wall: Structure, Biosynthesis, and Function. <i>Microbiology Spectrum</i> , 2017, 5, .	1.2	736
28	Lactate signalling regulates fungal β -glucan masking and immune evasion. <i>Nature Microbiology</i> , 2017, 2, 16238.	5.9	197
29	Sfp1 and Rtg3 reciprocally modulate carbon source-conditional stress adaptation in the pathogenic yeast <i>Candida albicans</i> . <i>Molecular Microbiology</i> , 2017, 105, 620-636.	1.2	21
30	Elevated catalase expression in a fungal pathogen is a double-edged sword of iron. <i>PLoS Pathogens</i> , 2017, 13, e1006405.	2.1	43
31	A Prospective Surveillance Study of <i>Candidaemia</i> : Epidemiology, Risk Factors, Antifungal Treatment and Outcome in Hospitalized Patients. <i>Frontiers in Microbiology</i> , 2016, 7, 915.	1.5	60
32	Integrating <i>Candida albicans</i> metabolism with biofilm heterogeneity by transcriptome mapping. <i>Scientific Reports</i> , 2016, 6, 35436.	1.6	39
33	Virulence profile: Carol Munro. <i>Virulence</i> , 2016, 7, 729-731.	1.8	0
34	Contribution of Fdh3 and Glr1 to Glutathione Redox State, Stress Adaptation and Virulence in <i>Candida albicans</i> . <i>PLoS ONE</i> , 2015, 10, e0126940.	1.1	35
35	The <i>Aspergillus fumigatus</i> sitA Phosphatase Homologue Is Important for Adhesion, Cell Wall Integrity, Biofilm Formation, and Virulence. <i>Eukaryotic Cell</i> , 2015, 14, 728-744.	3.4	66
36	Cell Wall Remodeling Enzymes Modulate Fungal Cell Wall Elasticity and Osmotic Stress Resistance. <i>MBio</i> , 2015, 6, e00986.	1.8	169

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37	Caspofungin Treatment of <i>Aspergillus fumigatus</i> Results in ChsG-Dependent Upregulation of Chitin Synthesis and the Formation of Chitin-Rich Microcolonies. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 5932-5941.	1.4	66
38	The pH-Responsive PacC Transcription Factor of <i>Aspergillus fumigatus</i> Governs Epithelial Entry and Tissue Invasion during Pulmonary Aspergillosis. <i>PLoS Pathogens</i> , 2014, 10, e1004413.	2.1	151
39	Targeted Changes of the Cell Wall Proteome Influence <i>Candida albicans</i> Ability to Form Single- and Multi-strain Biofilms. <i>PLoS Pathogens</i> , 2014, 10, e1004542.	2.1	54
40	<i>Candida albicans</i> Hypha Formation and Mannan Masking of β -Glucan Inhibit Macrophage Phagosome Maturation. <i>MBio</i> , 2014, 5, e01874.	1.8	138
41	<i>O</i> -Mannosylation in <i>Candida albicans</i> Enables Development of Interkingdom Biofilm Communities. <i>MBio</i> , 2014, 5, e00911.	1.8	64
42	Extracellular DNA release confers heterogeneity in <i>Candida albicans</i> biofilm formation. <i>BMC Microbiology</i> , 2014, 14, 303.	1.3	53
43	Modulation of <i>Alternaria infectoria</i> Cell Wall Chitin and Glucan Synthesis by Cell Wall Synthase Inhibitors. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 2894-2904.	1.4	28
44	Carbon Metabolism in Pathogenic Yeasts (Especially <i>Candida</i>): The Role of Cell Wall Metabolism in Virulence. , 2014, , 141-167.		0
45	Determination of chitin content in fungal cell wall: An alternative flow cytometric method. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2013, 83A, 324-328.	1.1	47
46	Chitin and Glucan, the Yin and Yang of the Fungal Cell Wall, Implications for Antifungal Drug Discovery and Therapy. <i>Advances in Applied Microbiology</i> , 2013, 83, 145-172.	1.3	62
47	Elevated Chitin Content Reduces the Susceptibility of <i>Candida</i> Species to Caspofungin. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 146-154.	1.4	156
48	Genomic Insights into the Atopic Eczema-Associated Skin Commensal Yeast <i>Malassezia sympodialis</i> . <i>MBio</i> , 2013, 4, e00572-12.	1.8	118
49	Differential Adaptation of <i>Candida albicans</i> In Vivo Modulates Immune Recognition by Dectin-1. <i>PLoS Pathogens</i> , 2013, 9, e1003315.	2.1	181
50	Cell wall stress induces alternative fungal cytokinesis and septation strategies. <i>Journal of Cell Science</i> , 2013, 126, 2668-77.	1.2	36
51	Anti- <i>Candida</i> Targets and Cytotoxicity of Casuarinin Isolated from <i>Plinia cauliflora</i> Leaves in a Bioactivity-Guided Study. <i>Molecules</i> , 2013, 18, 8095-8108.	1.7	16
52	Hsp90 Orchestrates Transcriptional Regulation by Hsf1 and Cell Wall Remodelling by MAPK Signalling during Thermal Adaptation in a Pathogenic Yeast. <i>PLoS Pathogens</i> , 2012, 8, e1003069.	2.1	102
53	Elevated Cell Wall Chitin in <i>Candida albicans</i> Confers Echinocandin Resistance <i>In Vivo</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 208-217.	1.4	181
54	The Evolutionary Rewiring of Ubiquitination Targets Has Reprogrammed the Regulation of Carbon Assimilation in the Pathogenic Yeast <i>Candida albicans</i> . <i>MBio</i> , 2012, 3, .	1.8	102

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55	Echinocandin resistance in human pathogenic fungi. <i>Expert Review of Anti-Infective Therapy</i> , 2012, 10, 115-116.	2.0	8
56	Echinocandin resistance due to simultaneous FKS mutation and increased cell wall chitin in a <i>Candida albicans</i> bloodstream isolate following brief exposure to caspofungin. <i>Journal of Medical Microbiology</i> , 2012, 61, 1330-1334.	0.7	34
57	Carbon source-induced reprogramming of the cell wall proteome and secretome modulates the adherence and drug resistance of the fungal pathogen <i>Candida albicans</i> . <i>Proteomics</i> , 2012, 12, 3164-3179.	1.3	142
58	Isolation and functional characterization of <i>Sporothrix schenckii</i> ROT2, the encoding gene for the endoplasmic reticulum glucosidase II. <i>Fungal Biology</i> , 2012, 116, 910-918.	1.1	23
59	Modular Gene Over-expression Strategies for <i>Candida albicans</i> . <i>Methods in Molecular Biology</i> , 2012, 845, 227-244.	0.4	18
60	Recognition and Blocking of Innate Immunity Cells by <i>Candida albicans</i> Chitin. <i>Infection and Immunity</i> , 2011, 79, 1961-1970.	1.0	172
61	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
62	Phosphorylation regulates polarisation of chitin synthesis in <i>Candida albicans</i> . <i>Journal of Cell Science</i> , 2010, 123, 2199-2206.	1.2	33
63	<i>Pseudomonas aeruginosa</i> secreted factors impair biofilm development in <i>Candida albicans</i> . <i>Microbiology (United Kingdom)</i> , 2010, 156, 1476-1486.	0.7	73
64	Chitin synthesis and fungal pathogenesis. <i>Current Opinion in Microbiology</i> , 2010, 13, 416-423.	2.3	363
65	Fungal echinocandin resistance. <i>Fungal Genetics and Biology</i> , 2010, 47, 117-126.	0.9	228
66	Melanin Externalization in <i>Candida albicans</i> Depends on Cell Wall Chitin Structures. <i>Eukaryotic Cell</i> , 2010, 9, 1329-1342.	3.4	85
67	<i>Candida albicans</i> Cell Wall Mediated Virulence. , 2010, , 69-95.		2
68	Fungal echinocandin resistance. <i>F1000 Biology Reports</i> , 2010, 2, 66.	4.0	10
69	Property Differences among the Four Major <i>Candida albicans</i> Strain Clades. <i>Eukaryotic Cell</i> , 2009, 8, 373-387.	3.4	138
70	Dissection of the <i>Candida albicans</i> class I chitin synthase promoters. <i>Molecular Genetics and Genomics</i> , 2009, 281, 459-71.	1.0	30
71	Evolution of pathogenicity and sexual reproduction in eight <i>Candida</i> genomes. <i>Nature</i> , 2009, 459, 657-662.	13.7	963
72	Genome sequence and analysis of the Irish potato famine pathogen <i>Phytophthora infestans</i> . <i>Nature</i> , 2009, 461, 393-398.	13.7	1,405

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73	Comparative genomics of the fungal pathogens <i>Candida dubliniensis</i> and <i>Candida albicans</i> . <i>Genome Research</i> , 2009, 19, 2231-2244.	2.4	195
74	Generating cell surface diversity in <i>Candida albicans</i> and other fungal pathogens. <i>FEMS Microbiology Letters</i> , 2008, 285, 137-145.	0.7	44
75	Functional analysis of <i>Candida albicans</i> GPI-anchored proteins: Roles in cell wall integrity and caspofungin sensitivity. <i>Fungal Genetics and Biology</i> , 2008, 45, 1404-1414.	0.9	212
76	Stimulation of Chitin Synthesis Rescues <i>Candida albicans</i> from Echinocandins. <i>PLoS Pathogens</i> , 2008, 4, e1000040.	2.1	351
77	Immune Recognition of <i>Candida albicans</i> β -glucan by Dectin-1. <i>Journal of Infectious Diseases</i> , 2007, 196, 1565-1571.	1.9	277
78	The PKC, HOG and Ca ²⁺ signalling pathways co-ordinately regulate chitin synthesis in <i>Candida albicans</i> . <i>Molecular Microbiology</i> , 2007, 63, 1399-1413.	1.2	285
79	Individual chitin synthase enzymes synthesize microfibrils of differing structure at specific locations in the <i>Candida albicans</i> cell wall. <i>Molecular Microbiology</i> , 2007, 66, 1164-1173.	1.2	79
80	Outer Chain N-Glycans Are Required for Cell Wall Integrity and Virulence of <i>Candida albicans</i> . <i>Journal of Biological Chemistry</i> , 2006, 281, 90-98.	1.6	214
81	Immune sensing of <i>Candida albicans</i> requires cooperative recognition of mannans and glucans by lectin and Toll-like receptors. <i>Journal of Clinical Investigation</i> , 2006, 116, 1642-1650.	3.9	632
82	A Human-Curated Annotation of the <i>Candida albicans</i> Genome. <i>PLoS Genetics</i> , 2005, 1, e1.	1.5	293
83	Mnt1p and Mnt2p of <i>Candida albicans</i> Are Partially Redundant α -1,2-Mannosyltransferases That Participate in O-Linked Mannosylation and Are Required for Adhesion and Virulence. <i>Journal of Biological Chemistry</i> , 2005, 280, 1051-1060.	1.6	173
84	<i>Candida albicans</i> Pmr1p, a Secretory Pathway P-type Ca ²⁺ /Mn ²⁺ -ATPase, Is Required for Glycosylation and Virulence. <i>Journal of Biological Chemistry</i> , 2005, 280, 23408-23415.	1.6	167
85	Independent regulation of chitin synthase and chitinase activity in <i>Candida albicans</i> and <i>Saccharomyces cerevisiae</i> . <i>Microbiology (United Kingdom)</i> , 2004, 150, 921-928.	0.7	87
86	<i>Candida albicans</i> mutants in the BNI4 gene have reduced cell-wall chitin and alterations in morphogenesis. <i>Microbiology (United Kingdom)</i> , 2004, 150, 3243-3252.	0.7	11
87	Loss of Cell Wall Mannosylphosphate in <i>Candida albicans</i> Does Not Influence Macrophage Recognition. <i>Journal of Biological Chemistry</i> , 2004, 279, 39628-39635.	1.6	123
88	Chs1 of <i>Candida albicans</i> is an essential chitin synthase required for synthesis of the septum and for cell integrity. <i>Molecular Microbiology</i> , 2004, 39, 1414-1426.	1.2	130
89	CHS8 is a fourth chitin synthase gene of <i>Candida albicans</i> contributes to in vitro chitin synthase activity, but is dispensable for growth. <i>Fungal Genetics and Biology</i> , 2003, 40, 146-158.	0.9	74
90	The zygomycetous fungus, <i>Benjaminiella poitrasii</i> contains a large family of differentially regulated chitin synthase genes. <i>Fungal Genetics and Biology</i> , 2002, 36, 215-223.	0.9	22

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91	Anti-fungal therapy at the HAART of viral therapy. Trends in Microbiology, 2002, 10, 173-177.	3.5	54
92	Influence of the rumen anaerobic fungus Neocallimastix frontalis on the proteolytic activity of a defined mixture of rumen bacteria growing on a solid substrate. Letters in Applied Microbiology, 1986, 3, 23-26.	1.0	28
93	The Fungal Cell Wall: Structure, Biosynthesis, and Function. , 0, , 267-292.		65
94	The Cell Wall: Glycoproteins, Remodeling, and Regulation. , 0, , 195-223.		5
95	Cool Tools 5: The Candida albicans ORFeome Project. , 0, , 505-510.		1