Patrick Van Dijck

List of Publications by Year
in descending order

171 papers	11,198 citations	22153 59 h-index	34986 98 g-index
179 all docs	179 docs citations	179 times ranked	12406 citing authors

#	Article	IF	Citations
1	Trehalose metabolism in plants. Plant Journal, 2014, 79, 544-567.	5.7	464
2	Environmental Sensing and Signal Transduction Pathways Regulating Morphopathogenic Determinants of <i>Candida albicans</i>. Microbiology and Molecular Biology Reviews, 2007, 71, 348-376.	6.6	457
3	Molecular mechanisms of antimicrobial tolerance and resistance in bacterial and fungal biofilms. Trends in Microbiology, 2014, 22, 326-333.	7.7	404
4	A Saccharomyces cerevisiae G-protein coupled receptor, Gpr1, is specifically required for glucose activation of the cAMP pathway during the transition to growth on glucose. Molecular Microbiology, 1999, 32, 1002-1012.	2.5	339
5	The Arabidopsis Trehalose-6-P Synthase AtTPS1 Gene Is a Regulator of Glucose, Abscisic Acid, and Stress Signaling. Plant Physiology, 2004, 136, 3649-3659.	4.8	333
6	Disrupted function and axonal distribution of mutant tyrosyl-tRNA synthetase in dominant intermediate Charcot-Marie-Tooth neuropathy. Nature Genetics, 2006, 38, 197-202.	21.4	323
7	Recent insights into Candida albicans biofilm resistance mechanisms. Current Genetics, 2013, 59, 251-264.	1.7	230
8	Heterozygous missense mutations in SMARCA2 cause Nicolaides-Baraitser syndrome. Nature Genetics, 2012, 44, 445-449.	21.4	207
9	An unexpected plethora of trehalose biosynthesis genes in Arabidopsis thaliana. Trends in Plant Science, 2001, 6, 510-513.	8.8	204
10	Commensal Protection of Staphylococcus aureus against Antimicrobials by Candida albicans Biofilm Matrix. MBio, 2016, 7, .	4.1	202
11	Glucose and Sucrose Act as Agonist and Mannose as Antagonist Ligands of the G Protein-Coupled Receptor Gpr1 in the Yeast Saccharomyces cerevisiae. Molecular Cell, 2004, 16, 293-299.	9.7	190
12	Improved drought tolerance without undesired side effects in transgenic plants producing trehalose. Plant Molecular Biology, 2007, 64, 371-386.	3.9	189
13	The G Protein-coupled Receptor Gpr1 and the GÎ± Protein Gpa2 Act through the cAMP-Protein Kinase A Pathway to Induce Morphogenesis inCandida albicans. Molecular Biology of the Cell, 2005, 16, 1971-1986.	2.1	188
14	Trehalose is required for the acquisition of tolerance to a variety of stresses in the filamentous fungus Aspergillus nidulans The GenBank accession number for the sequence reported in this paper is AF043230.. Microbiology (United Kingdom), 2001, 147, 1851-1862.	1.8	187
15	The<i>PDE1</i>-encoded Low-Affinity Phosphodiesterase in the Yeast<i>Saccharomyces cerevisiae</i>Has a Specific Function in Controlling Agonist-induced cAMP Signaling. Molecular Biology of the Cell, 1999, 10, 91-104.	2.1	183
16	A bifunctional TPSâ€"TPP enzyme from yeast confers tolerance to multiple and extreme abiotic-stress conditions in transgenic Arabidopsis. Planta, 2007, 226, 1411-1421.	3.2	183
17	Diversity in Genetic <i>In Vivo</i> Methods for Protein-Protein Interaction Studies: from the Yeast Two-Hybrid System to the Mammalian Split-Luciferase System. Microbiology and Molecular Biology Reviews, 2012, 76, 331-382.	6.6	172
18	A Selaginella lepidophyllaTrehalose-6-Phosphate Synthase Complements Growth and Stress-Tolerance Defects in a Yeasttps1Mutant1. Plant Physiology, 1999, 119, 1473-1482.	4.8	164

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19	Fine tuning of trehalose biosynthesis and hydrolysis as novel tools for the generation of abiotic stress tolerant plants. Frontiers in Plant Science, 2014, 5, 147.	3.6	145
20	Aquaporin Expression Correlates with Freeze Tolerance in Baker's Yeast, and Overexpression Improves Freeze Tolerance in Industrial Strains. Applied and Environmental Microbiology, 2002, 68, 5981-5989.	3.1	138
21	A Single Active Trehalose-6-P Synthase (TPS) and a Family of Putative Regulatory TPS-Like Proteins in Arabidopsis. Molecular Plant, 2010, 3, 406-419.	8.3	134
22	Glucose and sucrose: hazardous fast-food for industrial yeast?. Trends in Biotechnology, 2004, 22, 531-537.	9.3	132
23	Extensive expression regulation and lack of heterologous enzymatic activity of the Class II trehalose metabolism proteins from <i>Arabidopsis thaliana</i>. Plant, Cell and Environment, 2009, 32, 1015-1032.	5.7	131
24	Molecular cloning of a gene involved in glucose sensing in the yeast Saccharomyces cerevisiae. Molecular Microbiology, 1993, 8, 927-943.	2.5	130
25	Real-time PCR expression profiling of genes encoding potential virulence factors in Candida albicans biofilms: identification of model-dependent and -independent gene expression. BMC Microbiology, 2010, 10, 114.	3.3	127
26	Amphotericin B and Other Polyenesâ€"Discovery, Clinical Use, Mode of Action and Drug Resistance. Journal of Fungi (Basel, Switzerland), 2020, 6, 321.	3.5	126
27	Nutrient-induced signal transduction through the protein kinase A pathway and its role in the control of metabolism, stress resistance, and growth in yeast. Enzyme and Microbial Technology, 2000, 26, 819-825.	3.2	122
28	Expansive Evolution of the TREHALOSE-6-PHOSPHATE PHOSPHATASE Gene Family in Arabidopsis Â. Plant Physiology, 2012, 160, 884-896.	4.8	120
29	Overexpression of the Trehalase Gene <i>AtTRE1</i> Leads to Increased Drought Stress Tolerance in Arabidopsis and Is Involved in Abscisic Acid-Induced Stomatal Closure Â Â. Plant Physiology, 2013, 161, 1158-1171.	4.8	117
30	Potent Synergistic Effect of Doxycycline with Fluconazole against Candida albicans Is Mediated by Interference with Iron Homeostasis. Antimicrobial Agents and Chemotherapy, 2012, 56, 3785-3796.	3.2	113
31	Candida albicans and Staphylococcus Species: A Threatening Twosome. Frontiers in Microbiology, 2019, 10, 2162.	3.5	112
32	Innovative Strategies Toward the Disassembly of the EPS Matrix in Bacterial Biofilms. Frontiers in Microbiology, 2020, 11, 952.	3.5	112
33	Disruption of the Candida albicans TPS2 Gene Encoding Trehalose-6-Phosphate Phosphatase Decreases Infectivity without Affecting Hypha Formation. Infection and Immunity, 2002, 70, 1772-1782.	2.2	104
34	Detailed comparison of Candida albicans and Candida glabrata biofilms under different conditions and their susceptibility to caspofungin and anidulafungin. Journal of Medical Microbiology, 2011, 60, 1261-1269.	1.8	103
35	Isolation and Characterization of Brewer's Yeast Variants with Improved Fermentation Performance under High-Gravity Conditions. Applied and Environmental Microbiology, 2007, 73, 815-824.	3.1	102
36	Loss-of-function mutations in HINT1 cause axonal neuropathy with neuromyotonia. Nature Genetics, 2012, 44, 1080-1083.	21.4	102

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37	Candida albicans biofilm formation in a new in vivo rat model. Microbiology (United Kingdom), 2010, 156, 909-919.	1.8	97
38	Dominant mutations in the tyrosyl-tRNA synthetase gene recapitulate in <i>Drosophila</i> features of human Charcotâ€"Marieâ€"Tooth neuropathy. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 11782-11787.	7.1	96
39	ABI4 mediates the effects of exogenous trehalose on Arabidopsis growth and starch breakdown. Plant Molecular Biology, 2007, 63, 195-206.	3.9	93
40	<i>Candida</i>Biofilms and the Host: Models and New Concepts for Eradication. International Journal of Microbiology, 2012, 2012, 1-16.	2.3	85
41	Fungal persister cells: The basis for recalcitrant infections?. PLoS Pathogens, 2018, 14, e1007301.	4.7	85
42	Truncation of Arabidopsis thaliana and Selaginella lepidophylla trehalose-6-phosphate synthase unlocks high catalytic activity and supports high trehalose levels on expression in yeast. Biochemical Journal, 2002, 366, 63-71.	3.7	84
43	Single-Molecule Imaging and Functional Analysis of Als Adhesins and Mannans during Candida albicans Morphogenesis. ACS Nano, 2012, 6, 10950-10964.	14.6	84
44	Single-cell force spectroscopy of the medically important Staphylococcus epidermidisâ€"Candida albicans interaction. Nanoscale, 2013, 5, 10894.	5.6	82
45	Methodologies for in vitro and in vivo evaluation of efficacy of antifungal and antibiofilm agents and surface coatings against fungal biofilms. Microbial Cell, 2018, 5, 300-326.	3.2	81
46	Sticky Matrix: Adhesion Mechanism of the Staphylococcal Polysaccharide Intercellular Adhesin. ACS Nano, 2016, 10, 3443-3452.	14.6	80
47	Trehalose-6-phosphate synthase 1 is not the only active TPS in <i>Arabidopsis thaliana</i>. Biochemical Journal, 2015, 466, 283-290.	3.7	77
48	Determinants of Freeze Tolerance in Microorganisms, Physiological Importance, and Biotechnological Applications. Advances in Applied Microbiology, 2003, 53, 129-176.	2.4	76
49	Adhesins in Candida glabrata. Journal of Fungi (Basel, Switzerland), 2018, 4, 60.	3.5	75
50	Genome-Wide Analysis of Experimentally Evolved Candida auris Reveals Multiple Novel Mechanisms of Multidrug Resistance. MBio, 2021, 12, .	4.1	75
51	Relevance of Trehalose in Pathogenicity: Some General Rules, Yet Many Exceptions. PLoS Pathogens, 2013, 9, e1003447.	4.7	74
52	Clinical Implications of Oral Candidiasis: Host Tissue Damage and Disseminated Bacterial Disease. Infection and Immunity, 2015, 83, 604-613.	2.2	73
53	Modulation of Staphylococcus aureus Response to Antimicrobials by the Candida albicans Quorum Sensing Molecule Farnesol. Antimicrobial Agents and Chemotherapy, 2017, 61, .	3.2	73
54	Fungal G-protein-coupled receptors: mediators of pathogenesis and targets for disease control. Nature Microbiology, 2018, 3, 402-414.	13.3	72

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55	Candidalysin Crucially Contributes to Nlrp3 Inflammasome Activation by Candida albicans Hyphae. MBio, 2019, 10, .	4.1	70
56	Covalent immobilization of antimicrobial agents on titanium prevents<i>Staphylococcus aureus</i>and<i>Candida albicans</i>colonization and biofilm formation. Journal of Antimicrobial Chemotherapy, 2016, 71, 936-945.	3.0	68
57	Isolation and Characterization of a Freeze-Tolerant Diploid Derivative of an Industrial Baker's Yeast Strain and Its Use in Frozen Doughs. Applied and Environmental Microbiology, 2002, 68, 4780-4787.	3.1	67
58	In Vivo Efficacy of Anidulafungin against Mature Candida albicans Biofilms in a Novel Rat Model of Catheter-Associated Candidiasis. Antimicrobial Agents and Chemotherapy, 2010, 54, 4474-4475.	3.2	66
59	Impact of nanosystems in <i>Staphylococcus aureus</i> biofilms treatment. FEMS Microbiology Reviews, 2019, 43, 622-641.	8.6	64
60	Duplication of a promiscuous transcription factor drives the emergence of a new regulatory network. Nature Communications, 2014, 5, 4868.	12.8	63
61	Sugar Sensing and Signaling in Candida albicans and Candida glabrata. Frontiers in Microbiology, 2019, 10, 99.	3.5	63
62	Transcription Factor Arabidopsis Activating Factor1 Integrates Carbon Starvation Responses with Trehalose Metabolism. Plant Physiology, 2015, 169, 379-390.	4.8	62
63	The Nonsteroidal Antiinflammatory Drug Diclofenac Potentiates the In Vivo Activity of Caspofungin Against Candida albicans Biofilms. Journal of Infectious Diseases, 2012, 206, 1790-1797.	4.0	60
64	Transformation of tobacco with an Arabidopsis thaliana gene involved in trehalose biosynthesis increases tolerance to several abiotic stresses. Euphytica, 2005, 146, 165-176.	1.2	58
65	Mitogen-Activated Protein Kinase Cross-Talk Interaction Modulates the Production of Melanins in Aspergillus fumigatus. MBio, 2019, 10, .	4.1	56
66	Adapting to survive: How Candida overcomes host-imposed constraints during human colonization. PLoS Pathogens, 2020, 16, e1008478.	4.7	56
67	Expression of Escherichia coli otsA in a Saccharomyces cerevisiae tps1 mutant restores trehalose 6-phosphate levels and partly restores growth and fermentation with glucose and control of glucose influx into glycolysis. Biochemical Journal, 2000, 350, 261-268.	3.7	54
68	The Cytophaga hutchinsonii ChTPSP: First Characterized Bifunctional TPSâ€"TPP Protein as Putative Ancestor of All Eukaryotic Trehalose Biosynthesis Proteins. Molecular Biology and Evolution, 2010, 27, 359-369.	8.9	53
69	Towards nonâ€invasive monitoring of pathogenâ€"host interactions during <i> <scp>C</scp> andida albicans </i> biofilm formation using <i>in vivo</i> bioluminescence. Cellular Microbiology, 2014, 16, 115-130.	2.1	50
70	Quantifying the Forces Driving Cellâ€"Cell Adhesion in a Fungal Pathogen. Langmuir, 2013, 29, 13473-13480.	3.5	49
71	Force Nanoscopy of Hydrophobic Interactions in the Fungal Pathogen <i>Candida glabrata</i>. ACS Nano, 2015, 9, 1648-1655.	14.6	48
72	In vivo Candida glabrata biofilm development on foreign bodies in a rat subcutaneous model. Journal of Antimicrobial Chemotherapy, 2015, 70, 846-856.	3.0	46

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73	Antifungal Activity and Synergism with Azoles of Polish Propolis. Pathogens, 2018, 7, 56.	2.8	43
74	A mutation in Saccharomyces cerevisiae adenylate cyclase, Cyr1K1876M, specifically affects glucose- and acidification-induced cAMP signalling and not the basal cAMP level. Molecular Microbiology, 1999, 33, 363-376.	2.5	41
75	The antifungal caspofungin increases fluoroquinolone activity against Staphylococcus aureus biofilms by inhibiting N-acetylglucosamine transferase. Nature Communications, 2016, 7, 13286.	12.8	41
76	Uncoupling of the glucose growth defect and the deregulation of glycolysis in Saccharomyces cerevisiae tps1 mutants expressing trehalose-6-phosphate-insensitive hexokinase from Schizosaccharomyces pombe. Biochimica Et Biophysica Acta - Bioenergetics, 2003, 1606, 83-93.	1.0	40
77	Activities of Systemically Administered Echinocandins against In Vivo Mature Candida albicans Biofilms Developed in a Rat Subcutaneous Model. Antimicrobial Agents and Chemotherapy, 2013, 57, 2365-2368.	3.2	40
78	Identification of Hexose Transporter-Like Sensor <i>HXS1</i> and Functional Hexose Transporter <i>HXT1</i> in the Methylotrophic Yeast <i>Hansenula polymorpha</i>. Eukaryotic Cell, 2008, 7, 735-746.	3.4	39
79	Therapeutic implications of <i>C. albicans-S. aureus</i> mixed biofilm in a murine subcutaneous catheter model of polymicrobial infection. Virulence, 2021, 12, 835-851.	4.4	37
80	The Antifungal Plant Defensin HsAFP1 Is a Phosphatidic Acid-Interacting Peptide Inducing Membrane Permeabilization. Frontiers in Microbiology, 2017, 8, 2295.	3.5	36
81	Deletion ofSFI1, a novel suppressor of partial Ras-cAMP pathway deficiency in the yeastSaccharomyces cerevisiae, causes G2 arrest. Yeast, 1999, 15, 1097-1109.	1.7	35
82	The desiccation tolerant secrets of Selaginella lepidophylla: What we have learned so far?. Plant Physiology and Biochemistry, 2014, 80, 285-290.	5.8	35
83	Analysis and modification of trehalose 6-phosphate levels in the yeast Saccharomyces cerevisiae with the use of Bacillus subtilis phosphotrehalase. Biochemical Journal, 2001, 353, 157-162.	3.7	34
84	Combined Inactivation of the <i>Candida albicans GPR1</i> and <i>TPS2</i> Genes Results in Avirulence in a Mouse Model for Systemic Infection. Infection and Immunity, 2008, 76, 1686-1694.	2.2	34
85	The Candida albicans GAP Gene Family Encodes Permeases Involved in General and Specific Amino Acid Uptake and Sensing. Eukaryotic Cell, 2011, 10, 1219-1229.	3.4	34
86	Characterization of a new set of mutants deficient in fermentation-induced loss of stress resistance for use in frozen dough applications. International Journal of Food Microbiology, 2000, 55, 187-192.	4.7	32
87	The high general stress resistance of the <i>Saccharomyces cerevisiae fil1</i> adenylate cyclase mutant (Cyr1^{Lys1682}) is only partially dependent on trehalose, Hsp104 and overexpression of Msn2/4â€regulated genes. Yeast, 2004, 21, 75-86.	1.7	32
88	Microbial cell surface proteins and secreted metabolites involved in multispecies biofilms. Pathogens and Disease, 2014, 70, 219-230.	2.0	32
89	A CUG codon adapted two-hybrid system for the pathogenic fungus Candida albicans. Nucleic Acids Research, 2010, 38, e184-e184.	14.5	31
90	Mitochondrial Cochaperone Mge1 Is Involved in Regulating Susceptibility to Fluconazole in Saccharomyces cerevisiae and Candida Species. MBio, 2017, 8, .	4.1	31

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91	Candida glabrataâ€™s Genome Plasticity Confers a Unique Pattern of Expressed Cell Wall Proteins. Journal of Fungi (Basel, Switzerland), 2018, 4, 67.	3.5	31
92	Metabolic engineering of Kluyveromyces lactis for L-ascorbic acid (vitamin C) biosynthesis. Microbial Cell Factories, 2013, 12, 59.	4.0	30
93	A Linear 19-Mer Plant Defensin-Derived Peptide Acts Synergistically with Caspofungin against Candida albicans Biofilms. Frontiers in Microbiology, 2017, 8, 2051.	3.5	30
94	Generating genomic platforms to study Candida albicans pathogenesis. Nucleic Acids Research, 2018, 46, 6935-6949.	14.5	30
95	Antibacterial activity of a new broadâ€spectrum antibiotic covalently bound to titanium surfaces. Journal of Orthopaedic Research, 2016, 34, 2191-2198.	2.3	29
96	The Heat-Induced Molecular Disaggregase Hsp104 of Candida albicans Plays a Role in Biofilm Formation and Pathogenicity in a Worm Infection Model. Eukaryotic Cell, 2012, 11, 1012-1020.	3.4	28
97	Methionine is required for cAMPâ€PKAâ€mediated morphogenesis and virulence of <i>Candida albicans</i>. Molecular Microbiology, 2018, 108, 258-275.	2.5	28
98	Trehalose-6-P synthase AtTPS1 high molecular weight complexes in yeast and Arabidopsis. Plant Science, 2007, 173, 426-437.	3.6	27
99	Trehalose-6-phosphate synthase as an intrinsic selection marker for plant transformation. Journal of Biotechnology, 2006, 121, 309-317.	3.8	26
100	Essential oils and their components are a class of antifungals with potent vapour-phase-mediated anti-Candida activity. Scientific Reports, 2018, 8, 3958.	3.3	25
101	Adhesion of Staphylococcus aureus to Candida albicans During Co-Infection Promotes Bacterial Dissemination Through the Host Immune Response. Frontiers in Cellular and Infection Microbiology, 2020, 10, 624839.	3.9	25
102	Tight Control of Trehalose Content Is Required for Efficient Heat-induced Cell Elongation in Candida albicans. Journal of Biological Chemistry, 2012, 287, 36873-36882.	3.4	24
103	Candida albicans Biofilm Development on Medically-relevant Foreign Bodies in a Mouse Subcutaneous Model Followed by Bioluminescence Imaging. Journal of Visualized Experiments, 2015, , 52239.	0.3	24
104	Nutrient Sensing at the Plasma Membrane of Fungal Cells. Microbiology Spectrum, 2017, 5, .	3.0	24
105	Bioluminescence Imaging of Fungal Biofilm Development in Live Animals. Methods in Molecular Biology, 2014, 1098, 153-167.	0.9	24
106	Characterization of the Candida albicans Amino Acid Permease Family: Gap2 Is the Only General Amino Acid Permease and Gap4 Is an <i>S</i> -Adenosylmethionine (SAM) Transporter Required for SAM-Induced Morphogenesis. MSphere, 2016, 1, .	2.9	23
107	Anidulafungin increases the antibacterial activity of tigecycline in polymicrobial Candida albicans/Staphylococcus aureus biofilms on intraperitoneally implanted foreign bodies. Journal of Antimicrobial Chemotherapy, 2018, 73, 2806-2814.	3.0	23
108	Occurrence, antifungal susceptibility, and virulence factors of opportunistic yeasts isolated from Brazilian beaches. Memorias Do Instituto Oswaldo Cruz, 2019, 114, e180566.	1.6	23

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109	Oral Administration of the Broad-Spectrum Antibiofilm Compound Toremifene Inhibits Candida albicans and Staphylococcus aureus Biofilm Formation <i>In Vivo</i>. Antimicrobial Agents and Chemotherapy, 2014, 58, 7606-7610.	3.2	22
110	Monitoring of Fluconazole and Caspofungin Activity against <i>In Vivo</i> Candida glabrata Biofilms by Bioluminescence Imaging. Antimicrobial Agents and Chemotherapy, 2019, 63, .	3.2	22
111	Can Saccharomyces cerevisiae keep up as a model system in fungal azole susceptibility research?. Drug Resistance Updates, 2019, 42, 22-34.	14.4	21
112	Microbial Interkingdom Biofilms and the Quest for Novel Therapeutic Strategies. Microorganisms, 2021, 9, 412.	3.6	21
113	Candida albicans Pde1p and Gpa2p comprise a regulatory module mediating agonist-induced cAMP signalling and environmental adaptation. Fungal Genetics and Biology, 2010, 47, 742-752.	2.1	20
114	Redundant and non-redundant roles of the trehalose-6-phosphate phosphatases in leaf growth, root hair specification and energy-responses in Arabidopsis. Plant Signaling and Behavior, 2013, 8, e23209.	2.4	20
115	Biofilm inhibiting properties of compounds from the leaves of Warburgia ugandensis Sprague subsp ugandensis against Candida and staphylococcal biofilms. Journal of Ethnopharmacology, 2020, 248, 112352.	4.1	20
116	Expression of Escherichia coli otsA in a Saccharomyces cerevisiae tps1 mutant restores trehalose 6-phosphate levels and partly restores growth and fermentation with glucose and control of glucose influx into glycolysis. Biochemical Journal, 2000, 350, 261.	3.7	19
117	Nutrient sensing G protein-coupled receptors: interesting targets for antifungals?. Medical Mycology, 2009, 47, 671-680.	0.7	19
118	Functional screening of a cDNA library from the desiccation-tolerant plant Selaginella lepidophylla in yeast mutants identifies trehalose biosynthesis genes of plant and microbial origin. Journal of Plant Research, 2014, 127, 803-813.	2.4	19
119	The Role of Fatty Acid Metabolites in Vaginal Health and Disease: Application to Candidiasis. Frontiers in Microbiology, 2021, 12, 705779.	3.5	19
120	Transcription factor Efg1 contributes to the tolerance of Candida albicans biofilms against antifungal agents in vitro and in vivo. Journal of Medical Microbiology, 2012, 61, 813-819.	1.8	18
121	Modulation of the Substitution Pattern of 5-Aryl-2-Aminoimidazoles Allows Fine-Tuning of Their Antibiofilm Activity Spectrum and Toxicity. Antimicrobial Agents and Chemotherapy, 2016, 60, 6483-6497.	3.2	18
122	Trehalose metabolism: A sweet spot for <i>Burkholderia pseudomallei</i> virulence. Virulence, 2017, 8, 5-7.	4.4	18
123	Bioluminescence imaging increases in vivo screening efficiency for antifungal activity against device-associated Candida albicans biofilms. International Journal of Antimicrobial Agents, 2018, 52, 42-51.	2.5	18
124	Ascorbic Acid Inhibition of Candida albicans Hsp90-Mediated Morphogenesis Occurs via the Transcriptional Regulator Upc2. Eukaryotic Cell, 2014, 13, 1278-1289.	3.4	17
125	Characterising atypical Candida albicans clinical isolates from six third-level hospitals in BogotÃ¡, Colombia. BMC Microbiology, 2015, 15, 199.	3.3	17
126	Lipid Signaling via Pkh1/2 Regulates Fungal CO ₂ Sensing through the Kinase Sch9. MBio, 2017, 8, .	4.1	17

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127	Striking essential oil: tapping into a largely unexplored source for drug discovery. Scientific Reports, 2020, 10, 2867.	3.3	17
128	Inhibitory Activity of Essential Oils against Vibrio campbellii and Vibrio parahaemolyticus. Microorganisms, 2020, 8, 1946.	3.6	16
129	Transcriptional responses of Candida glabrata biofilm cells to fluconazole are modulated by the carbon source. Npj Biofilms and Microbiomes, 2020, 6, 4.	6.4	16
130	Mammalian ribosomal and chaperone protein RPS3A counteracts Î±-synuclein aggregation and toxicity in a yeast model system. Biochemical Journal, 2013, 455, 295-306.	3.7	15
131	Molecular Elucidation of Riboflavin Production and Regulation in Candida albicans, toward a Novel Antifungal Drug Target. MSphere, 2020, 5, .	2.9	15
132	Interesting antifungal drug targets in the central metabolism of Candida albicans. Trends in Pharmacological Sciences, 2022, 43, 69-79.	8.7	15
133	Introducing fluorescence resonance energy transfer-based biosensors for the analysis of cAMP-PKA signalling in the fungal pathogen Candida glabrata. Cellular Microbiology, 2018, 20, e12863.	2.1	14
134	A High-Throughput <i>Candida albicans</i> Two-Hybrid System. MSphere, 2018, 3, .	2.9	13
135	Comparison of genome engineering using the CRISPR-Cas9 system in C. glabrata wild-type and lig4 strains. Fungal Genetics and Biology, 2017, 107, 44-50.	2.1	12
136	Antifungal Activity of Oleylphosphocholine on <i>In Vitro</i> and <i>In Vivo Candida albicans</i> Biofilms. Antimicrobial Agents and Chemotherapy, 2018, 62, .	3.2	12
137	Protein-Protein Interactions in Candida albicans. Frontiers in Microbiology, 2019, 10, 1792.	3.5	12
138	A Cinderella story: how the vacuolar proteases Pep4 and Prb1 do more than cleaning up the cellâ€™s mass degradation processes. Microbial Cell, 2018, 5, 438-443.	3.2	12
139	Deletion of the DNA Ligase IV Gene in Candida glabrata Significantly Increases Gene-Targeting Efficiency. Eukaryotic Cell, 2015, 14, 783-791.	3.4	11
140	A Bimolecular Fluorescence Complementation Tool for Identification of Protein-Protein Interactions in <i>Candida albicans</i>. G3: Genes, Genomes, Genetics, 2017, 7, 3509-3520.	1.8	11
141	A Framework for Understanding the Evasion of Host Immunity by Candida Biofilms. Frontiers in Immunology, 2018, 9, 538.	4.8	11
142	An antibiofilm coating of 5â€arylâ€2â€aminoimidazole covalently attached to a titanium surface. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2019, 107, 1908-1919.	3.4	11
143	Sugar Phosphorylation Controls Carbon Source Utilization and Virulence of Candida albicans. Frontiers in Microbiology, 2020, 11, 1274.	3.5	11
144	Analysis and modification of trehalose 6-phosphate levels in the yeast Saccharomyces cerevisiae with the use of Bacillus subtilis phosphotrehalase. Biochemical Journal, 2000, 353, 157.	3.7	10

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145	A specific mutation in Saccharomyces cerevisiae adenylate cyclase, Cyr1K1876M, eliminates glucose- and acidification-induced cAMP signalling and delays glucose-induced loss of stress resistance. International Journal of Food Microbiology, 2000, 55, 103-107.	4.7	10
146	Assay and recommendations for the detection of vapourâ€phaseâ€mediated antimicrobial activities. Flavour and Fragrance Journal, 2017, 32, 347-353.	2.6	10
147	Fire blight host-pathogen interaction: proteome profiles of Erwinia amylovora infecting apple rootstocks. Scientific Reports, 2018, 8, 11689.	3.3	10
148	Letâ€™s shine a light on fungal infections: A noninvasive imaging toolbox. PLoS Pathogens, 2020, 16, e1008257.	4.7	10
149	Essential Oils Improve the Survival of Gnotobiotic Brine Shrimp (Artemia franciscana) Challenged With Vibrio campbellii. Frontiers in Immunology, 2021, 12, 693932.	4.8	10
150	Inhibition of Vesicular Transport Influences Fungal Susceptibility to Fluconazole. Antimicrobial Agents and Chemotherapy, 2019, 63, .	3.2	9
151	The involvement of the <i>Candida glabrata</i> trehalase enzymes in stress resistance and gut colonization. Virulence, 2021, 12, 329-345.	4.4	9
152	Functional Characterization of Class I Trehalose Biosynthesis Genes in Physcomitrella patens. Frontiers in Plant Science, 2019, 10, 1694.	3.6	8
153	<i>N</i>-Acetyl-<scp>l</scp>-cysteine-Loaded Nanosystems as a Promising Therapeutic Approach Toward the Eradication of <i>Pseudomonas aeruginosa</i> Biofilms. ACS Applied Materials & Interfaces, 2021, 13, 42329-42343.	8.0	8
154	Diagnostic Allele-Specific PCR for the Identification of Candida auris Clades. Journal of Fungi (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.5	8
155	Three-Dimensional Visualization of APEX2-Tagged Erg11 in Saccharomyces cerevisiae Using Focused Ion Beam Scanning Electron Microscopy. MSphere, 2020, 5, .	2.9	7
156	Presenting a codon-optimized palette of fluorescent proteins for use in Candida albicans. Scientific Reports, 2020, 10, 6158.	3.3	7
157	Bioluminescence Imaging to Study Mature Biofilm Formation by Candida spp. and Antifungal Activity In Vitro and In Vivo. Methods in Molecular Biology, 2020, 2081, 127-143.	0.9	6
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