Christophe d'Enfert

List of Publications by Year
in descending order

121 papers	13,692 citations	41344 49 h-index	23533 111 g-index
128 all docs	128 docs citations	128 times ranked	18259 citing authors

#	Article	IF	Citations
1	A SARS-CoV-2 protein interaction map reveals targets for drug repurposing. Nature, 2020, 583, 459-468.	27.8	3,542
2	Sequencing of Aspergillus nidulans and comparative analysis with A. fumigatus and A. oryzae. Nature, 2005, 438, 1105-1115.	27.8	1,250
3	Genome sequencing and analysis of the versatile cell factory Aspergillus niger CBS 513.88. Nature Biotechnology, 2007, 25, 221-231.	17.5	1,047
4	Candida albicans Biofilms: a Developmental State Associated With Specific and Stable Gene Expression Patterns. Eukaryotic Cell, 2004, 3, 536-545.	3.4	343
5	A Human-Curated Annotation of the Candida albicans Genome. PLoS Genetics, 2005, 1, e1.	3.5	293
6	Molecular Phylogenetics of Candida albicans. Eukaryotic Cell, 2007, 6, 1041-1052.	3.4	285
7	Genotypic Evolution of Azole Resistance Mechanisms in Sequential <i>Candida albicans</i> Isolates. Eukaryotic Cell, 2007, 6, 1889-1904.	3.4	268
8	Stage-specific gene expression of Candida albicans in human blood. Molecular Microbiology, 2003, 47, 1523-1543.	2.5	216
9	Development of a homologous transformation system for the human pathogenic fungus Aspergillus fumigatus based on the pyrG gene encoding orotidine 5â€²â€²-monophosphate decarboxylase. Current Genetics, 1998, 33, 378-385.	1.7	207
10	Transcript profiling in Candida albicans reveals new cellular functions for the transcriptional repressors CaTup1, CaMig1 and CaNrg1. Molecular Microbiology, 2001, 42, 981-993.	2.5	207
11	Fungal Spore Germination: Insights from the Molecular Genetics ofAspergillus nidulansandNeurospora crassa. Fungal Genetics and Biology, 1997, 21, 163-172.	2.1	192
12	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
13	Candidemia and candiduria in critically ill patients admitted to intensive care units in France: incidence, molecular diversity, management and outcome. Intensive Care Medicine, 2008, 34, 292-299.	8.2	182
14	Selection of multiple disruption events in Aspergillus fumigatus using the orotidine-5â€²-decarboxylase gene, pyrG, as a unique transformation marker. Current Genetics, 1996, 30, 76-82.	1.7	181
15	cAMP and ras signalling independently control spore germination in the filamentous fungus Aspergillus nidulans. Molecular Microbiology, 2002, 44, 1001-1016.	2.5	170
16	Interaction of <i>Candida albicans</i> Biofilms with Antifungals: Transcriptional Response and Binding of Antifungals to Beta-Glucans. Antimicrobial Agents and Chemotherapy, 2010, 54, 2096-2111.	3.2	165
17	Systematic Phenotyping of a Large-Scale Candida glabrata Deletion Collection Reveals Novel Antifungal Tolerance Genes. PLoS Pathogens, 2014, 10, e1004211.	4.7	155
18	The impact of the Fungus-Host-Microbiota interplay upon<i>Candida albicans</i>infections: current knowledge and new perspectives. FEMS Microbiology Reviews, 2021, 45, .	8.6	139

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19	G-protein and cAMP-mediated signaling in aspergilli: A genomic perspective. Fungal Genetics and Biology, 2006, 43, 490-502.	2.1	131
20	Contribution of the glycolytic flux and hypoxia adaptation to efficient biofilm formation by <i>Candida albicans</i>. Molecular Microbiology, 2011, 80, 995-1013.	2.5	131
21	Gene flow contributes to diversification of the major fungal pathogen Candida albicans. Nature Communications, 2018, 9, 2253.	12.8	131
22	<i>Candida albicans</i>internalization by host cells is mediated by a clathrin-dependent mechanism. Cellular Microbiology, 2009, 11, 1179-1189.	2.1	128
23	A Multifunctional, Synthetic <i>Gaussia princeps</i> Luciferase Reporter for Live Imaging of <i>Candida albicans</i> Infections. Infection and Immunity, 2009, 77, 4847-4858.	2.2	123
24	The Yak1p kinase controls expression of adhesins and biofilm formation in Candida glabrata in a Sir4p-dependent pathway. Molecular Microbiology, 2004, 55, 1259-1271.	2.5	119
25	<i>Candida albicans</i>commensalism in the gastrointestinal tract. FEMS Yeast Research, 2015, 15, fov081.	2.3	119
26	The Heterotrimeric G-Protein GanB(Î±)-SfaD(Î²)-GpgA(Î³) Is a Carbon Source Sensor Involved in Early cAMP-Dependent Germination in Aspergillus nidulans. Genetics, 2005, 171, 71-80.	2.9	118
27	Biofilms and their Role in the Resistance of Pathogenic Candida to Antifungal Agents. Current Drug Targets, 2006, 7, 465-670.	2.1	118
28	Molecular characterization of the Aspergillus nidulans treA gene encoding an acid trehalase required for growth on trehalose. Molecular Microbiology, 1997, 24, 203-216.	2.5	110
29	Multilocus sequence typing of Candida albicans: strategies, data exchange and applications. Infection, Genetics and Evolution, 2004, 4, 243-252.	2.3	104
30	A Versatile Overexpression Strategy in the Pathogenic Yeast Candida albicans: Identification of Regulators of Morphogenesis and Fitness. PLoS ONE, 2012, 7, e45912.	2.5	103
31	Neutral trehalases catalyse intracellular trehalose breakdown in the filamentous fungi Aspergillus nidulans and Neurospora crassa. Molecular Microbiology, 1999, 32, 471-483.	2.5	101
32	Candida albicans biofilms: building a heterogeneous, drug-tolerant environment. Current Opinion in Microbiology, 2013, 16, 398-403.	5.1	93
33	Candida albicans Is Not Always the Preferential Yeast Colonizing Humans: A Study in Wayampi Amerindians. Journal of Infectious Diseases, 2013, 208, 1705-1716.	4.0	84
34	Correlation between Biofilm Formation and the Hypoxic Response in <i>Candida parapsilosis</i>. Eukaryotic Cell, 2009, 8, 550-559.	3.4	83
35	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
36	Comparative Transcript Profiling of Candida albicans and Candida dubliniensis Identifies <i>SFL2</i> , a C. albicans Gene Required for Virulence in a Reconstituted Epithelial Infection Model. Eukaryotic Cell, 2010, 9, 251-265.	3.4	78

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37	Hidden killers: persistence of opportunistic fungal pathogens in the human host. Current Opinion in Microbiology, 2009, 12, 358-364.	5.1	74
38	A Î²-glucan-conjugate vaccine and anti-Î²-glucan antibodies are effective against murine vaginal candidiasis as assessed by a novel in vivo imaging technique. Vaccine, 2010, 28, 1717-1725.	3.8	74
39	Gymnemic Acids Inhibit Hyphal Growth and Virulence in Candida albicans. PLoS ONE, 2013, 8, e74189.	2.5	68
40	Microevolution of Candida albicans in Macrophages Restores Filamentation in a Nonfilamentous Mutant. PLoS Genetics, 2014, 10, e1004824.	3.5	67
41	Glycerol dehydrogenase, encoded by gldB is essential for osmotolerance in Aspergillus nidulans. Molecular Microbiology, 2003, 49, 131-141.	2.5	62
42	Identification of Essential Genes in the Human Fungal Pathogen Aspergillus fumigatus by Transposon Mutagenesis. Eukaryotic Cell, 2003, 2, 247-255.	3.4	61
43	The Yak1 Kinase Is Involved in the Initiation and Maintenance of Hyphal Growth in<i>Candida albicans</i>. Molecular Biology of the Cell, 2008, 19, 2251-2266.	2.1	59
44	Molecular and physiological characterization of the NAD-dependent glycerol 3-phosphate dehydrogenase in the filamentous fungus Aspergillus nidulans. Molecular Microbiology, 2001, 39, 145-157.	2.5	58
45	Mating is rare within as well as between clades of the human pathogen Candida albicans. Fungal Genetics and Biology, 2008, 45, 221-231.	2.1	58
46	Multilocus Sequence Typing Reveals that the Population Structure of <i>Candida dubliniensis</i> Is Significantly Less Divergent than That of <i>Candida albicans</i>. Journal of Clinical Microbiology, 2008, 46, 652-664.	3.9	57
47	Genetic Diversity among Korean Candida albicans Bloodstream Isolates: Assessment by Multilocus Sequence Typing and Restriction Endonuclease Analysis of Genomic DNA by Use of BssHII. Journal of Clinical Microbiology, 2011, 49, 2572-2577.	3.9	57
48	The GPI-modified proteins Pga59 and Pga62 of Candida albicans are required for cell wall integrity. Microbiology (United Kingdom), 2009, 155, 2004-2020.	1.8	56
49	Ultravioletâ€C Light for Treatment of <i>Candida albicans</i> Burn Infection in Mice. Photochemistry and Photobiology, 2011, 87, 342-349.	2.5	55
50	Studying fungal pathogens of humans and fungal infections: fungal diversity and diversity of approaches. Genes and Immunity, 2019, 20, 403-414.	4.1	55
51	Targeted Changes of the Cell Wall Proteome Influence Candida albicans Ability to Form Single- and Multi-strain Biofilms. PLoS Pathogens, 2014, 10, e1004542.	4.7	54
52	Loss of heterozygosity in commensal isolates of the asexual diploid yeast Candida albicans. Fungal Genetics and Biology, 2009, 46, 159-168.	2.1	53
53	A Comprehensive Functional Portrait of Two Heat Shock Factor-Type Transcriptional Regulators Involved in Candida albicans Morphogenesis and Virulence. PLoS Pathogens, 2013, 9, e1003519.	4.7	53
54	The SUN41 and SUN42 genes are essential for cell separation in Candida albicans. Molecular Microbiology, 2007, 66, 1256-1275.	2.5	52

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55	Of mice, flies â€“ and men? Comparing fungal infection models for large-scale screening efforts. DMM Disease Models and Mechanisms, 2015, 8, 473-486.	2.4	52
56	Systematic gene overexpression in<i>Candida albicans</i>identifies a regulator of early adaptation to the mammalian gut. Cellular Microbiology, 2018, 20, e12890.	2.1	50
57	One Small Step for a Yeast - Microevolution within Macrophages Renders Candida glabrata Hypervirulent Due to a Single Point Mutation. PLoS Pathogens, 2014, 10, e1004478.	4.7	49
58	Characterization of Essential Genes by Parasexual Genetics in the Human Fungal Pathogen <i>Aspergillus fumigatus</i>: Impact of Genomic Rearrangements Associated With Electroporation of DNA. Genetics, 2002, 161, 1077-1087.	2.9	47
59	Synergy of the antibiotic colistin with echinocandin antifungals in Candida species. Journal of Antimicrobial Chemotherapy, 2013, 68, 1285-1296.	3.0	44
60	Azole resistance in a Candida albicans mutant lacking the ABC transporter CDR6/ROA1 depends on TOR signaling. Journal of Biological Chemistry, 2018, 293, 412-432.	3.4	42
61	Combined bacterial and fungal intestinal microbiota analyses: Impact of storage conditions and DNA extraction protocols. PLoS ONE, 2018, 13, e0201174.	2.5	41
62	Endocytosis-Mediated Vacuolar Accumulation of the Human ApoE Apolipoprotein-Derived ApoEdpL-W Antimicrobial Peptide Contributes to Its Antifungal Activity in Candida albicans. Antimicrobial Agents and Chemotherapy, 2011, 55, 4670-4681.	3.2	39
63	A study of the <scp>DNA</scp> damage checkpoint in <i><scp>C</scp>andida albicans</i>: uncoupling of the functions of <scp>Rad</scp>53 in <scp>DNA</scp> repair, cell cycle regulation and genotoxic stressâ€induced polarized growth. Molecular Microbiology, 2014, 91, 452-471.	2.5	39
64	The NDR/LATS Kinase Cbk1 Controls the Activity of the Transcriptional Regulator Bcr1 during Biofilm Formation in Candida albicans. PLoS Pathogens, 2012, 8, e1002683.	4.7	36
65	New regulators of biofilm development in Candida glabrata. Research in Microbiology, 2012, 163, 297-307.	2.1	36
66	Candida albicans: An Emerging Yeast Model to Study Eukaryotic Genome Plasticity. Trends in Genetics, 2019, 35, 292-307.	6.7	35
67	Protein O- Mannosyltransferase Isoforms Regulate Biofilm Formation in Candida albicans. Antimicrobial Agents and Chemotherapy, 2006, 50, 3488-3491.	3.2	34
68	SUN Proteins Belong to a Novel Family of Î²-(1,3)-Glucan-modifying Enzymes Involved in Fungal Morphogenesis. Journal of Biological Chemistry, 2013, 288, 13387-13396.	3.4	34
69	A novel bioluminescence mouse model for monitoring oropharyngeal candidiasis in mice. Virulence, 2013, 4, 250-254.	4.4	33
70	Biofilm formation in<i>Candida glabrata</i>: What have we learnt from functional genomics approaches?. FEMS Yeast Research, 2016, 16, fov111.	2.3	32
71	<i>Candida albicans</i>is able to use M cells as a portal of entry across the intestinal barrier<i>in vitro</i>. Cellular Microbiology, 2016, 18, 195-210.	2.1	32
72	The Transposon impala Is Activated by Low Temperatures: Use of a Controlled Transposition System To Identify Genes Critical for Viability of Aspergillus fumigatus. Eukaryotic Cell, 2010, 9, 438-448.	3.4	31

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73	Analysis of Repair Mechanisms following an Induced Double-Strand Break Uncovers Recessive Deleterious Alleles in the Candida albicans Diploid Genome. MBio, 2016, 7, .	4.1	31
74	From Genes to Networks: The Regulatory Circuitry Controlling Candida albicans Morphogenesis. Current Topics in Microbiology and Immunology, 2018, 422, 61-99.	1.1	30
75	Generating genomic platforms to study Candida albicans pathogenesis. Nucleic Acids Research, 2018, 46, 6935-6949.	14.5	30
76	Within-Host Genomic Diversity of Candida albicans in Healthy Carriers. Scientific Reports, 2019, 9, 2563.	3.3	30
77	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.	4.1	28
78	Pleiotropic effects of the vacuolar ABC transporter MLT1 of Candida albicans on cell function and virulence. Biochemical Journal, 2016, 473, 1537-1552.	3.7	28
79	Studying fungal pathogens of humans and fungal infections: fungal diversity and diversity of approaches. Microbes and Infection, 2019, 21, 237-245.	1.9	28
80	Rbt1 Protein Domains Analysis in Candida albicans Brings Insights into Hyphal Surface Modifications and Rbt1 Potential Role during Adhesion and Biofilm Formation. PLoS ONE, 2013, 8, e82395.	2.5	26
81	Multilocus sequence typing of Candida albicans isolates from animals. Research in Microbiology, 2008, 159, 436-440.	2.1	25
82	Bioluminescent fungi for real-time monitoring of fungal infections. Virulence, 2010, 1, 174-176.	4.4	24
83	The Candida albicans biofilm gene circuit modulated at the chromatin level by a recent molecular histone innovation. PLoS Biology, 2019, 17, e3000422.	5.6	22
84	Using a Multi-Locus Microsatellite Typing method improved phylogenetic distribution of Candida albicans isolates but failed to demonstrate association of some genotype with the commensal or clinical origin of the isolates. Infection, Genetics and Evolution, 2012, 12, 1949-1957.	2.3	21
85	The twoâ€component response regulator Skn7 belongs to a network of transcription factors regulating morphogenesis in <i>Candida albicans</i> and independently limits morphogenesisâ€induced ROS accumulation. Molecular Microbiology, 2017, 106, 157-182.	2.5	20
86	Tracing the Origin of Invasive Fungal Infections. Trends in Microbiology, 2020, 28, 240-242.	7.7	20
87	A FACS-Optimized Screen Identifies Regulators of Genome Stability in Candida albicans. Eukaryotic Cell, 2015, 14, 311-322.	3.4	19
88	A standardized toolkit for genetic engineering of CTG clade yeasts. Journal of Microbiological Methods, 2018, 144, 152-156.	1.6	19
89	Identifying essential genes in fungal pathogens of humans. Trends in Microbiology, 2002, 10, 456-462.	7.7	18
90	Modular Gene Over-expression Strategies for Candida albicans. Methods in Molecular Biology, 2012, 845, 227-244.	0.9	18

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91	<i>Candida albicans</i> Biofilms Are Generally Devoid of Persister Cells. Antimicrobial Agents and Chemotherapy, 2019, 63, .	3.2	18
92	Candidalysins Are a New Family of Cytolytic Fungal Peptide Toxins. MBio, 2022, 13, e0351021.	4.1	18
93	Genetic Differences between Avian and Human Isolates ofCandida dubliniensis. Emerging Infectious Diseases, 2009, 15, 1467-1470.	4.3	16
94	A Single Nucleotide Polymorphism Uncovers a Novel Function for the Transcription Factor Ace2 during Candida albicans Hyphal Development. PLoS Genetics, 2015, 11, e1005152.	3.5	16
95	Candida albicans commensalism in the oral mucosa is favoured by limited virulence and metabolic adaptation. PLoS Pathogens, 2022, 18, e1010012.	4.7	14
96	A Luciferase Reporter for Gene Expression Studies and Dynamic Imaging of Superficial Candida albicans Infections. Methods in Molecular Biology, 2012, 845, 537-546.	0.9	13
97	A High-Throughput <i>Candida albicans</i> Two-Hybrid System. MSphere, 2018, 3, .	2.9	13
98	Large-scale genome mining allows identification of neutral polymorphisms and novel resistance mutations in genes involved in Candida albicans resistance to azoles and echinocandins. Journal of Antimicrobial Chemotherapy, 2020, 75, 835-848.	3.0	13
99	Involvement of amyloid proteins in the formation of biofilms in the pathogenic yeast Candida albicans. Research in Microbiology, 2021, 172, 103813.	2.1	13
100	Multilocus sequence typing for the analysis of clonality among Candida albicans strains from a neonatal intensive care unit. Medical Mycology, 2014, 52, 653-658.	0.7	12
101	Overexpression approaches to advance understanding of <i>Candida albicans</i>. Molecular Microbiology, 2022, 117, 589-599.	2.5	12
102	Phosphatidylinositol-dependent phospholipases C Plc2 and Plc3 of Candida albicans are dispensable for morphogenesis and hostâ€“pathogen interaction. Research in Microbiology, 2005, 156, 822-829.	2.1	10
103	Comparison of E,E-Farnesol Secretion and the Clinical Characteristics of Candida albicans Bloodstream Isolates from Different Multilocus Sequence Typing Clades. PLoS ONE, 2016, 11, e0148400.	2.5	10
104	Use of CRISPR-Cas9 To Target Homologous Recombination Limits Transformation-Induced Genomic Changes in Candida albicans. MSphere, 2020, 5, .	2.9	10
105	A conserved regulator controls asexual sporulation in the fungal pathogen Candida albicans. Nature Communications, 2020, 11, 6224.	12.8	10
106	Regulators of commensal and pathogenic lifeâ€styles of an opportunistic fungusâ€"<scp><i>Candida albicans</i></scp>. Yeast, 2021, 38, 243-250.	1.7	10
107	Spatiotemporal dynamics of calcium signals during neutrophil cluster formation. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	8
108	Shedding natural light on fungal infections. Virulence, 2012, 3, 15-17.	4.4	6

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109	A conserved fungal hub protein involved in adhesion and drug resistance in the human pathogen Candida albicans. Cell Surface, 2018, 4, 10-19.	3.0	6
110	Membrane protective role of autophagic machinery during infection of epithelial cells by <i>Candida albicans</i>. Gut Microbes, 2022, 14, 2004798.	9.8	6
111	Identification of Recessive Lethal Alleles in the Diploid Genome of a Candida albicans Laboratory Strain Unveils a Potential Role of Repetitive Sequences in Buffering Their Deleterious Impact. MSphere, 2019, 4, .	2.9	5
112	Antifungal Activity of Fused Mannich Ketones Triggers an Oxidative Stress Response and Is Cap1-Dependent in Candida albicans. PLoS ONE, 2013, 8, e62142.	2.5	4
113	A protocol for ultrastructural study of Candida albicans biofilm using transmission electron microscopy. STAR Protocols, 2022, 3, 101514.	1.2	4
114	Biofilm Formation Studies in Microtiter Plate Format. Methods in Molecular Biology, 2012, 845, 369-377.	0.9	2
115	Evolving a pathogen to be protective. Science, 2018, 362, 523-524.	12.6	2
116	Adenosine Triphosphate Released by Candida albicans Is Associated with Reduced Skin Infectivity. Journal of Investigative Dermatology, 2021, 141, 2306-2310.	0.7	2
117	Factors that influence bidirectional long-tract homozygosis due to double-strand break repair in <i>Candida albicans</i>. Genetics, 2021, 218, .	2.9	1
118	Cool Tools 5: The Candida albicans ORFeome Project. , 0, , 505-510.		1
119	ChIP-SICAP: A New Tool to Explore Gene-Regulatory Networks in Candida albicans and Other Yeasts. Methods in Molecular Biology, 2022, 2477, 149-175.	0.9	1
120	Multiple Stochastic Parameters Influence Genome Dynamics in a Heterozygous Diploid Eukaryotic Model. Journal of Fungi (Basel, Switzerland), 2022, 8, 650.	3.5	1
121	Ethylzingerone, a Novel Compound with Antifungal Activity. Antimicrobial Agents and Chemotherapy, 2021, 65, .	3.2	0