Richard J Bennett

List of Publications by Year
in descending order

68 papers	3,901 citations	136950 32 h-index	133252 59 g-index
71 all docs	71 docs citations	71 times ranked	3121 citing authors

#	Article	IF	Citations
1	<i>In vitro</i> model of pulmonary candidiasis for testing novel therapeutics. FASEB Journal, 2022, 36, .	0.5	0
2	Candida albicans oscillating UME6 expression during intestinal colonization primes systemic Th17 protective immunity. Cell Reports, 2022, 39, 110837.	6.4	17
3	Comparative genomics of white and opaque cell states supports an epigenetic mechanism of phenotypic switching in <i>Candida albicans</i>. G3: Genes, Genomes, Genetics, 2021, 11, .	1.8	10
4	Intraspecies Transcriptional Profiling Reveals Key Regulators of Candida albicans Pathogenic Traits. MBio, 2021, 12, .	4.1	14
5	Adaptation to the dietary sugar D-tagatose via genome instability in polyploid Candida albicans cells. G3: Genes, Genomes, Genetics, 2021, 11, .	1.8	4
6	Candida albicans Isolates 529L and CHN1 Exhibit Stable Colonization of the Murine Gastrointestinal Tract. MBio, 2021, 12, e0287821.	4.1	21
7	The Impact of Gene Dosage and Heterozygosity on the Diploid Pathobiont Candida albicans. Journal of Fungi (Basel, Switzerland), 2020, 6, 10.	3.5	23
8	Epigenetic cell fate in Candida albicans is controlled by transcription factor condensates acting at super-enhancer-like elements. Nature Microbiology, 2020, 5, 1374-1389.	13.3	34
9	A â€˜parameiosisâ€™ drives depolyploidization and homologous recombination in Candida albicans. Nature Communications, 2019, 10, 4388.	12.8	30
10	Mechanisms of genome evolution in Candida albicans. Current Opinion in Microbiology, 2019, 52, 47-54.	5.1	26
11	Genetic Modification of Closely Related Candida Species. Frontiers in Microbiology, 2019, 10, 357.	3.5	15
12	Hemizygosity Enables a Mutational Transition Governing Fungal Virulence and Commensalism. Cell Host and Microbe, 2019, 25, 418-431.e6.	11.0	63
13	Monitoring Phenotypic Switching inCandida albicansand the Use of Nextâ€Gen Fluorescence Reporters. Current Protocols in Microbiology, 2019, 53, e76.	6.5	11
14	Metabolismâ€induced oxidative stress and DNA damage selectively trigger genome instability in polyploid fungal cells. EMBO Journal, 2019, 38, e101597.	7.8	41
15	The Genome of the Human Pathogen <i>Candida albicans</i> Is Shaped by Mutation and Cryptic Sexual Recombination. MBio, 2018, 9, .	4.1	63
16	Characterization of PdCP1, a serine carboxypeptidase from <i>Pseudogymnoascus destructans</i>, the causal agent of White-nose Syndrome. Biological Chemistry, 2018, 399, 1375-1388.	2.5	6
17	Galleria mellonella as an insect model for P. destructans, the cause of White-nose Syndrome in bats. PLoS ONE, 2018, 13, e0201915.	2.5	11
18	Global analysis of mutations driving microevolution of a heterozygous diploid fungal pathogen. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E8688-E8697.	7.1	109

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19	Antifungal tolerance is a subpopulation effect distinct from resistance and is associated with persistent candidemia. Nature Communications, 2018, 9, 2470.	12.8	175
20	A coupled process of same- and opposite-sex mating generates polyploidy and genetic diversity in Candida tropicalis. PLoS Genetics, 2018, 14, e1007377.	3.5	14
21	Parasex Generates Phenotypic Diversity <i>de Novo</i> and Impacts Drug Resistance and Virulence in <i>Candida albicans</i>. Genetics, 2017, 207, 1195-1211.	2.9	41
22	Negative regulation of filamentous growth in <i>CandidaÂalbicans</i> by Dig1p. Molecular Microbiology, 2017, 105, 810-824.	2.5	10
23	Development of a CRISPR-Cas9 System for Efficient Genome Editing of Candida lusitaniae. MSphere, 2017, 2, .	2.9	24
24	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.	7.1	16
25	A chromosome 4 trisomy contributes to increased fluconazole resistance in a clinical isolate of Candida albicans. Microbiology (United Kingdom), 2017, 163, 856-865.	1.8	39
26	Phenotypic Plasticity Regulates Candida albicans Interactions and Virulence in the Vertebrate Host. Frontiers in Microbiology, 2016, 7, 780.	3.5	36
27	A Multistate Toggle Switch Defines Fungal Cell Fates and Is Regulated by Synergistic Genetic Cues. PLoS Genetics, 2016, 12, e1006353.	3.5	25
28	Deletion of a Yci1 Domain Protein of Candida albicans Allows Homothallic Mating in <i>MTL</i> Heterozygous Cells. MBio, 2016, 7, e00465-16.	4.1	14
29	Fungal Sex: The <i>Ascomycota</i>. Microbiology Spectrum, 2016, 4, .	3.0	50
30	Phenotypic Profiling Reveals that Candida albicans Opaque Cells Represent a Metabolically Specialized Cell State Compared to Default White Cells. MBio, 2016, 7, .	4.1	43
31	Systematic Genetic Screen for Transcriptional Regulators of the <i>Candida albicans</i> White-Opaque Switch. Genetics, 2016, 203, 1679-1692.	2.9	33
32	Evolutionary Selection on Barrier Activity: Bar1 Is an Aspartyl Protease with Novel Substrate Specificity. MBio, 2015, 6, e01604-15.	4.1	8
33	Candida albicans Kinesin Kar3 Depends on a Cik1-Like Regulatory Partner Protein for Its Roles in Mating, Cell Morphogenesis, and Bipolar Spindle Formation. Eukaryotic Cell, 2015, 14, 755-774.	3.4	5
34	Finding a Missing Gene: <i>EFG1</i> Regulates Morphogenesis in <i>Candida tropicalis</i>. G3: Genes, Genomes, Genetics, 2015, 5, 849-856.	1.8	40
35	The parasexual lifestyle of Candida albicans. Current Opinion in Microbiology, 2015, 28, 10-17.	5.1	67
36	Destructin-1 is a collagen-degrading endopeptidase secreted by <i>Pseudogymnoascus destructans</i>, the causative agent of white-nose syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 7478-7483.	7.1	68

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37	Genetic and phenotypic intra-species variation in <i>Candida albicans</i>. Genome Research, 2015, 25, 413-425.	5.5	305
38	Convergent evolution of a fused sexual cycle promotes the haploid lifestyle. Nature, 2014, 506, 387-390.	27.8	41
39	The cryptic sexual strategies of human fungal pathogens. Nature Reviews Microbiology, 2014, 12, 239-251.	28.6	97
40	Rapid Mechanisms for Generating Genome Diversity: Whole Ploidy Shifts, Aneuploidy, and Loss of Heterozygosity. Cold Spring Harbor Perspectives in Medicine, 2014, 4, a019604-a019604.	6.2	106
41	The â€˜obligate diploidâ€™ Candida albicans forms mating-competent haploids. Nature, 2013, 494, 55-59.	27.8	246
42	Genetic Control of Conventional and Pheromone-Stimulated Biofilm Formation in Candida albicans. PLoS Pathogens, 2013, 9, e1003305.	4.7	83
43	Parasexuality and Ploidy Change in Candida tropicalis. Eukaryotic Cell, 2013, 12, 1629-1640.	3.4	43
44	MTLâ€"Independent Phenotypic Switching in Candida tropicalis and a Dual Role for Wor1 in Regulating Switching and Filamentation. PLoS Genetics, 2013, 9, e1003369.	3.5	44
45	Genome Reduction In Yeast Involves Programmed Cell Death. FASEB Journal, 2013, 27, 834.10.	0.5	0
46	Genome reduction in yeast involves programmed cell death. FASEB Journal, 2012, 26, 798.14.	0.5	0
47	Discovery of a phenotypic switch regulating sexual mating in the opportunistic fungal pathogen <i>Candida tropicalis</i>. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 21158-21163.	7.1	110
48	Interspecies pheromone signaling promotes biofilm formation and same-sex mating in <i>Candida albicans</i>. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 2510-2515.	7.1	56
49	Fungal mating pheromones: Choreographing the dating game. Fungal Genetics and Biology, 2011, 48, 668-676.	2.1	132
50	A Genomeâ€wide Screen for Transcription Factors that Confer Resistance to Sulforaphane in the Yeast, Candida albicans. FASEB Journal, 2011, 25, 969.1.	0.5	0
51	Genome Reduction in Yeast Involves Programmed Cell Death. FASEB Journal, 2011, 25, 943.12.	0.5	0
52	A Genomeâ€wide Screen for Transcription Factors Involved in Programmed Cell Death in the Yeast, Candida albicans. FASEB Journal, 2011, 25, 943.2.	0.5	0
53	Sexual reproduction in the Candida clade: cryptic cycles, diverse mechanisms, and alternative functions. Cellular and Molecular Life Sciences, 2010, 67, 3275-3285.	5.4	30
54	Coming of Ageâ€"Sexual Reproduction in Candida Species. PLoS Pathogens, 2010, 6, e1001155.	4.7	11

#	ARTICLE	IF	CITATIONS
55	Analogous Telesensing Pathways Regulate Mating and Virulence in Two Opportunistic Human Pathogens. MBio, 2010, 1, .	4.1	7
56	Stress-Induced Phenotypic Switching in<i>Candida albicans</i>. Molecular Biology of the Cell, 2009, 20, 3178-3191.	2.1	107
57	To Switch or Not to Switch? Phenotypic switching is sensitive to multiple inputs in a pathogenic fungus. Communicative and Integrative Biology, 2009, 2, 509-511.	1.4	8
58	Homothallic and heterothallic mating in the opportunistic pathogen Candida albicans. Nature, 2009, 460, 890-893.	27.8	196
59	A Candida-based view of fungal sex and pathogenesis. Genome Biology, 2009, 10, 230.	9.6	15
60	The Parasexual Cycle in Candida albicans Provides an Alternative Pathway to Meiosis for the Formation of Recombinant Strains. PLoS Biology, 2008, 6, e110.	5.6	323
61	Microtubule Motor Protein Kar3 Is Required for Normal Mitotic Division and Morphogenesis in Candida albicans. Eukaryotic Cell, 2008, 7, 1460-1474.	3.4	24
62	Barrier Activity in Candida albicans Mediates Pheromone Degradation and Promotes Mating. Eukaryotic Cell, 2007, 6, 907-918.	3.4	37
63	The role of nutrient regulation and the Gpa2 protein in the mating pheromone response ofC.â€ƒalbicans. Molecular Microbiology, 2006, 62, 100-119.	2.5	70
64	Nuclear fusion occurs during mating in Candida albicans and is dependent on the KAR3 gene. Molecular Microbiology, 2005, 55, 1046-1059.	2.5	49
65	Structure and Function of RecQ DNA Helicases. Critical Reviews in Biochemistry and Molecular Biology, 2004, 39, 79-97.	5.2	89
66	Completion of a parasexual cycle in Candida albicans by induced chromosome loss in tetraploid strains. EMBO Journal, 2003, 22, 2505-2515.	7.8	307
67	Identification and Characterization of a Candida albicans Mating Pheromone. Molecular and Cellular Biology, 2003, 23, 8189-8201.	2.3	154
68	Fungal Sex: The<i>Ascomycota</i>. , 0, , 115-145.		4