

Anna Selmecki

List of Publications by Year in descending order

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33
papers

3,737
citations

304743

22
h-index

454955

30
g-index

38
all docs

38
docs citations

38
times ranked

3111
citing authors

#	ARTICLE	IF	CITATIONS
1	Aneuploidy and Isochromosome Formation in Drug-Resistant <i>Candida albicans</i> . <i>Science</i> , 2006, 313, 367-370.	12.6	630
2	Polyploidy can drive rapid adaptation in yeast. <i>Nature</i> , 2015, 519, 349-352.	27.8	376
3	A Mutation in Tac1p, a Transcription Factor Regulating CDR1 and CDR2, Is Coupled With Loss of Heterozygosity at Chromosome 5 to Mediate Antifungal Resistance in <i>Candida albicans</i> . <i>Genetics</i> , 2006, 172, 2139-2156.	2.9	341
4	Acquisition of Aneuploidy Provides Increased Fitness during the Evolution of Antifungal Drug Resistance. <i>PLoS Genetics</i> , 2009, 5, e1000705.	3.5	293
5	An isochromosome confers drug resistance <i>in vivo</i> by amplification of two genes, <i>ERG11</i> and <i>TAC1</i> . <i>Molecular Microbiology</i> , 2008, 68, 624-641.	2.5	280
6	Genotypic Evolution of Azole Resistance Mechanisms in Sequential <i>Candida albicans</i> Isolates. <i>Eukaryotic Cell</i> , 2007, 6, 1889-1904.	3.4	268
7	Genomic Plasticity of the Human Fungal Pathogen <i>Candida albicans</i> . <i>Eukaryotic Cell</i> , 2010, 9, 991-1008.	3.4	241
8	Comparative genome hybridization reveals widespread aneuploidy in <i>Candida albicans</i> laboratory strains. <i>Molecular Microbiology</i> , 2005, 55, 1553-1565.	2.5	175
9	Neocentromeres Form Efficiently at Multiple Possible Loci in <i>Candida albicans</i> . <i>PLoS Genetics</i> , 2009, 5, e1000400.	3.5	152
10	Evolution in <i>Candida albicans</i> Populations During a Single Passage Through a Mouse Host. <i>Genetics</i> , 2009, 182, 799-811.	2.9	151
11	Haplotype Mapping of a Diploid Non-Meiotic Organism Using Existing and Induced Aneuploidies. <i>PLoS Genetics</i> , 2008, 4, e1.	3.5	129
12	Expandable and reversible copy number amplification drives rapid adaptation to antifungal drugs. <i>ELife</i> , 2020, 9, .	6.0	94
13	Genome plasticity in <i>Candida albicans</i> is driven by long repeat sequences. <i>ELife</i> , 2019, 8, .	6.0	83
14	Aneuploid Chromosomes Are Highly Unstable during DNA Transformation of <i>Candida albicans</i> . <i>Eukaryotic Cell</i> , 2009, 8, 1554-1566.	3.4	77
15	Ploidy Variation in Fungi: Polyploidy, Aneuploidy, and Genome Evolution. <i>Microbiology Spectrum</i> , 2017, 5, .	3.0	74
16	A small molecule produced by <i>Lactobacillus</i> species blocks <i>Candida albicans</i> filamentation by inhibiting a DYRK1-family kinase. <i>Nature Communications</i> , 2021, 12, 6151.	12.8	50
17	The <i>Candida albicans</i> transcription factor Cas5 couples stress responses, drug resistance and cell cycle regulation. <i>Nature Communications</i> , 2017, 8, 499.	12.8	49
18	Selection of <i>Candida albicans</i> trisomy during oropharyngeal infection results in a commensal-like phenotype. <i>PLoS Genetics</i> , 2019, 15, e1008137.	3.5	43

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19	Global analysis of genetic circuitry and adaptive mechanisms enabling resistance to the azole antifungal drugs. PLoS Genetics, 2018, 14, e1007319.	3.5	37
20	The fitness costs and benefits of trisomy of each <i>Candida albicans</i> chromosome. Genetics, 2021, 218, .	2.9	35
21	The Influence of Polyploidy on the Evolution of Yeast Grown in a Sub-Optimal Carbon Source. Molecular Biology and Evolution, 2017, 34, 2690-2703.	8.9	31
22	Rad52 function prevents chromosome loss and truncation in <i>Candida albicans</i> . Molecular Microbiology, 2011, 79, 1462-1482.	2.5	28
23	Flow Cytometry Analysis of Fungal Ploidy. Current Protocols in Microbiology, 2018, 50, e58.	6.5	26
24	Genomic Diversity across <i>Candida auris</i> Clinical Isolates Shapes Rapid Development of Antifungal Resistance <i>In Vitro</i> and <i>In Vivo</i> . MBio, 2022, 13, .	4.1	18
25	Functional divergence of a global regulatory complex governing fungal filamentation. PLoS Genetics, 2019, 15, e1007901.	3.5	17
26	Low Dosage of Histone H4 Leads to Growth Defects and Morphological Changes in <i>Candida albicans</i> . PLoS ONE, 2010, 5, e10629.	2.5	10
27	Ploidy Variation in Fungi: Polyploidy, Aneuploidy, and Genome Evolution. , 0, , 599-618.		9
28	Spindle Dynamics Model Explains Chromosome Loss Rates in Yeast Polyploid Cells. Frontiers in Genetics, 2018, 9, 296.	2.3	7
29	<i>lptG</i> contributes to changes in membrane permeability and the emergence of multidrug hypersusceptibility in a cystic fibrosis isolate of <i>Pseudomonas aeruginosa</i> . MicrobiologyOpen, 2019, 8, e844.	3.0	6
30	Assembly of a complete genome sequence for <i>Gemmata obscuriglobus</i> reveals a novel prokaryotic rRNA operon gene architecture. Antonie Van Leeuwenhoek, 2018, 111, 2095-2105.	1.7	4
31	Draft Genome Assemblies of Clinical Isolates of <i>Klebsiella pneumoniae</i> V9011662 and <i>Enterobacter hormaechei</i> Entb306. Microbiology Resource Announcements, 2019, 8, .	0.6	2
32	1163. Epidemiology of Candidemia: Can <i>Candida</i> Spread from Patient to Patient in the Hospital?. Open Forum Infectious Diseases, 2020, 7, S607-S608.	0.9	0
33	981. An Investigation into Possible Nosocomial Clusters and On-Treatment Resistance Patterns in Candidemia. Open Forum Infectious Diseases, 2021, 8, S581-S582.	0.9	0