

Alexander D Johnson

List of Publications by Year in descending order

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56
papers

6,321
citations

126708

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58
all docs

58
docs citations

58
times ranked

5643
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiple molecular events underlie stochastic switching between 2 heritable cell states in fungi. PLoS Biology, 2022, 20, e3001657.	2.6	3
2	Lineage-specific selection and the evolution of virulence in the <i>Candida</i> clade. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	9
3	Evolution of the complex transcription network controlling biofilm formation in <i>Candida</i> species. ELife, 2021, 10, .	2.8	25
4	A Screen for Small Molecules to Target <i>Candida albicans</i> Biofilms. Journal of Fungi (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td	1.5	3
5	Protein-coding changes preceded cis-regulatory gains in a newly evolved transcription circuit. Science, 2020, 367, 96-100.	6.0	15
6	An Opaque Cell-Specific Expression Program of Secreted Proteases and Transporters Allows Cell-Type Cooperation in <i>Candida albicans</i> . Genetics, 2020, 216, 409-429.	1.2	6
7	Combination of Antifungal Drugs and Protease Inhibitors Prevent <i>Candida albicans</i> Biofilm Formation and Disrupt Mature Biofilms. Frontiers in Microbiology, 2020, 11, 1027.	1.5	34
8	A Selective Serotonin Reuptake Inhibitor, a Proton Pump Inhibitor, and Two Calcium Channel Blockers Inhibit <i>Candida albicans</i> Biofilms. Microorganisms, 2020, 8, 756.	1.6	9
9	<i>Candida albicans</i> white and opaque cells exhibit distinct spectra of organ colonization in mouse models of infection. PLoS ONE, 2019, 14, e0218037.	1.1	16
10	Genetic Modification of Closely Related <i>Candida</i> Species. Frontiers in Microbiology, 2019, 10, 357.	1.5	15
11	A population shift between two heritable cell types of the pathogen <i>Candida albicans</i> is based both on switching and selective proliferation. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 26918-26924.	3.3	10
12	Development and regulation of single- and multi-species <i>Candida albicans</i> biofilms. Nature Reviews Microbiology, 2018, 16, 19-31.	13.6	405
13	Intrinsic cooperativity potentiates parallel cis-regulatory evolution. ELife, 2018, 7, .	2.8	19
14	Sensitivity of White and Opaque <i>Candida albicans</i> Cells to Antifungal Drugs. Antimicrobial Agents and Chemotherapy, 2017, 61, .	1.4	9
15	Assessment and Optimizations of <i>Candida albicans</i> <i>In Vitro</i> Biofilm Assays. Antimicrobial Agents and Chemotherapy, 2017, 61, .	1.4	55
16	How transcription circuits explore alternative architectures while maintaining overall circuit output. Genes and Development, 2017, 31, 1397-1405.	2.7	29
17	The rewiring of transcription circuits in evolution. Current Opinion in Genetics and Development, 2017, 47, 121-127.	1.5	49
18	Gene regulatory network plasticity predates a switch in function of a conserved transcription regulator. ELife, 2017, 6, .	2.8	46

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19	PhyloBot: A Web Portal for Automated Phylogenetics, Ancestral Sequence Reconstruction, and Exploration of Mutational Trajectories. PLoS Computational Biology, 2016, 12, e1004976.	1.5	43
20	Global Identification of Biofilm-Specific Proteolysis in <i>Candida albicans</i> . MBio, 2016, 7, .	1.8	63
21	Phenotypic Profiling Reveals that <i>Candida albicans</i> Opaque Cells Represent a Metabolically Specialized Cell State Compared to Default White Cells. MBio, 2016, 7, .	1.8	43
22	Identification and Characterization of Wor4, a New Transcriptional Regulator of White-Opaque Switching. G3: Genes, Genomes, Genetics, 2016, 6, 721-729.	0.8	48
23	Systematic Genetic Screen for Transcriptional Regulators of the <i>Candida albicans</i> White-Opaque Switch. Genetics, 2016, 203, 1679-1692.	1.2	33
24	Ssn6 Defines a New Level of Regulation of White-Opaque Switching in <i>Candida albicans</i> and Is Required For the Stochasticity of the Switch. MBio, 2016, 7, e01565-15.	1.8	33
25	Transcriptional rewiring over evolutionary timescales changes quantitative and qualitative properties of gene expression. ELife, 2016, 5, .	2.8	54
26	How Transcription Networks Evolve and Produce Biological Novelty. Cold Spring Harbor Symposia on Quantitative Biology, 2015, 80, 265-274.	2.0	31
27	An expanded regulatory network temporally controls <i>Candida albicans</i> biofilm formation. Molecular Microbiology, 2015, 96, 1226-1239.	1.2	140
28	Finding a Missing Gene: <i>EFG1</i> Regulates Morphogenesis in <i>Candida tropicalis</i> . G3: Genes, Genomes, Genetics, 2015, 5, 849-856.	0.8	40
29	Intersecting transcription networks constrain gene regulatory evolution. Nature, 2015, 523, 361-365.	13.7	72
30	Making Sense of Transcription Networks. Cell, 2015, 161, 714-723.	13.5	133
31	<i>Candida albicans</i> Biofilms and Human Disease. Annual Review of Microbiology, 2015, 69, 71-92.	2.9	768
32	<i>N</i> -Acetylglucosamine-Induced Cell Death in <i>Candida albicans</i> and Its Implications for Adaptive Mechanisms of Nutrient Sensing in Yeasts. MBio, 2015, 6, e01376-15.	1.8	35
33	A Histone Deacetylase Complex Mediates Biofilm Dispersal and Drug Resistance in <i>Candida albicans</i> . MBio, 2014, 5, e01201-14.	1.8	70
34	How duplicated transcription regulators can diversify to govern the expression of nonoverlapping sets of genes. Genes and Development, 2014, 28, 1272-1277.	2.7	48
35	Mucins Suppress Virulence Traits of <i>Candida albicans</i> . MBio, 2014, 5, e01911.	1.8	95
36	Ancestral resurrection reveals evolutionary mechanisms of kinase plasticity. ELife, 2014, 3, .	2.8	53

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37	Regulatory Circuits That Enable Proliferation of the Fungus <i>Candida albicans</i> in a Mammalian Host. <i>PLoS Pathogens</i> , 2013, 9, e1003780.	2.1	30
38	Protein Modularity, Cooperative Binding, and Hybrid Regulatory States Underlie Transcriptional Network Diversification. <i>Cell</i> , 2012, 151, 80-95.	13.5	89
39	Extensive DNA-binding specificity divergence of a conserved transcription regulator. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 7493-7498.	3.3	72
40	Evolution of Transcription Networks – Lessons from Yeasts. <i>Current Biology</i> , 2010, 20, R746-R753.	1.8	93
41	Intercalation of a new tier of transcription regulation into an ancient circuit. <i>Nature</i> , 2010, 468, 959-963.	13.7	74
42	Systematic screens of a <i>Candida albicans</i> homozygous deletion library decouple morphogenetic switching and pathogenicity. <i>Nature Genetics</i> , 2010, 42, 590-598.	9.4	632
43	Genetics and Molecular Biology in <i>Candida albicans</i> . <i>Methods in Enzymology</i> , 2010, 470, 737-758.	0.4	76
44	The Evolution of Combinatorial Gene Regulation in Fungi. <i>PLoS Biology</i> , 2008, 6, e38.	2.6	220
45	Evolution of alternative transcriptional circuits with identical logic. <i>Nature</i> , 2006, 443, 415-420.	13.7	250
46	Strains and Strategies for Large-Scale Gene Deletion Studies of the Diploid Human Fungal Pathogen <i>Candida albicans</i> . <i>Eukaryotic Cell</i> , 2005, 4, 298-309.	3.4	530
47	The biology of mating in <i>Candida albicans</i> . <i>Nature Reviews Microbiology</i> , 2003, 1, 106-116.	13.6	119
48	Evolution of a Combinatorial Transcriptional Circuit. <i>Cell</i> , 2003, 115, 389-399.	13.5	232
49	White-Opaque Switching in <i>Candida albicans</i> Is Controlled by Mating-Type Locus Homeodomain Proteins and Allows Efficient Mating. <i>Cell</i> , 2002, 110, 293-302.	13.5	504
50	Development of <i>Streptococcus thermophilus</i> lacZ as a reporter gene for <i>Candida albicans</i> . <i>Microbiology (United Kingdom)</i> , 2001, 147, 1189-1195.	0.7	76
51	Identification and Characterization of TUP1-Regulated Genes in <i>Candida albicans</i> . <i>Genetics</i> , 2000, 156, 31-44.	1.2	283
52	Identification of a Mating Type-Like Locus in the Asexual Pathogenic Yeast <i>Candida albicans</i> . <i>Science</i> , 1999, 285, 1271-1275.	6.0	351
53	Crystallization and preliminary X-ray diffraction studies of an $\alpha 1\beta 2$ /DNA ternary complex. <i>Proteins: Structure, Function and Bioinformatics</i> , 1995, 21, 161-164.	1.5	7
54	Transcriptional repression directed by the yeast $\alpha 2$ protein in vitro. <i>Nature</i> , 1994, 370, 309-311.	13.7	121

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55	Rewiring Transcriptional Circuitry: Mating-Type Regulation in <i>Saccharomyces cerevisiae</i> and <i>Candida albicans</i> as a Model for Evolution. , 0 , 75-89.		2
56	Mating and Parasexual Genetics in <i>Candida albicans</i> . , 0 , 71-88.		0