

Rebecca S Shapiro

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

2,442
citations

331670

21
h-index

302126

39
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44
all docs

44
docs citations

44
times ranked

3076
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and Generation of a CRISPR Interference System for Genetic Repression and Essential Gene Analysis in the Fungal Pathogen <i>Candida albicans</i> . <i>Methods in Molecular Biology</i> , 2022, 2377, 69-88.	0.9	3
2	High-content CRISPR screening. <i>Nature Reviews Methods Primers</i> , 2022, 2, .	21.2	155
3	Mycobiome Dysbiosis in Women with Intrauterine Adhesions. <i>Microbiology Spectrum</i> , 2022, 10, .	3.0	14
4	Targeting fungal membrane homeostasis with imidazopyrazoindoles impairs azole resistance and biofilm formation. <i>Nature Communications</i> , 2022, 13, .	12.8	21
5	Mucin modulates microbial morphogenesis. <i>Nature Chemical Biology</i> , 2022, 18, 684-686.	8.0	0
6	The Canadian Fungal Research Network: current challenges and future opportunities. <i>Canadian Journal of Microbiology</i> , 2021, 67, 13-22.	1.7	4
7	Genetic interaction analysis in microbial pathogens: unravelling networks of pathogenesis, antimicrobial susceptibility and host interactions. <i>FEMS Microbiology Reviews</i> , 2021, 45, .	8.6	8
8	Comprehensive genetic analysis of adhesin proteins and their role in virulence of <i>Candida albicans</i> . <i>Genetics</i> , 2021, 217, .	2.9	20
9	The SAGA and NuA4 component Tra1 regulates <i>Candida albicans</i> drug resistance and pathogenesis. <i>Genetics</i> , 2021, 219, .	2.9	7
10	A data library of <i>Candida albicans</i> functional genomic screens. <i>FEMS Yeast Research</i> , 2021, 21, .	2.3	5
11	A Simple Nematode Infection Model for Studying <i>Candida albicans</i> Pathogenesis. <i>Current Protocols in Microbiology</i> , 2020, 59, e114.	6.5	9
12	FDA Approved Drug Library Screening Identifies Robenidine as a Repositionable Antifungal. <i>Frontiers in Microbiology</i> , 2020, 11, 996.	3.5	13
13	EMT signaling: potential contribution of CRISPR/Cas gene editing. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 2701-2722.	5.4	22
14	CRISPR-Based Genetic Manipulation of <i>Candida</i> Species: Historical Perspectives and Current Approaches. <i>Frontiers in Genome Editing</i> , 2020, 2, 606281.	5.2	22
15	Experimental Evolution of Antifungal Resistance in <i>Cryptococcus neoformans</i> . <i>Current Protocols in Microbiology</i> , 2020, 59, e116.	6.5	4
16	New pathogens, new tricks: emerging, drug-resistant fungal pathogens and future prospects for antifungal therapeutics. <i>Annals of the New York Academy of Sciences</i> , 2019, 1435, 57-78.	3.8	119
17	mSphere of Influence: Evolutionary Strategies To Sensitize Drug-Resistant Pathogens. <i>MSphere</i> , 2019, 4, .	2.9	1
18	Linking Cellular Morphogenesis with Antifungal Treatment and Susceptibility in <i>Candida</i> Pathogens. <i>Journal of Fungi (Basel, Switzerland)</i> , 2019, 5, 17.	3.5	45

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19	Design, execution, and analysis of CRISPR-Cas9-based deletions and genetic interaction networks in the fungal pathogen <i>Candida albicans</i> . <i>Nature Protocols</i> , 2019, 14, 955-975.	12.0	25
20	A CRISPR Interference Platform for Efficient Genetic Repression in <i>Candida albicans</i> . <i>MSphere</i> , 2019, 4, .	2.9	49
21	Metabolism-induced oxidative stress and DNA damage selectively trigger genome instability in polyploid fungal cells. <i>EMBO Journal</i> , 2019, 38, e101597.	7.8	41
22	Functional divergence of a global regulatory complex governing fungal filamentation. <i>PLoS Genetics</i> , 2019, 15, e1007901.	3.5	17
23	CRISPR-based genomic tools for the manipulation of genetically intractable microorganisms. <i>Nature Reviews Microbiology</i> , 2018, 16, 333-339.	28.6	88
24	Precise Cas9 targeting enables genomic mutation prevention. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 3669-3673.	7.1	28
25	A CRISPR-Cas9-based gene drive platform for genetic interaction analysis in <i>Candida albicans</i> . <i>Nature Microbiology</i> , 2018, 3, 73-82.	13.3	135
26	Tuning Hsf1 levels drives distinct fungal morphogenetic programs with depletion impairing Hsp90 function and overexpression expanding the target space. <i>PLoS Genetics</i> , 2018, 14, e1007270.	3.5	42
27	A role for the bacterial GATC methylome in antibiotic stress survival. <i>Nature Genetics</i> , 2016, 48, 581-586.	21.4	85
28	Antimicrobial-Induced DNA Damage and Genomic Instability in Microbial Pathogens. <i>PLoS Pathogens</i> , 2015, 11, e1004678.	4.7	31
29	Low levels of IGFBP7 expression in high-grade serous ovarian carcinoma is associated with patient outcome. <i>BMC Cancer</i> , 2015, 15, 135.	2.6	19
30	Mapping the Hsp90 Genetic Interaction Network in <i>Candida albicans</i> Reveals Environmental Contingency and Rewired Circuitry. <i>PLoS Genetics</i> , 2012, 8, e1002562.	3.5	98
31	Regulatory circuitry governing morphogenesis in <i>Saccharomyces cerevisiae</i> and <i>Candida albicans</i> . <i>Cell Cycle</i> , 2012, 11, 4294-4295.	2.6	23
32	Cdc28 provides a molecular link between Hsp90, morphogenesis, and cell cycle progression in <i>Candida albicans</i> . <i>Molecular Biology of the Cell</i> , 2012, 23, 268-283.	2.1	61
33	Thermal Control of Microbial Development and Virulence: Molecular Mechanisms of Microbial Temperature Sensing. <i>MBio</i> , 2012, 3, .	4.1	106
34	Global Gene Deletion Analysis Exploring Yeast Filamentous Growth. <i>Science</i> , 2012, 337, 1353-1356.	12.6	186
35	Uncovering cellular circuitry controlling temperature-dependent fungal morphogenesis. <i>Virulence</i> , 2012, 3, 400-404.	4.4	20
36	Pho85, Pcl1, and Hms1 Signaling Governs <i>Candida albicans</i> Morphogenesis Induced by High Temperature or Hsp90 Compromise. <i>Current Biology</i> , 2012, 22, 461-470.	3.9	77

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37	The Hsp90 Co-Chaperone Sgt1 Governs <i>Candida albicans</i> Morphogenesis and Drug Resistance. <i>PLoS ONE</i> , 2012, 7, e44734.	2.5	74
38	Regulatory Circuitry Governing Fungal Development, Drug Resistance, and Disease. <i>Microbiology and Molecular Biology Reviews</i> , 2011, 75, 213-267.	6.6	448
39	Coupling temperature sensing and development. <i>Virulence</i> , 2010, 1, 45-48.	4.4	48
40	Hsp90 Orchestrates Temperature-Dependent <i>Candida albicans</i> Morphogenesis via Ras1-PKA Signaling. <i>Current Biology</i> , 2009, 19, 621-629.	3.9	266