Beth Burgwyn Fuchs

List of Publications by Year
in descending order

60 papers	3,341 citations	201575 27 h-index	149623 56 g-index
61 all docs	61 docs citations	61 times ranked	4649 citing authors

#	Article	IF	Citations
1	A new class of synthetic retinoid antibiotics effective against bacterial persisters. Nature, 2018, 556, 103-107.	13.7	307
2	Methods for usingGalleria mellonellaas a model host to study fungal pathogenesis. Virulence, 2010, 1, 475-482.	1.8	290
3	Antifungal Chemical Compounds Identified Using a C. elegans Pathogenicity Assay. PLoS Pathogens, 2007, 3, e18.	2.1	285
4	Molecular and Nonmolecular Diagnostic Methods for Invasive Fungal Infections. Clinical Microbiology Reviews, 2014, 27, 490-526.	5.7	254
5	Our Paths Might Cross: the Role of the Fungal Cell Wall Integrity Pathway in Stress Response and Cross Talk with Other Stress Response Pathways. Eukaryotic Cell, 2009, 8, 1616-1625.	3.4	209
6	Using non-mammalian hosts to study fungal virulence and host defense. Current Opinion in Microbiology, 2006, 9, 346-351.	2.3	144
7	Repurposing Salicylanilide Anthelmintic Drugs to Combat Drug Resistant Staphylococcus aureus. PLoS ONE, 2015, 10, e0124595.	1.1	123
8	A selective membrane-targeting repurposed antibiotic with activity against persistent methicillin-resistant Staphylococcus aureus. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 16529-16534.	3.3	117
9	Candida parapsilosis Resistance to Fluconazole: Molecular Mechanisms and In Vivo Impact in Infected Galleria mellonella Larvae. Antimicrobial Agents and Chemotherapy, 2015, 59, 6581-6587.	1.4	106
10	Role of filamentation in Galleria mellonella killing by Candida albicans. Microbes and Infection, 2010, 12, 488-496.	1.0	99
11	Whole Animal Automated Platform for Drug Discovery against Multi-Drug Resistant Staphylococcus aureus. PLoS ONE, 2014, 9, e89189.	1.1	85
12	Antifungal activity of clinical Lactobacillus strains against Candida albicans biofilms: identification of potential probiotic candidates to prevent oral candidiasis. Biofouling, 2018, 34, 212-225.	0.8	76
13	Susceptibility of Cryptococcus neoformans to Photodynamic Inactivation Is Associated with Cell Wall Integrity. Antimicrobial Agents and Chemotherapy, 2007, 51, 2929-2936.	1.4	73
14	Lactobacillus paracasei modulates the immune system of Galleria mellonella and protects against Candida albicans infection. PLoS ONE, 2017, 12, e0173332.	1.1	70
15	Selecting an Invertebrate Model Host for the Study of Fungal Pathogenesis. PLoS Pathogens, 2012, 8, e1002451.	2.1	69
16	Identification of an Antimicrobial Agent Effective against Methicillin-Resistant Staphylococcus aureus Persisters Using a Fluorescence-Based Screening Strategy. PLoS ONE, 2015, 10, e0127640.	1.1	57
17	Inhibition of bacterial and fungal pathogens by the orphaned drug auranofin. Future Medicinal Chemistry, 2016, 8, 117-132.	1.1	57
18	Synergistic Efficacy of Aedes aegypti Antimicrobial Peptide Cecropin A2 and Tetracycline against Pseudomonas aeruginosa. Antimicrobial Agents and Chemotherapy, 2017, 61, .	1.4	56

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19	Insect-Derived Cecropins Display Activity against Acinetobacter baumannii in a Whole-Animal High-Throughput Caenorhabditis elegans Model. Antimicrobial Agents and Chemotherapy, 2015, 59, 1728-1737.	1.4	52
20	Competitive Interactions between C. albicans, C. glabrata and C. krusei during Biofilm Formation and Development of Experimental Candidiasis. PLoS ONE, 2015, 10, e0131700.	1.1	51
21	Antimicrobial activity of 1,3,4-oxadiazole derivatives against planktonic cells and biofilm of Staphylococcus aureus. Future Medicinal Chemistry, 2018, 10, 283-296.	1.1	46
22	A Multi-Host Approach for the Systematic Analysis of Virulence Factors inCryptococcus neoformans. Journal of Infectious Diseases, 2015, 211, 298-305.	1.9	45
23	Lactobacillus paracasei 28.4 reduces in vitro hyphae formation of Candida albicans and prevents the filamentation in an experimental model of Caenorhabditis elegans. Microbial Pathogenesis, 2018, 117, 80-87.	1.3	39
24	NH125 kills methicillin-resistant Staphylococcus aureus persisters by lipid bilayer disruption. Future Medicinal Chemistry, 2016, 8, 257-269.	1.1	36
25	The salivary microbiome is consistent between subjects and resistant to impacts of short-term hospitalization. Scientific Reports, 2017, 7, 11040.	1.6	34
26	A Defensin from the Model Beetle Tribolium castaneum Acts Synergistically with Telavancin and Daptomycin against Multidrug Resistant Staphylococcus aureus. PLoS ONE, 2015, 10, e0128576.	1.1	32
27	The Postbiotic Activity of Lactobacillus paracasei 28.4 Against Candida auris. Frontiers in Cellular and Infection Microbiology, 2020, 10, 397.	1.8	31
28	Effect of Virulence Factors on the Photodynamic Inactivation of Cryptococcus neoformans. PLoS ONE, 2013, 8, e54387.	1.1	29
29	Rapid Isolation and Concentration of Pathogenic Fungi Using Inertial Focusing on a Chip-Based Platform. Frontiers in Cellular and Infection Microbiology, 2019, 9, 27.	1.8	29
30	Auranofin Releasing Antibacterial and Antibiofilm Polyurethane Intravascular Catheter Coatings. Frontiers in Cellular and Infection Microbiology, 2019, 9, 37.	1.8	28
31	Thioredoxin Reductase Is a Valid Target for Antimicrobial Therapeutic Development Against Gram-Positive Bacteria. Frontiers in Microbiology, 2021, 12, 663481.	1.5	28
32	The Role of Candida albicans SPT20 in Filamentation, Biofilm Formation and Pathogenesis. PLoS ONE, 2014, 9, e94468.	1.1	27
33	Antibacterial Properties of Four Novel Hit Compounds from a Methicillin-ResistantStaphylococcus aureusâ€“Caenorhabditis elegansHigh-Throughput Screen. Microbial Drug Resistance, 2018, 24, 666-674.	0.9	25
34	Development of Probiotic Formulations for Oral Candidiasis Prevention: Gellan Gum as a Carrier To Deliver Lactobacillus paracasei 28.4. Antimicrobial Agents and Chemotherapy, 2020, 64, .	1.4	22
35	The Temperature-Sensitive Role of Cryptococcus neoformans ROM2 in Cell Morphogenesis. PLoS ONE, 2007, 2, e368.	1.1	18
36	Micafungin Elicits an Immunomodulatory Effect in Galleria mellonella and Mice. Mycopathologia, 2016, 181, 17-25.	1.3	18

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37	Heterocycle Thiazole Compounds Exhibit Antifungal Activity through Increase in the Production of Reactive Oxygen Species in the Cryptococcus neoformans-Cryptococcus gattii Species Complex. Antimicrobial Agents and Chemotherapy, 2017, 61, .	1.4	18
38	Pathogenesis of the Candida parapsilosis Complex in the Model Host Caenorhabditis elegans. Genes, 2018, 9, 401.	1.0	18
39	Anti-Candida albicans Activity of Thiazolylhydrazone Derivatives in Invertebrate and Murine Models. Journal of Fungi (Basel, Switzerland), 2018, 4, 134.	1.5	17
40	Activity of a novel protonophore against methicillin-resistantStaphylococcus aureus. Future Medicinal Chemistry, 2017, 9, 1401-1411.	1.1	15
41	The monoclonal antibody Ca37, developed against Candida albicans alcohol dehydrogenase, inhibits the yeast in vitro and in vivo. Scientific Reports, 2020, 10, 9206.	1.6	15
42	Antibacterial properties of 3-(phenylsulfonyl)-2-pyrazinecarbonitrile. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 5203-5207.	1.0	14
43	The Anti-virulence Efficacy of 4-(1,3-Dimethyl-2,3-Dihydro-1H-Benzimidazol-2-yl)Phenol Against Methicillin-Resistant Staphylococcus aureus. Frontiers in Microbiology, 2019, 10, 1557.	1.5	14
44	SDH2 is involved in proper hypha formation and virulence in Candida albicans. Future Microbiology, 2018, 13, 1141-1156.	1.0	13
45	Influence of subinhibitory concentrations of NH125 on biofilm formation & virulence factors of Staphylococcus aureus. Future Medicinal Chemistry, 2018, 10, 1319-1331.	1.1	13
46	<scp>Caenorhabditis elegans</scp>mounts a p38<scp>MAPK</scp>pathwayâ€mediated defence toCutibacterium acnesinfection. Cellular Microbiology, 2020, 22, e13234.	1.1	13
47	The Anti-Biofilm Efficacy of Caffeic Acid Phenethyl Ester (CAPE) In Vitro and a Murine Model of Oral Candidiasis. Frontiers in Cellular and Infection Microbiology, 2021, 11, 700305.	1.8	13
48	Streptococcus mutans Secreted Products Inhibit Candida albicans Induced Oral Candidiasis. Frontiers in Microbiology, 2020, 11, 1605.	1.5	12
49	Current and promising pharmacotherapeutic options for candidiasis. Expert Opinion on Pharmacotherapy, 2021, 22, 887-888.	0.9	12
50	Anti-MRSA agent discovery using Caenorhabditis elegans-based high-throughput screening. Journal of Microbiology, 2020, 58, 431-444.	1.3	10
51	Raf-kinase inhibitor GW5074 shows antibacterial activity against methicillin-resistant Staphylococcus aureus and potentiates the activity of gentamicin. Future Medicinal Chemistry, 2016, 8, 1941-1952.	1.1	9
52	Vulnerability of long-term care facility residents to Clostridium difficile infection due to microbiome disruptions. Future Microbiology, 2018, 13, 1537-1547.	1.0	9
53	In vivo and in vitro activity of a bis-arylidenecyclo-alkanone against fluconazole-susceptible and -resistant isolates of Candida albicans. Journal of Global Antimicrobial Resistance, 2018, 14, 287-293.	0.9	9
54	Probiotic Effects of Lactobacillus paracasei 28.4 to Inhibit Streptococcus mutans in a Gellan-Based Formulation. Probiotics and Antimicrobial Proteins, 2021, 13, 506-517.	1.9	9

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55	Histone acetyltransferase encoded byNGG1is required for morphological conversion and virulence ofCandida albicans. Future Microbiology, 2017, 12, 1497-1510.	1.0	8
56	Galleria mellonella experimental model for bat fungal pathogen Pseudogymnoascus destructans and human fungal pathogen Pseudogymnoascus pannorum. Virulence, 2018, 9, 1539-1547.	1.8	8
57	Butenafine and analogues: An expeditious synthesis and cytotoxicity and antifungal activities. Journal of Advanced Research, 2018, 14, 81-91.	4.4	8
58	SPT20 Regulates the Hog1-MAPK Pathway and Is Involved in Candida albicans Response to Hyperosmotic Stress. Frontiers in Microbiology, 2020, 11, 213.	1.5	8
59	Galleria mellonella are Resistant to Pneumocystis murina Infection. Mycopathologia, 2011, 171, 273-277.	1.3	7
60	A Substituted Diphenyl Amide Based Novel Scaffold Inhibits Virulence in a Infection Model. Frontiers in Microbiology, 2021, 12, 723133.	1.5	0