Deborah A Hogan

List of Publications by Year
in descending order

105 papers	8,209 citations	61857 43 h-index	53109 85 g-index
135 all docs	135 docs citations	135 times ranked	8285 citing authors

#	Article	IF	Citations
1	The Candida albicans Cdk8-dependent phosphoproteome reveals repression of hyphal growth through a Flo8-dependent pathway. PLoS Genetics, 2022, 18, e1009622.	1.5	10
2	Nonmotile Subpopulations of <i>Pseudomonas aeruginosa</i> Repress Flagellar Motility in Motile Cells through a Type IV Pilus- and Pel-Dependent Mechanism. Journal of Bacteriology, 2022, 204, e0052821.	1.0	5
3	Transcriptional Response of Candida auris to the Mrr1 Inducers Methylglyoxal and Benomyl. MSphere, 2022, 7, e0012422.	1.3	1
4	Metabolic basis for the evolution of a common pathogenic Pseudomonas aeruginosa variant. ELife, 2022, 11, .	2.8	19
5	CF-Seq, an accessible web application for rapid re-analysis of cystic fibrosis pathogen RNA sequencing studies. Scientific Data, 2022, 9, .	2.4	7
6	<i>Debaryomyces</i> is enriched in Crohnâ€™s disease intestinal tissue and impairs healing in mice. Science, 2021, 371, 1154-1159.	6.0	126
7	Balancing Positive and Negative Selection: <i>In Vivo</i> Evolution of Candida lusitaniae <i>MRR1</i>. MBio, 2021, 12, .	1.8	8
8	Both Pseudomonas aeruginosa and Candida albicans Accumulate Greater Biomass in Dual-Species Biofilms under Flow. MSphere, 2021, 6, e0041621.	1.3	14
9	Calprotectin-Mediated Zinc Chelation Inhibits Pseudomonas aeruginosa Protease Activity in Cystic Fibrosis Sputum. Journal of Bacteriology, 2021, 203, e0010021.	1.0	15
10	Let-7b-5p in vesicles secreted by human airway cells reduces biofilm formation and increases antibiotic sensitivity of <i>P. aeruginosa</i>. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	24
11	Editorial overview of Pearls Microbiome Series: E pluribus unum. PLoS Pathogens, 2021, 17, e1009912.	2.1	0
12	Intraspecies heterogeneity in microbial interactions. Current Opinion in Microbiology, 2021, 62, 14-20.	2.3	15
13	Model Systems to Study the Chronic, Polymicrobial Infections in Cystic Fibrosis: Current Approaches and Exploring Future Directions. MBio, 2021, 12, e0176321.	1.8	26
14	Mrr1 regulation of methylglyoxal catabolism and methylglyoxalâ€induced fluconazole resistance in <i>Candida lusitaniae</i>. Molecular Microbiology, 2021, 115, 116-130.	1.2	10
15	Intraspecies Signaling between Common Variants of Pseudomonas aeruginosa Increases Production of Quorum-Sensing-Controlled Virulence Factors. MBio, 2020, 11, .	1.8	30
16	Conditional antagonism in co-cultures of Pseudomonas aeruginosa and Candida albicans: An intersection of ethanol and phosphate signaling distilled from dual-seq transcriptomics. PLoS Genetics, 2020, 16, e1008783.	1.5	27
17	<i>Pseudomonas aeruginosa lasR</i> mutant fitness in microoxia is supported by an Anr-regulated oxygen-binding hemerythrin. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 3167-3173.	3.3	44
18	Social Cooperativity of Bacteria during Reversible Surface Attachment in Young Biofilms: a Quantitative Comparison of Pseudomonas aeruginosa PA14 and PAO1. MBio, 2020, 11, .	1.8	47

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19	Correcting for experiment-specific variability in expression compendia can remove underlying signals. GigaScience, 2020, 9, .	3.3	17
20	Regulation of Pseudomonas aeruginosa-Mediated Neutrophil Extracellular Traps. Frontiers in Immunology, 2019, 10, 1670.	2.2	36
21	Tobramycin reduces key virulence determinants in the proteome of Pseudomonas aeruginosa outer membrane vesicles. PLoS ONE, 2019, 14, e0211290.	1.1	24
22	Ethanol Decreases Pseudomonas aeruginosa Flagellar Motility through the Regulation of Flagellar Stators. Journal of Bacteriology, 2019, 201, .	1.0	25
23	Ethanol Stimulates Trehalose Production through a SpoT-DksA-AlgU-Dependent Pathway in Pseudomonas aeruginosa. Journal of Bacteriology, 2019, 201, .	1.0	23
24	New Mitochondrial Targets in Fungal Pathogens. MBio, 2019, 10, .	1.8	5
25	The CAFA challenge reports improved protein function prediction and new functional annotations for hundreds of genes through experimental screens. Genome Biology, 2019, 20, 244.	3.8	261
26	Pseudomonas aeruginosa Ethanol Oxidation by AdhA in Low-Oxygen Environments. Journal of Bacteriology, 2019, 201, .	1.0	15
27	An epoxide hydrolase secreted by <i>Pseudomonas aeruginosa</i> decreases mucociliary transport and hinders bacterial clearance from the lung. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 314, L150-L156.	1.3	27
28	Genetic Analysis of <i>NDT80</i> Family Transcription Factors in <i>Candida albicans</i> Using New CRISPR-Cas9 Approaches. MSphere, 2018, 3, .	1.3	39
29	Refining the Application of Microbial Lipids as Tracers of Staphylococcus aureus Growth Rates in Cystic Fibrosis Sputum. Journal of Bacteriology, 2018, 200, .	1.0	13
30	Evolution of drug resistance in an antifungal-naive chronic <i>Candida lusitaniae</i> infection. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 12040-12045.	3.3	52
31	Role of quorum sensing and chemical communication in fungal biotechnology and pathogenesis. FEMS Microbiology Reviews, 2018, 42, 627-638.	3.9	88
32	PathCORE-T: identifying and visualizing globally co-occurring pathways in large transcriptomic compendia. BioData Mining, 2018, 11, 14.	2.2	14
33	Profiling of Bacterial and Fungal Microbial Communities in Cystic Fibrosis Sputum Using RNA. MSphere, 2018, 3, .	1.3	23
34	Pearls collections: What we can learn about infectious disease and cancer. PLoS Pathogens, 2018, 14, e1006915.	2.1	12
35	<i>Pseudomonas aeruginosa</i> Alginate Overproduction Promotes Coexistence with <i>Staphylococcus aureus</i> in a Model of Cystic Fibrosis Respiratory Infection. MBio, 2017, 8, .	1.8	124
36	Candida albicans and Pseudomonas aeruginosa Interact To Enhance Virulence of Mucosal Infection in Transparent Zebrafish. Infection and Immunity, 2017, 85, .	1.0	79

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37	Unsupervised Extraction of Stable Expression Signatures from Public Compendia with an Ensemble of Neural Networks. Cell Systems, 2017, 5, 63-71.e6.	2.9	84
38	Use of RNA-Protein Complexes for Genome Editing in Non- <i>albicans Candida</i> Species. MSphere, 2017, 2, .	1.3	100
39	ADAGE signature analysis: differential expression analysis with data-defined gene sets. BMC Bioinformatics, 2017, 18, 512.	1.2	17
40	Signaling through Lrg1, Rho1 and Pkc1 Governs Candida albicans Morphogenesis in Response to Diverse Cues. PLoS Genetics, 2016, 12, e1006405.	1.5	35
41	Global Role of Cyclic AMP Signaling in pH-Dependent Responses in Candida albicans. MSphere, 2016, 1, .	1.3	17
42	COMPUTATIONAL APPROACHES TO STUDY MICROBES AND MICROBIOMES. , 2016, , .		7
43	Use of a Multiplex Transcript Method for Analysis of Pseudomonas aeruginosa Gene Expression Profiles in the Cystic Fibrosis Lung. Infection and Immunity, 2016, 84, 2995-3006.	1.0	26
44	Environmentally Endemic Pseudomonas aeruginosa Strains with Mutations in <i>lasR</i> Are Associated with Increased Disease Severity in Corneal Ulcers. MSphere, 2016, 1, .	1.3	43
45	The <i>Pseudomonas aeruginosa</i> efflux pump MexGHI-OpmD transports a natural phenazine that controls gene expression and biofilm development. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E3538-47.	3.3	145
46	ADAGE-Based Integration of Publicly Available Pseudomonas aeruginosa Gene Expression Data with Denoising Autoencoders Illuminates Microbe-Host Interactions. MSystems, 2016, 1, .	1.7	116
47	Analysis of Lung Microbiota in Bronchoalveolar Lavage, Protected Brush and Sputum Samples from Subjects with Mild-To-Moderate Cystic Fibrosis Lung Disease. PLoS ONE, 2016, 11, e0149998.	1.1	108
48	A Novel Mechanism of Host-Pathogen Interaction through sRNA in Bacterial Outer Membrane Vesicles. PLoS Pathogens, 2016, 12, e1005672.	2.1	363
49	Mitochondrial Activity and Cyr1 Are Key Regulators of Ras1 Activation of C. albicans Virulence Pathways. PLoS Pathogens, 2015, 11, e1005133.	2.1	101
50	Analysis of the Candida albicans Phosphoproteome. Eukaryotic Cell, 2015, 14, 474-485.	3.4	40
51	Editorial overview: Host-microbe interactions: fungi: Heterogeneity in fungal cells, populations, and communities. Current Opinion in Microbiology, 2015, 26, vii-ix.	2.3	6
52	A self-lysis pathway that enhances the virulence of a pathogenic bacterium. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8433-8438.	3.3	41
53	Links between Anr and Quorum Sensing in Pseudomonas aeruginosa Biofilms. Journal of Bacteriology, 2015, 197, 2810-2820.	1.0	58
54	Candida albicans: Molecular interactions with Pseudomonas aeruginosa and Staphylococcus aureus. Fungal Biology Reviews, 2014, 28, 85-96.	1.9	40

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55	Analysis of Candida albicans Mutants Defective in the Cdk8 Module of Mediator Reveal Links between Metabolism and Biofilm Formation. PLoS Genetics, 2014, 10, e1004567.	1.5	51
56	Candida albicans Ethanol Stimulates Pseudomonas aeruginosa WspR-Controlled Biofilm Formation as Part of a Cyclic Relationship Involving Phenazines. PLoS Pathogens, 2014, 10, e1004480.	2.1	132
57	Global regulator Anr represses PlcH phospholipase activity in Pseudomonas aeruginosa when oxygen is limiting. Microbiology (United Kingdom), 2014, 160, 2215-2225.	0.7	11
58	Characterization and quantification of the fungal microbiome in serial samples from individuals with cystic fibrosis. Microbiome, 2014, 2, 40.	4.9	128
59	Bacterial Type 6 Secreted Phospholipases Play Family Feud. Cell Host and Microbe, 2013, 13, 507-508.	5.1	0
60	Unique microbial communities persist in individual cystic fibrosis patients throughout a clinical exacerbation. Microbiome, 2013, 1, 27.	4.9	126
61	Gene expression studies for the analysis of domoic acid production in the marine diatom Pseudo-nitzschia multiseries. BMC Molecular Biology, 2013, 14, 25.	3.0	18
62	Control of Candida albicans Metabolism and Biofilm Formation by Pseudomonas aeruginosa Phenazines. MBio, 2013, 4, e00526-12.	1.8	208
63	The Yin and Yang of Phenazine Physiology. , 2013, , 43-69.		8
64	Anr and Its Activation by PlcH Activity in Pseudomonas aeruginosa Host Colonization and Virulence. Journal of Bacteriology, 2013, 195, 3093-3104.	1.0	58
65	Regulated proteolysis of <i><scp>C</scp>andida albicans</i>â€…<scp>R</scp>as1 is involved in morphogenesis and quorum sensing regulation. Molecular Microbiology, 2013, 89, 166-178.	1.2	26
66	Farnesol and Cyclic AMP Signaling Effects on the Hypha-to-Yeast Transition in Candida albicans. Eukaryotic Cell, 2012, 11, 1219-1225.	3.4	97
67	Epoxide-Mediated CifR Repression of <i>cif</i> Gene Expression Utilizes Two Binding Sites in Pseudomonas aeruginosa. Journal of Bacteriology, 2012, 194, 5315-5324.	1.0	16
68	Absence of Membrane Phosphatidylcholine Does Not Affect Virulence and Stress Tolerance Phenotypes in the Opportunistic Pathogen Pseudomonas aeruginosa. PLoS ONE, 2012, 7, e30829.	1.1	17
69	Linking Quorum Sensing Regulation and Biofilm Formation by Candida albicans. Methods in Molecular Biology, 2011, 692, 219-233.	0.4	44
70	Candida albicans developmental regulation: adenylyl cyclase as a coincidence detector of parallel signals. Current Opinion in Microbiology, 2011, 14, 682-686.	2.3	45
71	Hemolytic Phospholipase C Inhibition Protects Lung Function during <i>Pseudomonas aeruginosa</i> Infection. American Journal of Respiratory and Critical Care Medicine, 2011, 184, 345-354.	2.5	72
72	Roles of Three Transporters, CbcXWV, BetT1, and BetT3, in Pseudomonas aeruginosa Choline Uptake for Catabolism. Journal of Bacteriology, 2011, 193, 3033-3041.	1.0	40

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73	Roles of Ras1 Membrane Localization during Candida albicans Hyphal Growth and Farnesol Response. Eukaryotic Cell, 2011, 10, 1473-1484.	3.4	62
74	The ATP-binding cassette transporter Cbc (choline/betaine/carnitine) recruits multiple substrate-binding proteins with strong specificity for distinct quaternary ammonium compounds. Molecular Microbiology, 2010, 75, 29-45.	1.2	79
75	Antifungal mechanisms by which a novel <i>Pseudomonas aeruginosa</i> phenazine toxin kills <i>Candida albicans</i> in biofilms. Molecular Microbiology, 2010, 78, 1379-1392.	1.2	132
76	Medically important bacterialâ€"fungal interactions. Nature Reviews Microbiology, 2010, 8, 340-349.	13.6	507
77	Candida albicans-produced farnesol stimulates Pseudomonas quinolone signal production in LasR-defective Pseudomonas aeruginosa strains. Microbiology (United Kingdom), 2010, 156, 3096-3107.	0.7	107
78	Farnesol Induces Hydrogen Peroxide Resistance in Candida albicans Yeast by Inhibiting the Ras-Cyclic AMP Signaling Pathway. Eukaryotic Cell, 2010, 9, 569-577.	3.4	94
79	Candida albicans Interactions with Bacteria in the Context of Human Health and Disease. PLoS Pathogens, 2010, 6, e1000886.	2.1	254
80	<i>Pseudomonas aeruginosa</i> Evasion of Phagocytosis Is Mediated by Loss of Swimming Motility and Is Independent of Flagellum Expression. Infection and Immunity, 2010, 78, 2937-2945.	1.0	121
81	Mixed bacterial-fungal infections in the CF respiratory tract. Medical Mycology, 2010, 48, S125-S132.	0.3	61
82	Identification of genes required for Pseudomonas aeruginosa carnitine catabolism. Microbiology (United Kingdom), 2009, 155, 2411-2419.	0.7	44
83	<i>Pseudomonas aeruginosa</i> - <i>Candida albicans</i> Interactions: Localization and Fungal Toxicity of a Phenazine Derivative. Applied and Environmental Microbiology, 2009, 75, 504-513.	1.4	197
84	GbdR Regulates <i>Pseudomonas aeruginosa plcH</i> and <i>pchP</i> Transcription in Response to Choline Catabolites. Infection and Immunity, 2009, 77, 1103-1111.	1.0	57
85	Th2 allergic immune response to inhaled fungal antigens is modulated by TLRâ€4â€independent bacterial products. European Journal of Immunology, 2009, 39, 776-788.	1.6	42
86	The Ras/cAMP/PKA signaling pathway and virulence in <i>Candida albicans</i>. Future Microbiology, 2009, 4, 1263-1270.	1.0	137
87	Farnesol and dodecanol effects on the <i>Candida albicans</i> Ras1â€cAMP signalling pathway and the regulation of morphogenesis. Molecular Microbiology, 2008, 67, 47-62.	1.2	220
88	PEPped Up: Induction of Candida albicans Virulence by Bacterial Cell Wall Fragments. Cell Host and Microbe, 2008, 4, 1-2.	5.1	9
89	Identification of Two Gene Clusters and a Transcriptional Regulator Required for <i>Pseudomonas aeruginosa</i> Glycine Betaine Catabolism. Journal of Bacteriology, 2008, 190, 2690-2699.	1.0	102
90	The Pseudomonas aeruginosa Secreted Protein PA2934 Decreases Apical Membrane Expression of the Cystic Fibrosis Transmembrane Conductance Regulator. Infection and Immunity, 2007, 75, 3902-3912.	1.0	107

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91	Farnesol, a common sesquiterpene, inhibits PQS production in <i>Pseudomonas aeruginosa</i>. Molecular Microbiology, 2007, 65, 896-906.	1.2	313
92	Examination ofPseudomonas aeruginosa lasIregulation and 3-oxo-C12-homoserine lactone production using a heterologousEscherichia colisystem. FEMS Microbiology Letters, 2007, 273, 38-44.	0.7	9
93	Fungalâ€”bacterial interactions: a mixed bag of mingling microbes. Current Opinion in Microbiology, 2006, 9, 359-364.	2.3	204
94	Quorum Sensing: Alcohols in a Social Situation. Current Biology, 2006, 16, R457-R458.	1.8	44
95	Talking to Themselves: Autoregulation and Quorum Sensing in Fungi. Eukaryotic Cell, 2006, 5, 613-619.	3.4	237
96	A Pseudomonas aeruginosa quorum-sensing molecule influences Candida albicans morphology. Molecular Microbiology, 2004, 54, 1212-1223.	1.2	535
97	Intrinsic tryptophan fluorescence as a probe of metal and Î±-ketoglutarate binding to TfdA, a mononuclear non-heme iron dioxygenase. Journal of Inorganic Biochemistry, 2003, 93, 66-70.	1.5	23
98	Pseudomonas-Candida Interactions: An Ecological Role for Virulence Factors. Science, 2002, 296, 2229-2232.	6.0	571
99	Site-directed Mutagenesis of 2,4-Dichlorophenoxyacetic Acid/Î±-Ketoglutarate Dioxygenase. Journal of Biological Chemistry, 2000, 275, 12400-12409.	1.6	50
100	Stereospecific degradation of the phenoxypropionate herbicide dichlorprop. Journal of Molecular Catalysis B: Enzymatic, 1999, 6, 421-428.	1.8	28
101	Cloning and Characterization of a Sulfonate/Î±-Ketoglutarate Dioxygenase from <i>Saccharomyces cerevisiae</i>. Journal of Bacteriology, 1999, 181, 5876-5879.	1.0	55
102	Interdomain Cross Talk. , 0, , 417-429.		2
103	Candida spp. in Microbial Populations and Communities: Molecular Interactions and Biological Importance. , 0, , 317-330.		0
104	Part II Overview. , 0, , 123-129.		0
105	Fungal-Bacterial Interactions. , 0, , 261-269.		0