

Michael R Yeaman

List of Publications by Year in descending order

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73
papers

5,470
citations

109321

35
h-index

85541

71
g-index

74
all docs

74
docs citations

74
times ranked

6270
citing authors

#	ARTICLE	IF	CITATIONS
1	Als3 Is a <i>Candida albicans</i> Invasin That Binds to Cadherins and Induces Endocytosis by Host Cells. <i>PLoS Biology</i> , 2007, 5, e64.	5.6	492
2	Multidimensional signatures in antimicrobial peptides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 7363-7368.	7.1	335
3	Failures in Clinical Treatment of <i>Staphylococcus aureus</i> Infection with Daptomycin Are Associated with Alterations in Surface Charge, Membrane Phospholipid Asymmetry, and Drug Binding. <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 269-278.	3.2	305
4	Platelets: at the nexus of antimicrobial defence. <i>Nature Reviews Microbiology</i> , 2014, 12, 426-437.	28.6	268
5	The Role of Platelets in Antimicrobial Host Defense. <i>Clinical Infectious Diseases</i> , 1997, 25, 951-968.	5.8	267
6	Platelets in defense against bacterial pathogens. <i>Cellular and Molecular Life Sciences</i> , 2010, 67, 525-544.	5.4	253
7	Epidemiology of Neuromyelitis Optica Spectrum Disorder and Its Prevalence and Incidence Worldwide. <i>Frontiers in Neurology</i> , 2020, 11, 501.	2.4	216
8	Lack of Wall Teichoic Acids in <i>Staphylococcus aureus</i> Leads to Reduced Interactions with Endothelial Cells and to Attenuated Virulence in a Rabbit Model of Endocarditis. <i>Journal of Infectious Diseases</i> , 2005, 191, 1771-1777.	4.0	207
9	Unifying themes in host defence effector polypeptides. <i>Nature Reviews Microbiology</i> , 2007, 5, 727-740.	28.6	175
10	The <i>Staphylococcus aureus</i> Two-Component Regulatory System, GraRS, Senses and Confers Resistance to Selected Cationic Antimicrobial Peptides. <i>Infection and Immunity</i> , 2012, 80, 74-81.	2.2	159
11	DltABCD- and MprF-Mediated Cell Envelope Modifications of <i>Staphylococcus aureus</i> Confer Resistance to Platelet Microbicidal Proteins and Contribute to Virulence in a Rabbit Endocarditis Model. <i>Infection and Immunity</i> , 2005, 73, 8033-8038.	2.2	148
12	Enhanced Expression of <i>dltABCD</i> Is Associated with the Development of Daptomycin Nonsusceptibility in a Clinical Endocarditis Isolate of <i>Staphylococcus aureus</i> . <i>Journal of Infectious Diseases</i> , 2009, 200, 1916-1920.	4.0	147
13	Emerging Themes and Therapeutic Prospects for Anti-Infective Peptides. <i>Annual Review of Pharmacology and Toxicology</i> , 2012, 52, 337-360.	9.4	132
14	Cell Wall Thickening Is Not a Universal Accompaniment of the Daptomycin Nonsusceptibility Phenotype in <i>Staphylococcus aureus</i> : Evidence for Multiple Resistance Mechanisms. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 3079-3085.	3.2	128
15	Correlation of Daptomycin Resistance in a Clinical <i>Staphylococcus aureus</i> Strain with Increased Cell Wall Teichoic Acid Production and <i>scpD</i> -Alanylation. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 3922-3928.	3.2	117
16	Functional Interrelationships between Cell Membrane and Cell Wall in Antimicrobial Peptide-Mediated Killing of <i>Staphylococcus aureus</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2005, 49, 3114-3121.	3.2	113
17	Phenotypic and Genotypic Characteristics of Persistent Methicillin-Resistant <i>Staphylococcus aureus</i> Bacteremia In Vitro and in an Experimental Endocarditis Model. <i>Journal of Infectious Diseases</i> , 2009, 199, 201-208.	4.0	106
18	Phenotypic and Genotypic Characterization of Daptomycin-Resistant Methicillin-Resistant <i>Staphylococcus aureus</i> Strains: Relative Roles of <i>mprF</i> and <i>dlt</i> Operons. <i>PLoS ONE</i> , 2014, 9, e107426.	2.5	105

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19	Selective reciprocity in antimicrobial activity versus cytotoxicity of hBD-2 and crotamine. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 14972-14977.	7.1	97
20	Immunocontinuum: Perspectives in Antimicrobial Peptide Mechanisms of Action and Resistance. Protein and Peptide Letters, 2005, 12, 49-67.	0.9	91
21	Synthetic Peptides That Exert Antimicrobial Activities in Whole Blood and Blood-Derived Matrices. Antimicrobial Agents and Chemotherapy, 2002, 46, 3883-3891.	3.2	84
22	Antimicrobial peptides from platelets. Drug Resistance Updates, 1999, 2, 116-126.	14.4	76
23	Emergence of Daptomycin Resistance in Daptomycin-Naïve Rabbits with Methicillin-Resistant Staphylococcus aureus Prosthetic Joint Infection Is Associated with Resistance to Host Defense Cationic Peptides and mprF Polymorphisms. PLoS ONE, 2013, 8, e71151.	2.5	76
24	Modular determinants of antimicrobial activity in platelet factor-4 family kinocidins. Biochimica Et Biophysica Acta - Biomembranes, 2007, 1768, 609-619.	2.6	75
25	Clonal V β 6 ⁺ V γ 4 ⁺ T cells promote IL-17 α -mediated immunity against <i>Staphylococcus aureus</i> skin infection. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10917-10926.	7.1	75
26	Platelet Microbicidal Protein 1: Structural Themes of a Multifunctional Antimicrobial Peptide. Antimicrobial Agents and Chemotherapy, 2004, 48, 4395-4404.	3.2	65
27	Structural congruence among membrane-active host defense polypeptides of diverse phylogeny. Biochimica Et Biophysica Acta - Biomembranes, 2006, 1758, 1373-1386.	2.6	63
28	Protective immunity in recurrent <i>Staphylococcus aureus</i> infection reflects localized immune signatures and macrophage-conferred memory. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E11111-E11119.	7.1	63
29	Mechanisms of NDV-3 vaccine efficacy in MRSA skin versus invasive infection. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E5555-63.	7.1	61
30	Bacterial-platelet interactions: virulence meets host defense. Future Microbiology, 2010, 5, 471-506.	2.0	60
31	Heterogeneity of <i>mprF</i> Sequences in Methicillin-Resistant Staphylococcus aureus Clinical Isolates: Role in Cross-Resistance between Daptomycin and Host Defense Antimicrobial Peptides. Antimicrobial Agents and Chemotherapy, 2014, 58, 7462-7467.	3.2	59
32	Nonredundant Roles of Interleukin-17A (IL-17A) and IL-22 in Murine Host Defense against Cutaneous and Hematogenous Infection Due to Methicillin-Resistant Staphylococcus aureus. Infection and Immunity, 2015, 83, 4427-4437.	2.2	58
33	Structural correlates of antimicrobial efficacy in IL-8 and related human kinocidins. Biochimica Et Biophysica Acta - Biomembranes, 2007, 1768, 598-608.	2.6	49
34	Retinal Optical Coherence Tomography in Neuromyelitis Optica. Neurology: Neuroimmunology and NeuroInflammation, 2021, 8, .	6.0	47
35	Activation of EphA2-EGFR signaling in oral epithelial cells by Candida albicans virulence factors. PLoS Pathogens, 2021, 17, e1009221.	4.7	45
36	Site-Specific Mutation of the Sensor Kinase GraS in Staphylococcus aureus Alters the Adaptive Response to Distinct Cationic Antimicrobial Peptides. Infection and Immunity, 2014, 82, 5336-5345.	2.2	41

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37	Unifying structural signature of eukaryotic α -helical host defense peptides. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 6944-6953.	7.1	39
38	<i>SSD1</i> Is Integral to Host Defense Peptide Resistance in <i>Candida albicans</i> . Eukaryotic Cell, 2008, 7, 1318-1327.	3.4	38
39	Innate Immune Memory Contributes to Host Defense against Recurrent Skin and Skin Structure Infections Caused by Methicillin-Resistant <i>Staphylococcus aureus</i> . Infection and Immunity, 2017, 85, .	2.2	38
40	The Global Regulon <i>sarA</i> Regulates β -Lactam Antibiotic Resistance in Methicillin-Resistant <i>Staphylococcus aureus</i> In Vitro and in Endovascular Infections. Journal of Infectious Diseases, 2016, 214, 1421-1429.	4.0	37
41	The GraS Sensor in <i>Staphylococcus aureus</i> Mediates Resistance to Host Defense Peptides Differing in Mechanisms of Action. Infection and Immunity, 2016, 84, 459-466.	2.2	33
42	Role of Purine Biosynthesis in Persistent Methicillin-Resistant <i>Staphylococcus aureus</i> Infection. Journal of Infectious Diseases, 2018, 218, 1367-1377.	4.0	29
43	A Synthetic Congener Modeled on a Microbicidal Domain of Thrombin- Induced Platelet Microbicidal Protein 1 Recapitulates Staphylocidal Mechanisms of the Native Molecule. Antimicrobial Agents and Chemotherapy, 2006, 50, 3786-3792.	3.2	27
44	PACAP is a pathogen-inducible resident antimicrobial neuropeptide affording rapid and contextual molecular host defense of the brain. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	26
45	Neuromyelitis optica spectrum disorder in China: Quality of life and medical care experience. Multiple Sclerosis and Related Disorders, 2020, 46, 102542.	2.0	24
46	Applying Convergent Immunity to Innovative Vaccines Targeting <i>Staphylococcus aureus</i> . Frontiers in Immunology, 2014, 5, 463.	4.8	21
47	Susceptibility to Thrombin-Induced Platelet Microbicidal Protein Is Associated with Increased Fluconazole Efficacy against Experimental Endocarditis Due to <i>Candida albicans</i> . Antimicrobial Agents and Chemotherapy, 2004, 48, 3051-3056.	3.2	20
48	Genetic variation of DNA methyltransferase-3A contributes to protection against persistent MRSA bacteremia in patients. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20087-20096.	7.1	20
49	Longitudinal Retinal Changes in <i>MOGAD</i> . Annals of Neurology, 2022, 92, 476-485.	5.3	20
50	Bcr1 Functions Downstream of Ssd1 To Mediate Antimicrobial Peptide Resistance in <i>Candida albicans</i> . Eukaryotic Cell, 2013, 12, 411-419.	3.4	19
51	Regulated Cell Death as a Therapeutic Target for Novel Antifungal Peptides and Biologics. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-20.	4.0	17
52	Identifying determinants of persistent MRSA bacteremia using mathematical modeling. PLoS Computational Biology, 2019, 15, e1007087.	3.2	16
53	CD55 upregulation in astrocytes by statins as potential therapy for AQP4-IgG seropositive neuromyelitis optica. Journal of Neuroinflammation, 2019, 16, 57.	7.2	16
54	Context Mediates Antimicrobial Efficacy of Kinocidin Congener Peptide RP-1. PLoS ONE, 2011, 6, e26727.	2.5	16

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55	Human DNA methylation signatures differentiate persistent from resolving MRSA bacteremia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	14
56	Discovery of Novel Type II Bacteriocins Using a New High-Dimensional Bioinformatic Algorithm. <i>Frontiers in Immunology</i> , 2020, 11, 1873.	4.8	13
57	Astrocytic outer retinal layer thinning is not a feature in AQP4-IgG seropositive neuromyelitis optica spectrum disorders. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2022, 93, 188-195.	1.9	13
58	New Mechanistic Insights into Purine Biosynthesis with Second Messenger c-di-AMP in Relation to Biofilm-Related Persistent Methicillin-Resistant <i>Staphylococcus aureus</i> Infections. <i>MBio</i> , 2021, 12, e0208121.	4.1	12
59	Monoclonal IgM Antibodies Targeting <i>Candida albicans</i> Hyr1 Provide Cross-Kingdom Protection Against Gram-Negative Bacteria. <i>Frontiers in Immunology</i> , 2020, 11, 76.	4.8	11
60	Diagnostic procedures in suspected attacks in patients with neuromyelitis optica spectrum disorders: Results of an international survey. <i>Multiple Sclerosis and Related Disorders</i> , 2020, 41, 102027.	2.0	11
61	Cytoprotective IgG antibodies in sera from a subset of patients with AQP4-IgG seropositive neuromyelitis optica spectrum disorder. <i>Scientific Reports</i> , 2021, 11, 21962.	3.3	11
62	Cohort profile: a collaborative multicentre study of retinal optical coherence tomography in 539 patients with neuromyelitis optica spectrum disorders (CROCTINO). <i>BMJ Open</i> , 2020, 10, e035397.	1.9	10
63	Innovative Approaches to Improve Anti-Infective Vaccine Efficacy. <i>Annual Review of Pharmacology and Toxicology</i> , 2017, 57, 189-222.	9.4	9
64	Balancing Potential Benefits and Risks of Bruton Tyrosine Kinase Inhibitor Therapies in Multiple Sclerosis During the COVID-19 Pandemic. <i>Neurology: Neuroimmunology and Neuroinflammation</i> , 2021, 8, .	6.0	9
65	Identification of <i>Candida glabrata</i> Transcriptional Regulators That Govern Stress Resistance and Virulence. <i>Infection and Immunity</i> , 2021, 89, .	2.2	8
66	The Role of Platelets in Antimicrobial Host Defense. , 2019, , 523-546.		6
67	Platelet Deficiency Represents a Modifiable Risk Factor for Periprosthetic Joint Infection in a Preclinical Mouse Model. <i>Journal of Bone and Joint Surgery - Series A</i> , 2021, 103, 1016-1025.	3.0	6
68	Burden and cost of comorbidities in patients with neuromyelitis optica spectrum disorder. <i>Journal of the Neurological Sciences</i> , 2021, 427, 117530.	0.6	6
69	Role of the <i>Staphylococcus aureus</i> Extracellular Loop of GraS in Resistance to Distinct Human Defense Peptides in PMN and Invasive Cardiovascular infections. <i>Infection and Immunity</i> , 2021, 89, e0034721.	2.2	5
70	Immunosuppression in Glomerular Diseases: Implications for SARS-CoV-2 Vaccines and COVID-19. <i>Glomerular Diseases</i> , 2021, 1, 277-293.	1.0	4
71	Impacts of NaHCO ₃ on \hat{I}^2 -Lactam Binding to PBP2a Protein Variants Associated with the NaHCO ₃ -Responsive versus NaHCO ₃ -Non-Responsive Phenotypes. <i>Antibiotics</i> , 2022, 11, 462.	3.7	4
72	The costs of care from a US claims database in patients with neuromyelitis optica spectrum disorder. <i>Journal of the Neurological Sciences</i> , 2021, 427, 117553.	0.6	3

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73	Treatment of Experimental and Human Bacterial Endocarditis with Quinolone Antimicrobial Agents. , 0, , 259-273.		1