

Andrew M Edwards

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

2,188
citations

236833

25
h-index

243529

44
g-index

64
all docs

64
docs citations

64
times ranked

2869
citing authors

#	ARTICLE	IF	CITATIONS
1	Streptococcus pyogenes pili promote pharyngeal cell adhesion and biofilm formation. <i>Molecular Microbiology</i> , 2007, 64, 968-983.	1.2	206
2	Colistin kills bacteria by targeting lipopolysaccharide in the cytoplasmic membrane. <i>ELife</i> , 2021, 10, .	2.8	177
3	What role does the quorum-sensing accessory gene regulator system play during <i>Staphylococcus aureus</i> bacteremia?. <i>Trends in Microbiology</i> , 2014, 22, 676-685.	3.5	146
4	<i>Staphylococcus aureus</i> Host Cell Invasion and Virulence in Sepsis Is Facilitated by the Multiple Repeats within FnBPA. <i>PLoS Pathogens</i> , 2010, 6, e1000964.	2.1	124
5	Methicillin Resistance Reduces the Virulence of Healthcare-Associated Methicillin-Resistant <i>Staphylococcus aureus</i> by Interfering With the agr Quorum Sensing System. <i>Journal of Infectious Diseases</i> , 2012, 205, 798-806.	1.9	124
6	<i>Staphylococcus aureus</i> inactivates daptomycin by releasing membrane phospholipids. <i>Nature Microbiology</i> , 2017, 2, 16194.	5.9	116
7	<i>Staphylococcus aureus</i> Adapts to Oxidative Stress by Producing H ₂ O ₂ -Resistant Small-Colony Variants via the SOS Response. <i>Infection and Immunity</i> , 2015, 83, 1830-1844.	1.0	106
8	<i>Fusobacterium nucleatum</i> Transports Noninvasive <i>Streptococcus cristatus</i> into Human Epithelial Cells. <i>Infection and Immunity</i> , 2006, 74, 654-662.	1.0	83
9	How does <i>Staphylococcus aureus</i> escape the bloodstream?. <i>Trends in Microbiology</i> , 2011, 19, 184-190.	3.5	69
10	<i>Staphylococcus aureus</i> Keratinocyte Invasion Is Dependent upon Multiple High-Affinity Fibronectin-Binding Repeats within FnBPA. <i>PLoS ONE</i> , 2011, 6, e18899.	1.1	69
11	Binding Properties and Adhesion-Mediating Regions of the Major Sheath Protein of <i>Treponema denticola</i> ATCC 35405. <i>Infection and Immunity</i> , 2005, 73, 2891-2898.	1.0	64
12	Phenotype Switching Is a Natural Consequence of <i>Staphylococcus aureus</i> Replication. <i>Journal of Bacteriology</i> , 2012, 194, 5404-5412.	1.0	64
13	Carcinoembryonic antigen-related cell adhesion molecule (CEACAM)-binding recombinant polypeptide confers protection against infection by respiratory and urogenital pathogens. <i>Molecular Microbiology</i> , 2005, 55, 1515-1527.	1.2	56
14	Oxacillin Alters the Toxin Expression Profile of Community-Associated Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 1100-1107.	1.4	51
15	Scavenger receptor gp340 aggregates group A streptococci by binding pili. <i>Molecular Microbiology</i> , 2008, 68, 1378-1394.	1.2	47
16	<i>Staphylococcus aureus</i> Extracellular Adherence Protein Triggers TNF \pm Release, Promoting Attachment to Endothelial Cells via Protein A. <i>PLoS ONE</i> , 2012, 7, e43046.	1.1	43
17	Exploitation of Antibiotic Resistance as a Novel Drug Target: Development of a β -Lactamase-Activated Antibacterial Prodrug. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 4411-4425.	2.9	38
18	Genetic relatedness and phenotypic characteristics of <i>Treponema</i> associated with human periodontal tissues and ruminant foot disease. <i>Microbiology (United Kingdom)</i> , 2003, 149, 1083-1093.	0.7	34

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19	Polymyxin and lipopeptide antibiotics: membrane-targeting drugs of last resort. <i>Microbiology (United Kingdom)</i> , 2017, 163, 1502-1508.	0.7	34
20	The Electron Transport Chain Sensitizes <i>Staphylococcus aureus</i> and <i>Enterococcus faecalis</i> to the Oxidative Burst. <i>Infection and Immunity</i> , 2017, 85, .	1.0	33
21	Molecular mechanisms of <i>Staphylococcus aureus</i> nasopharyngeal colonization. <i>Molecular Oral Microbiology</i> , 2012, 27, 1-10.	1.3	32
22	Human serum triggers antibiotic tolerance in <i>Staphylococcus aureus</i> . <i>Nature Communications</i> , 2022, 13, 2041.	5.8	32
23	Evidence for Steric Regulation of Fibrinogen Binding to <i>Staphylococcus aureus</i> Fibronectin-binding Protein A (FnBPA). <i>Journal of Biological Chemistry</i> , 2014, 289, 12842-12851.	1.6	29
24	Controlled Dendrimersome Nanoreactor System for Localized Hypochlorite-Induced Killing of Bacteria. <i>ACS Nano</i> , 2020, 14, 17333-17353.	7.3	29
25	Transcriptional downregulation of <i>agr</i> expression in <i>Staphylococcus aureus</i> during growth in human serum can be overcome by constitutively active mutant forms of the sensor kinase AgrC. <i>FEMS Microbiology Letters</i> , 2013, 349, 153-162.	0.7	28
26	Invasion of Human Cells by a Bacterial Pathogen. <i>Journal of Visualized Experiments</i> , 2011, , .	0.2	27
27	The Agr Quorum-Sensing System Regulates Fibronectin Binding but Not Hemolysis in the Absence of a Functional Electron Transport Chain. <i>Infection and Immunity</i> , 2014, 82, 4337-4347.	1.0	27
28	Cigarette smoke exposure redirects <i>Staphylococcus aureus</i> to a virulence profile associated with persistent infection. <i>Scientific Reports</i> , 2019, 9, 10798.	1.6	27
29	<i>Enterococcus faecalis</i> and pathogenic streptococci inactivate daptomycin by releasing phospholipids. <i>Microbiology (United Kingdom)</i> , 2017, 163, 1502-1508.	0.7	25
30	Association of a high-molecular weight arginine-binding protein of <i>Fusobacterium nucleatum</i> ATCC 10953 with adhesion to secretory immunoglobulin A and coaggregation with <i>Streptococcus cristatus</i> . <i>Oral Microbiology and Immunology</i> , 2007, 22, 217-224.	2.8	24
31	Identification of a potent small-molecule inhibitor of bacterial DNA repair that potentiates quinolone antibiotic activity in methicillin-resistant <i>Staphylococcus aureus</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 114962.	1.4	21
32	Antibiotic interceptors: Creating safe spaces for bacteria. <i>PLoS Pathogens</i> , 2018, 14, e1006924.	2.1	18
33	Staphylococcal DNA Repair Is Required for Infection. <i>MBio</i> , 2020, 11, .	1.8	18
34	The general stress response of <i>Staphylococcus aureus</i> promotes tolerance of antibiotics and survival in whole human blood. <i>Microbiology (United Kingdom)</i> , 2020, 166, 1088-1094.	0.7	17
35	Colistin resistance in <i>Escherichia coli</i> confers protection of the cytoplasmic but not outer membrane from the polymyxin antibiotic. <i>Microbiology (United Kingdom)</i> , 2021, 167, .	0.7	15
36	RexAB Is Essential for the Mutagenic Repair of <i>Staphylococcus aureus</i> DNA Damage Caused by Co-trimoxazole. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	1.4	14

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37	DNA Repair in <i>Staphylococcus aureus</i> . <i>Microbiology and Molecular Biology Reviews</i> , 2021, 85, e0009121.	2.9	14
38	Effect of host-mimicking medium and biofilm growth on the ability of colistin to kill <i>Pseudomonas aeruginosa</i> . <i>Microbiology (United Kingdom)</i> , 2020, 166, 1171-1180.	0.7	14
39	Characterization of a pESI-like plasmid and analysis of multidrug-resistant <i>Salmonella enterica</i> Infantis isolates in England and Wales. <i>Microbial Genomics</i> , 2021, 7, .	1.0	14
40	Daptomycin: new insights into an antibiotic of last resort. <i>Future Microbiology</i> , 2017, 12, 461-464.	1.0	11
41	A functional menadione biosynthesis pathway is required for capsule production by <i>Staphylococcus aureus</i> . <i>Microbiology (United Kingdom)</i> , 2021, 167, .	0.7	11
42	RexAB Promotes the Survival of <i>Staphylococcus aureus</i> Exposed to Multiple Classes of Antibiotics. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, e0059421.	1.4	10
43	A FASII Inhibitor Prevents Staphylococcal Evasion of Daptomycin by Inhibiting Phospholipid Decoy Production. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	1.4	8
44	Assessing the impact of silicon nanowires on bacterial transformation and viability of <i>Escherichia coli</i> . <i>Journal of Materials Chemistry B</i> , 2021, 9, 4906-4914.	2.9	6
45	Naturally occurring polymorphisms in the virulence regulator Rsp modulate <i>Staphylococcus aureus</i> survival in blood and antibiotic susceptibility. <i>Microbiology (United Kingdom)</i> , 2018, 164, 1189-1195.	0.7	6
46	Bacterial Toxin-triggered Release of Antibiotics from Capsosomes Protects a Fly Model from Lethal Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA) Infection. <i>Advanced Healthcare Materials</i> , 2022, 11, e2200036.	3.9	3
47	Synergistic Activity of Repurposed Peptide Drug Glatiramer Acetate with Tobramycin against Cystic Fibrosis <i>Pseudomonas aeruginosa</i> . <i>Microbiology Spectrum</i> , 2022, 10, .	1.2	3
48	DISCUSSION PAPER: THE USE OF GLUTARALDEHYDE FIXATION FOR THE STUDY OF THE IMMUNE RESPONSE TO SYNGENEIC TUMOR ANTIGEN. <i>Annals of the New York Academy of Sciences</i> , 1976, 276, 91-96.	1.8	2
49	Silence is golden for <i>Staphylococcus</i> . <i>Nature Microbiology</i> , 2019, 4, 1073-1074.	5.9	1