RESEARCH & PUBLICATIONS

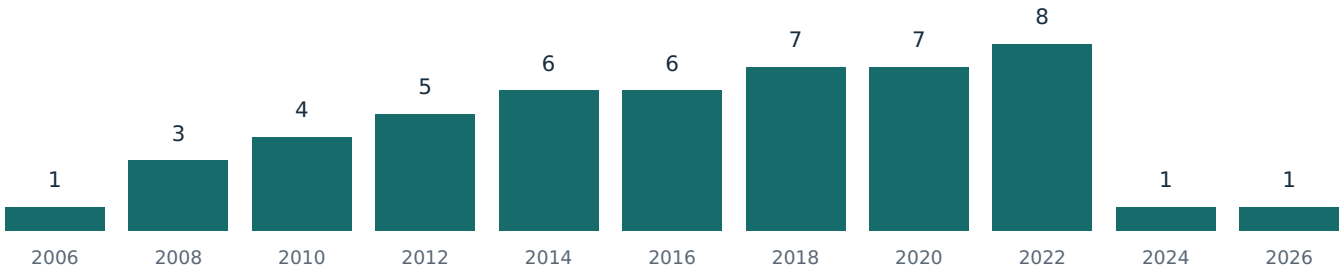
Anthony R Richardson

A publication record at a glance

49	2,856	28
ARTICLES	CITATIONS	h-INDEX

PUBLICATION ACTIVITY

Articles grouped into 2-year periods



MOST CITED IN THIS LIST

A Nitric Oxide–Inducible Lactate Dehydrogenase Enables Staphylococcus aureus to Resist Innate Immunity — 279

2008 Science

The Nitrosative Stress Response of Staphylococcus aureus Is Required for Resistance to Innate Immunity — 228

2006 Molecular Microbiology

Functional Modularity of the Arginine Catabolic Mobile Element Contributes to the Success of USA300 Methicillin-Resistant Staphylococcus aureus — 186

2013 Cell Host and Microbe

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Ordered by publication year, newest first

2026

01 Methicillin-Resistant Staphylococcus aureus Has Phenotypic Variation in mecA Expression That Alters Antibiotic Sensitivity.

3 citations

Antimicrobial Agents and Chemotherapy · 70, e0039625

https://exaly.com/article/210452620

2024

02 Glucose Transporter 1 Is Essential for the Resolution of Methicillin-Resistant S. Aureus Skin and Soft Tissue Infections

5 citations

Cell Reports · 43, 114486

https://exaly.com/article/187231291

2023

03 Adaptation to Overflow Metabolism by Mutations That Impair tRNA Modification in Experimentally Evolved Bacteria.

9 citations

MBio · 14, e0028723

https://exaly.com/article/161168494

04 Specialized Phosphate Transport Is Essential for Staphylococcus aureus Nitric Oxide Resistance.

4 citations

MBio · 14, e0245123

https://exaly.com/article/172506874

05 The Contribution of DNA Repair Pathways to Staphylococcus aureus Fitness and Fidelity During Nitric Oxide Stress.

6 citations

MBio · 14, e0215623

https://exaly.com/article/172582770

2022

06 Staphylococcus aureus Genotype Variation Among and Within Periprosthetic Joint Infections

13 citations

Journal of Orthopaedic Research · 40, 420-428

https://exaly.com/article/79927041

07 The Nutritional Environment Is Sufficient to Select Coexisting Biofilm and Quorum Sensing Mutants of Pseudomonas aeruginosa.

14 citations

Journal of Bacteriology · 204, e0044421

https://exaly.com/article/125265794

08 Mechanisms Behind the Indirect Impact of Metabolic Regulators on Virulence Factor Production in Staphylococcus aureus.

9 citations

Microbiology Spectrum · 10, e0206322

https://exaly.com/article/148957914

Ordered by publication year, newest first

2022 / continued

09 Recent Developments in Our Understanding of the Physiology and Nitric Oxide-Resistance of Staphylococcus aureus — 2 citations

Advances in Microbial Physiology · 81, 111-135

https://exaly.com/article/154220262

10 Novel Requirement for Staphylococcal Cell Wall-Anchored Protein SasD in Pulmonary Infection. — 3 citations

Microbiology Spectrum · 10, e0164522

https://exaly.com/article/154766198

2021

11 Meet the Future Leaders in the Field of Host-Microbe Interactions. — 0 citations

Infection and Immunity

https://exaly.com/article/79465235

12 The Staphylococcus aureus Toxin–Antitoxin System YefM–YoeB Is Associated With Antibiotic Tolerance and Extracellular Dependent Biofilm Formation — 15 citations

Journal of Bone and Joint Infection · 6, 241-253

https://exaly.com/article/81358243

13 Is Amplification Bias Consequential in Transposon Sequencing (TnSeq) Assays? A Case Study With a Staphylococcus aureus TnSeq Library Subjected to PCR-Based and Amplification-Free Enrichment Methods — 2 citations

Microbial Genomics · 7, 000655

https://exaly.com/article/82494729

14 The Intersection of the Staphylococcus aureus Rex and SrrAB Regulons: An Example of Metabolic Evolution That Maximizes Resistance to Immune Radicals. — 15 citations

MBio · 12, e0218821

https://exaly.com/article/123275277

2020

15 Lack of Nutritional Immunity in Diabetic Skin Infections Promotes Staphylococcus aureus Virulence — 101 citations

Science Advances

https://exaly.com/article/75802394

16 Development of Humanized Mouse and Rat Models With Full-Thickness Human Skin and Autologous Immune Cells — 31 citations

Scientific Reports · 10, 1-11

https://exaly.com/article/76246938

Ordered by publication year, newest first

2020 / continued

17 Early-Career Scientists Shaping the New Microbiology. 1 citations
Infection and Immunity
https://exaly.com/article/76717245

2019

18 Virulence and Metabolism. 63 citations
Microbiology Spectrum
https://exaly.com/article/73366700

19 Virulence and Metabolism 0 citations
Journal unavailable
https://exaly.com/article/74089212

20 The Toxin-Antitoxin MazEF Drives Staphylococcus aureus Biofilm Formation, Antibiotic Tolerance, and Chronic Infection. 113 citations
MBio
https://exaly.com/article/74283857

2018

21 Mammalian Target of Rapamycin Regulates a Hyperresponsive State in Pulmonary Neutrophils Late After Burn Injury 24 citations
Journal of Leukocyte Biology · 103, 909-918
https://exaly.com/article/69003416

22 Genome Plasticity of Agr-Defective Staphylococcus aureus During Clinical Infection. 58 citations
Infection and Immunity
https://exaly.com/article/71285619

23 Peroxisome Proliferator-Activated Receptor γ Is Essential for the Resolution of Staphylococcus aureus Skin Infections 36 citations
Cell Host and Microbe · 24, 261-270.e4
https://exaly.com/article/71327987

24 Genetic Requirements for Staphylococcus aureus Nitric Oxide Resistance and Virulence 76 citations
PLoS Pathogens · 14, e1006907
https://exaly.com/article/87058443

Ordered by publication year, newest first

2017

25 Metabolic Stress Drives Keratinocyte Defenses Against Staphylococcus aureus Infection
88 citations
Cell Reports · 18, 2742-2751
https://exaly.com/article/66674869

26 The Journal of Immunology | Oxford Academic
43 citations
Journal of Immunology · 198, 1263-1273
https://exaly.com/article/66730177

2016

27 Expanded Glucose Import Capability Affords Staphylococcus aureus Optimized Glycolytic Flux During Infection.
122 citations
MBio
https://exaly.com/article/63413070

28 Staphylococcus aureus Lactate- and Malate-Quinone Oxidoreductases Contribute to Nitric Oxide Resistance and Virulence
41 citations
Molecular Microbiology · 100, 759-773
https://exaly.com/article/63501333

29 Regulatory Requirements for Staphylococcus aureus Nitric Oxide Resistance.
47 citations
Journal of Bacteriology · 198, 2043-55
https://exaly.com/article/64015480

30 Editorial Overview: Host-Microbe Interactions: Bacteria: Secretion Systems, Effectors, Immunity and Metabolism
2 citations
Current Opinion in Microbiology · 29, v-vii
https://exaly.com/article/65656152

2015

31 Regulating the Intersection of Metabolism and Pathogenesis in Gram-Positive Bacteria.
111 citations
Microbiology Spectrum
https://exaly.com/article/60917777

32 Regulating the Intersection of Metabolism and Pathogenesis in Gram-Positive Bacteria
6 citations
Journal unavailable
https://exaly.com/article/60964426

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2015 / continued

33 Glycolytic Dependency of High-Level Nitric Oxide Resistance and Virulence in Staphylococcus aureus. 142 citations

MBio

https://exaly.com/article/62546701

2014

34 Method for Preparation and Electroporation of S. Aureus and S. Epidermidis 40 citations

Methods in Molecular Biology · 1373, 51-57

https://exaly.com/article/58148923

35 Discovery and Optimization of a New Class of Pyruvate Kinase Inhibitors as Potential Therapeutics for the Treatment of Methicillin-Resistant Staphylococcus aureus Infections 63 citations

Bioorganic and Medicinal Chemistry · 22, 1708-1725

https://exaly.com/article/58814280

36 Contribution of the Nos-Pdt Operon to Virulence Phenotypes in Methicillin-Sensitive Staphylococcus aureus 37 citations

PLoS ONE · 9, e108868

https://exaly.com/article/87012693

2013

37 Functional Modularity of the Arginine Catabolic Mobile Element Contributes to the Success of USA300 Methicillin-Resistant Staphylococcus aureus 186 citations

Cell Host and Microbe · 13, 100-107

https://exaly.com/article/55006272

38 Laboratory Maintenance of Methicillin-Resistant Staphylococcus aureus (MRSA) 52 citations

Current Protocols in Microbiology · 28, 9C.2.1-9C.2.14

https://exaly.com/article/55940070

39 PanG, a New Ketopantoate Reductase Involved in Pantothenate Synthesis. 25 citations

Journal of Bacteriology · 195, 965-76

https://exaly.com/article/56535590

40 CcpA-Independent Glucose Regulation of Lactate Dehydrogenase 1 in Staphylococcus aureus 37 citations

PLoS ONE · 8, e54293

https://exaly.com/article/57192583

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2012

41 Virulence Strategies of the Dominant USA300 Lineage of Community-Associated Methicillin-Resistant Staphylococcus aureus (CA-MRSA). 139 citations

FEMS Immunology and Medical Microbiology · 65, 5-22

https://exaly.com/article/54472292

2011

42 Multiple Targets of Nitric Oxide in the Tricarboxylic Acid Cycle of Salmonella enterica Serovar Typhimurium 131 citations

Cell Host and Microbe · 10, 33-43

https://exaly.com/article/50242035

43 Identification of a Lactate-Quinone Oxidoreductase in Staphylococcus aureus That Is Essential for Virulence 82 citations

Frontiers in Cellular and Infection Microbiology · 1, 17416

https://exaly.com/article/50658058

44 Arginine Catabolic Mobile Element Encoded speG Abrogates the Unique Hypersensitivity of Staphylococcus aureus to Exogenous Polyamines 145 citations

Molecular Microbiology · 82, 9-20

https://exaly.com/article/50981151

2010

45 Nutrient Availability as a Mechanism for Selection of Antibiotic Tolerant Pseudomonas aeruginosa Within the CF Airway 119 citations

PLoS Pathogens · 6, e1000712

https://exaly.com/article/49116904

2009

46 The Base Excision Repair System of Salmonella enterica Serovar Typhimurium Counteracts DNA Damage by Host Nitric Oxide 64 citations

PLoS Pathogens · 5, e1000451

https://exaly.com/article/45720590

2008

47 A Nitric Oxide–Inducible Lactate Dehydrogenase Enables Staphylococcus aureus to Resist Innate Immunity 279 citations

Science · 319, 1672-6

https://exaly.com/article/43844228

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2008 / continued

48 **Identification of a Repressor of a Truncated Denitrification Pathway in Moraxella catarrhalis.**

24 citations

Journal of Bacteriology · 190, 7762-72

https://exaly.com/article/44600592

2006

49 **The Nitrosative Stress Response of Staphylococcus aureus Is Required for Resistance to Innate Immunity**

228 citations

Molecular Microbiology · 61, 927-939

https://exaly.com/article/40420936

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