

# Daria Van Tyne

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62 papers	1,741 citations	20 h-index	41 g-index
77 ext. papers	2,363 ext. citations	8.6 avg, IF	4.85 L-index

#	Paper	IF	Citations
62	A new class of synthetic retinoid antibiotics effective against bacterial persisters. <i>Nature</i> , <b>2018</b> , 556, 103-107	50.4	216
61	Structure of the SAM-II riboswitch bound to S-adenosylmethionine. <i>Nature Structural and Molecular Biology</i> , <b>2008</b> , 15, 177-82	17.6	206
60	Friend turned foe: evolution of enterococcal virulence and antibiotic resistance. <i>Annual Review of Microbiology</i> , <b>2014</b> , 68, 337-56	17.5	108
59	A global transcriptional analysis of Plasmodium falciparum malaria reveals a novel family of telomere-associated lncRNAs. <i>Genome Biology</i> , <b>2011</b> , 12, R56	18.3	99
58	Structure, function, and biology of the Enterococcus faecalis cytolysin. <i>Toxins</i> , <b>2013</b> , 5, 895-911	4.9	90
57	Sequence-based association and selection scans identify drug resistance loci in the Plasmodium falciparum malaria parasite. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 13052-7	11.5	85
56	Hybrid selection for sequencing pathogen genomes from clinical samples. <i>Genome Biology</i> , <b>2011</b> , 12, R73	18.3	80
55	Pathogenicity of Enterococci. <i>Microbiology Spectrum</i> , <b>2019</b> , 7,	8.9	78
54	Genetic surveillance detects both clonal and epidemic transmission of malaria following enhanced intervention in Senegal. <i>PLoS ONE</i> , <b>2013</b> , 8, e60780	3.7	71
53	Identification and functional validation of the novel antimalarial resistance locus PF10_0355 in Plasmodium falciparum. <i>PLoS Genetics</i> , <b>2011</b> , 7, e1001383	6	71
52	Cohesin regulates VSG monoallelic expression in trypanosomes. <i>Journal of Cell Biology</i> , <b>2009</b> , 186, 243-54.3	5.3	68
51	Discrimination between closely related cellular metabolites by the SAM-I riboswitch. <i>Journal of Molecular Biology</i> , <b>2010</b> , 396, 761-72	6.5	55
50	Promysalin Elicits Species-Selective Inhibition of Pseudomonas aeruginosa by Targeting Succinate Dehydrogenase. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 1774-1782	16.4	46
49	Identification of a Functionally Unique Family of Penicillin-Binding Proteins. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 17727-17730	16.4	33
48	Enrichment of reticulocytes from whole blood using aqueous multiphase systems of polymers. <i>American Journal of Hematology</i> , <b>2015</b> , 90, 31-6	7.1	31
47	Evolution of Outbreak-Causing Carbapenem-Resistant Klebsiella pneumoniae ST258 at a Tertiary Care Hospital over 8 Years. <i>MBio</i> , <b>2019</b> , 10,	7.8	27
46	SNP genotyping identifies new signatures of selection in a deep sample of West African Plasmodium falciparum malaria parasites. <i>Molecular Biology and Evolution</i> , <b>2012</b> , 29, 3249-53	8.3	27

45	Polymorphism in dhfr/dhps genes, parasite density and ex vivo response to pyrimethamine in Plasmodium falciparum malaria parasites in Thies, Senegal. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , <b>2013</b> , 3, 135-42	4	22
44	Changes in drug sensitivity and anti-malarial drug resistance mutations over time among Plasmodium falciparum parasites in Senegal. <i>Malaria Journal</i> , <b>2013</b> , 12, 441	3.6	21
43	Systematic detection of horizontal gene transfer across genera among multidrug-resistant bacteria in a single hospital. <i>ELife</i> , <b>2020</b> , 9,	8.9	21
42	Live imaging of mitochondria and hydrogenosomes by HaloTag technology. <i>PLoS ONE</i> , <b>2012</b> , 7, e36314	3.7	19
41	Resistance in In Vitro Selected Tigecycline-Resistant Methicillin-Resistant Staphylococcus aureus Sequence Type 5 Is Driven by Mutations in mepR and mepA Genes. <i>Microbial Drug Resistance</i> , <b>2018</b> , 24, 519-526	2.9	17
40	Outbreak of Vancomycin-resistant Enterococcus faecium in Interventional Radiology: Detection Through Whole-genome Sequencing-based Surveillance. <i>Clinical Infectious Diseases</i> , <b>2020</b> , 70, 2336-2343	11.6	17
39	Chicken Meat-Associated Enterococci: Influence of Agricultural Antibiotic Use and Connection to the Clinic. <i>Applied and Environmental Microbiology</i> , <b>2019</b> , 85,	4.8	16
38	Human cerebral malaria and Plasmodium falciparum genotypes in Malawi. <i>Malaria Journal</i> , <b>2012</b> , 11, 35	3.6	16
37	Considerations for the Use of Phage Therapy in Clinical Practice.. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2022</b> , AAC0207121	5.9	16
36	Evolution of vancomycin-resistant during colonization and infection in immunocompromised pediatric patients. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 11703-11714	11.5	14
35	Raising the Alarm: Within-Host Evolution of Antibiotic-Tolerant. <i>MBio</i> , <b>2017</b> , 8,	7.8	13
34	Impact of antibiotic treatment and host innate immune pressure on enterococcal adaptation in the human bloodstream. <i>Science Translational Medicine</i> , <b>2019</b> , 11,	17.5	13
33	Finding Order in the Chaos: Outstanding Questions in Klebsiella pneumoniae Pathogenesis. <i>Infection and Immunity</i> , <b>2021</b> , 89,	3.7	13
32	Novel Phagocytosis-Resistant Extended-Spectrum $\beta$ -Lactamase-Producing Escherichia coli From Keratitis. <i>JAMA Ophthalmology</i> , <b>2016</b> , 134, 1306-1309	3.9	11
31	Modulation of PF10_0355 (MSPDBL2) alters Plasmodium falciparum response to antimalarial drugs. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2013</b> , 57, 2937-41	5.9	11
30	Staphylococcus aureus from ocular and otolaryngology infections are frequently resistant to clinically important antibiotics and are associated with lineages of community and hospital origins. <i>PLoS ONE</i> , <b>2018</b> , 13, e0208518	3.7	11
29	Patient-to-Patient Transmission of Klebsiella pneumoniae Carbapenemase Variants with Reduced Ceftazidime-Avibactam Susceptibility. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2019</b> , 63,	5.9	10
28	Susceptibility of Multidrug-Resistant Pseudomonas aeruginosa following Treatment-Emergent Resistance to Ceftolozane-Tazobactam. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2021</b> , 65,	5.9	9

27	Bacterial evolution during human infection: Adapt and live or adapt and die. <i>PLoS Pathogens</i> , <b>2021</b> , 17, e1009872	7.6	9
26	Stressed erythrophagocytosis induces immunosuppression during sepsis through heme-mediated STAT1 dysregulation. <i>Journal of Clinical Investigation</i> , <b>2021</b> , 131,	15.9	8
25	Plasmodium falciparum gene expression measured directly from tissue during human infection. <i>Genome Medicine</i> , <b>2014</b> , 6, 110	14.4	6
24	A mutation in the glycosyltransferase gene <i>lafB</i> causes daptomycin hypersusceptibility in <i>Enterococcus faecium</i> . <i>Journal of Antimicrobial Chemotherapy</i> , <b>2020</b> , 75, 36-45	5.1	6
23	Clinical and Genomic Epidemiology of Carbapenem-Nonsusceptible spp. at a Tertiary Health Care Center over 2 Decades. <i>Journal of Clinical Microbiology</i> , <b>2020</b> , 58,	9.7	5
22	Molecular basis for the emergence of a new hospital endemic tigecycline-resistant <i>Enterococcus faecalis</i> ST103 lineage. <i>Infection, Genetics and Evolution</i> , <b>2019</b> , 67, 23-32	4.5	5
21	Dual defensin strategy for targeting <i>Enterococcus faecalis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 19980-1	11.5	4
20	Pathogenicity of <i>Enterococci</i> <b>2019</b> , 378-397		4
19	Two Cases of Newly Characterized <i>Neisseria</i> Species, Brazil. <i>Emerging Infectious Diseases</i> , <b>2020</b> , 26, 366-369	36.2	3
18	Propyl-5-hydroxy-3-methyl-1-phenyl-1H-pyrazole-4-carbodithioate (HMPC): a new bacteriostatic agent against methicillin-resistant <i>Staphylococcus aureus</i> . <i>Scientific Reports</i> , <b>2018</b> , 8, 7062	4.9	3
17	Virulence Plasmids of Nonsporulating Gram-Positive Pathogens. <i>Microbiology Spectrum</i> , <b>2014</b> , 2,	8.9	3
16	Whole Genome Sequencing Surveillance and Machine Learning of the Electronic Health Record for Enhanced Healthcare Outbreak Detection. <i>Clinical Infectious Diseases</i> , <b>2021</b> ,	11.6	3
15	Outbreak of <i>Pseudomonas aeruginosa</i> Infections from a Contaminated Gastroscope Detected by Whole Genome Sequencing Surveillance. <i>Clinical Infectious Diseases</i> , <b>2021</b> , 73, e638-e642	11.6	3
14	High-Quality Draft Genome Sequence of the Multidrug-Resistant Clinical Isolate <i>Enterococcus faecium</i> VRE16. <i>Genome Announcements</i> , <b>2016</b> , 4,		2
13	A delicate balance: maintaining mutualism to prevent disease. <i>Cell Host and Microbe</i> , <b>2014</b> , 16, 425-7	23.4	2
12	Author response: Systematic detection of horizontal gene transfer across genera among multidrug-resistant bacteria in a single hospital <b>2020</b> ,		2
11	<i>Enterococci</i> from Wild Magellanic Penguins ( <i>Spheniscus magellanicus</i> ) as an Indicator of Marine Ecosystem Health and Human Impact. <i>Applied and Environmental Microbiology</i> , <b>2020</b> , 86,	4.8	2
10	Transmission Dynamics and Microevolution of <i>Neisseria meningitidis</i> During Carriage and Invasive Disease in High School Students in Georgia and Maryland, 2006-2007. <i>Journal of Infectious Diseases</i> , <b>2021</b> , 223, 2038-2047	7	2

9	Reduced ceftazidime and ertapenem susceptibility due to production of OXA-2 in <i>Klebsiella pneumoniae</i> ST258. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2019</b> , 74, 2203-2208	5.1	1
8	Long-Term Colonization Dynamics of <i>Enterococcus faecalis</i> in Implanted Devices in Research Macaques. <i>Applied and Environmental Microbiology</i> , <b>2018</b> , 84,	4.8	1
7	Genomic and phenotypic diversity of <i>Enterococcus faecalis</i> isolated from endophthalmitis. <i>PLoS ONE</i> , <b>2021</b> , 16, e0250084	3.7	1
6	485. Clinical and Molecular Epidemiology of Carbapenem Non-susceptible <i>Citrobacter</i> sp.. <i>Open Forum Infectious Diseases</i> , <b>2019</b> , 6, S237-S238	1	1
5	Convergent Evolution of Antibiotic Tolerance in Patients with Persistent Methicillin-Resistant <i>Staphylococcus aureus</i> Bacteremia.. <i>Infection and Immunity</i> , <b>2022</b> , e0000122	3.7	1
4	Genomic characterization of lytic bacteriophages targeting genetically diverse <i>Pseudomonas aeruginosa</i> clinical isolates. <i>IScience</i> , <b>2022</b> , 104372	6.1	1
3	Isolation and Characterization of Lytic Bacteriophages Targeting Diverse <i>Enterobacter</i> spp. Clinical Isolates. <i>Phage</i> , <b>2022</b> , 3, 50-58	1.8	0
2	Carbapenem-Resistant <i>Acinetobacter baumannii</i> in U.S. Hospitals: Diversification of Circulating Lineages and Antimicrobial Resistance.. <i>MBio</i> , <b>2022</b> , e0275921	7.8	0
1	Virulence Plasmids of Nonsporulating Gram-Positive Pathogens559-576		