

# Michael B Prentice

## List of Publications by Year in descending order

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Version: 2024-02-01

56  
papers

4,005  
citations

304743

22  
h-index

189892

50  
g-index

58  
all docs

58  
docs citations

58  
times ranked

4183  
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome sequence of <i>Yersinia pestis</i> , the causative agent of plague. <i>Nature</i> , 2001, 413, 523-527.	27.8	1,144
2	Plague. <i>Lancet</i> , The, 2007, 369, 1196-1207.	13.7	295
3	The Complete Genome Sequence and Comparative Genome Analysis of the High Pathogenicity <i>Yersinia enterocolitica</i> Strain 8081. <i>PLoS Genetics</i> , 2006, 2, e206.	3.5	227
4	Synthesis of Empty Bacterial Microcompartments, Directed Organelle Protein Incorporation, and Evidence of Filament-Associated Organelle Movement. <i>Molecular Cell</i> , 2010, 38, 305-315.	9.7	200
5	Combined Analysis of Variation in Core, Accessory and Regulatory Genome Regions Provides a Super-Resolution View into the Evolution of Bacterial Populations. <i>PLoS Genetics</i> , 2016, 12, e1006280.	3.5	177
6	Solution Structure of a Bacterial Microcompartment Targeting Peptide and Its Application in the Construction of an Ethanol Bioreactor. <i>ACS Synthetic Biology</i> , 2014, 3, 454-465.	3.8	175
7	Absence of <i>Yersinia pestis</i> -specific DNA in human teeth from five European excavations of putative plague victims. <i>Microbiology (United Kingdom)</i> , 2004, 150, 341-354.	1.8	168
8	Application of DNA Microarrays to Study the Evolutionary Genomics of <i>Yersinia pestis</i> and <i>Yersinia pseudotuberculosis</i> . <i>Genome Research</i> , 2003, 13, 2018-2029.	5.5	154
9	Parallel independent evolution of pathogenicity within the genus <i>Yersinia</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 6768-6773.	7.1	154
10	Biochemical and Structural Insights into Bacterial Organelle Form and Biogenesis. <i>Journal of Biological Chemistry</i> , 2008, 283, 14366-14375.	3.4	133
11	The 102-Kilobase Unstable Region of <i>Yersinia pestis</i> Comprises a High-Pathogenicity Island Linked to a Pigmentation Segment Which Undergoes Internal Rearrangement. <i>Journal of Bacteriology</i> , 1998, 180, 2321-2329.	2.2	133
12	<i>Lactobacillus reuteri</i> DSM 20016 Produces Cobalamin-Dependent Diol Dehydratase in Metabolosomes and Metabolizes 1,2-Propanediol by Disproportionation. <i>Journal of Bacteriology</i> , 2008, 190, 4559-4567.	2.2	131
13	Review: The Use of Real-Time Fluorescence Instrumentation to Monitor Ambient Primary Biological Aerosol Particles (PBAP). <i>Atmosphere</i> , 2018, 9, 1.	2.3	127
14	Bacterial microcompartments moving into a synthetic biological world. <i>Journal of Biotechnology</i> , 2013, 163, 273-279.	3.8	92
15	<i>Yersinia Enterocolitica</i> : A Brief Review of the Issues Relating to the Zoonotic Pathogen, Public Health Challenges, and the Pork Production Chain. <i>Foodborne Pathogens and Disease</i> , 2012, 9, 179-189.	1.8	81
16	Substrate channels revealed in the trimeric <i>Lactobacillus reuteri</i> bacterial microcompartment shell protein PduB. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2012, 68, 1642-1652.	2.5	57
17	<i>Yersinia pestis</i> pFra Shows Biovar-Specific Differences and Recent Common Ancestry with a <i>Salmonella enterica</i> Serovar Typhi Plasmid. <i>Journal of Bacteriology</i> , 2001, 183, 2586-2594.	2.2	56
18	Bacterial microcompartment-directed polyphosphate kinase promotes stable polyphosphate accumulation in <i>E. coli</i> . <i>Biotechnology Journal</i> , 2017, 12, 1600415.	3.5	53

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19	The High-Pathogenicity Island of <i>Yersinia enterocolitica</i> Ye8081 Undergoes Low-Frequency Deletion but Not Precise Excision, Suggesting Recent Stabilization in the Genome. <i>Infection and Immunity</i> , 1999, 67, 5091-5099.	2.2	42
20	Characterisation and distribution of a cryptic <i>Salmonella typhi</i> plasmid pHCM2. <i>Plasmid</i> , 2002, 47, 159-171.	1.4	36
21	Dynamics of a Lotka-Volterra type model with applications to marine phage population dynamics. <i>Journal of Physics: Conference Series</i> , 2006, 55, 80-93.	0.4	31
22	Bacterial microcompartments and their role in pathogenicity. <i>Current Opinion in Microbiology</i> , 2021, 63, 19-28.	5.1	25
23	Was the Black Death caused by <i>Yersinia pestis</i> ?. <i>Lancet Infectious Diseases</i> , The, 2004, 4, 72.	9.1	23
24	All <i>Yersinia enterocolitica</i> are pathogenic: virulence of phylogroup 1 <i>Y. enterocolitica</i> in a <i>Galleria mellonella</i> infection model. <i>Microbiology (United Kingdom)</i> , 2016, 162, 1379-1387.	1.8	22
25	<i>Y. enterocolitica</i> and <i>Y. pseudotuberculosis</i> . , 2006, , 270-398.		21
26	Bacterial Microcompartment-Mediated Ethanolamine Metabolism in <i>Escherichia coli</i> Urinary Tract Infection. <i>Infection and Immunity</i> , 2019, 87, .	2.2	21
27	<i>Mycobacterium bovis</i> Strains Causing Smear-Positive Human Tuberculosis, Southwest Ireland. <i>Emerging Infectious Diseases</i> , 2008, 14, 1931-1934.	4.3	19
28	A plasmid immunization construct encoding urease B of <i>Helicobacter pylori</i> induces an antigen-specific antibody response and upregulates the expression of $\beta$ -defensins and IL-10 in the stomachs of immunized mice. <i>Vaccine</i> , 2004, 22, 2651-2659.	3.8	15
29	<i>Actinomyces meyeri</i> brain abscess following dental extraction. <i>BMJ Case Reports</i> , 2015, 2015, bcr2014207548-bcr2014207548.	0.5	15
30	<i>Yersinia enterocolitica</i> and mycotic aneurysm. <i>Lancet</i> , The, 1993, 341, 1535-1536.	13.7	14
31	Molecular epidemiology of <i>Mycobacterium abscessus</i> complex isolates in Ireland. <i>Journal of Cystic Fibrosis</i> , 2016, 15, 179-185.	0.7	14
32	Effect of metabolosome encapsulation peptides on enzyme activity, coaggregation, incorporation, and bacterial microcompartment formation. <i>MicrobiologyOpen</i> , 2020, 9, e1010.	3.0	14
33	Real-time Monitoring of Aerosol Generating Dental Procedures. <i>Journal of Dentistry</i> , 2022, 120, 104092.	4.1	14
34	First report: <i>Yersinia enterocolitica</i> recovered from canine tonsils. <i>Veterinary Microbiology</i> , 2010, 146, 336-339.	1.9	13
35	Assessment of Environmental and Occupational Risk Factors for the Mitigation and Containment of a COVID-19 Outbreak in a Meat Processing Plant. <i>Frontiers in Public Health</i> , 2021, 9, 769238.	2.7	12
36	Molecular epidemiology of <i>Mycobacterium tuberculosis</i> clinical isolates in Southwest Ireland. <i>Infection, Genetics and Evolution</i> , 2010, 10, 1110-1116.	2.3	10

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37	Bartonella infection: A significant cause of native valve endocarditis necessitating surgical management. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2000, 119, 171-172.	0.8	9
38	Cobalamin Synthesis in <i>Yersinia enterocolitica</i> 8081. <i>Advances in Experimental Medicine and Biology</i> , 2004, 529, 43-46.	1.6	9
39	Containment of procedure-associated aerosols by an extractor tent: effect on nebulized drug particle dispersal. <i>Journal of Hospital Infection</i> , 2021, 110, 108-113.	2.9	8
40	Comparative Genome Analyses of the Pathogenic <i>Yersiniae</i> Based on the Genome Sequence of <i>Yersinia enterocolitica</i> Strain 8081. <i>Advances in Experimental Medicine and Biology</i> , 2007, 603, 2-16.	1.6	8
41	Construction of a <i>Yersinia pestis</i> Microarray. <i>Advances in Experimental Medicine and Biology</i> , 2004, 529, 47-50.	1.6	7
42	Effectiveness of a plasma treatment device on microbial air quality in a hospital ward, monitored by culture. <i>Journal of Hospital Infection</i> , 2021, 108, 109-112.	2.9	6
43	Antimicrobial susceptibility of long term care facility and general practice urine samples in patients 65 years and older: an observational study. <i>European Journal of Public Health</i> , 2016, 27, ckw138.	0.3	5
44	Varicella Zoster Reactivation Causing Aseptic Meningitis in Healthy Adolescents. <i>Pediatric Infectious Disease Journal</i> , 2020, 39, e278-e282.	2.0	5
45	Infectious complications of blood transfusion.. <i>BMJ: British Medical Journal</i> , 1990, 300, 678-679.	2.3	4
46	Classification of polyhedral shapes from individual anisotropically resolved cryo-electron tomography reconstructions. <i>BMC Bioinformatics</i> , 2016, 17, 234.	2.6	4
47	Response to Drancourt and Raoult. <i>Microbiology (United Kingdom)</i> , 2004, 150, 264-265.	1.8	4
48	Current evidence for human yersiniosis in Ireland. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2012, 31, 2969-2981.	2.9	3
49	Tracking Yeast Metabolism and the Crabtree Effect in Real Time via CO <sub>2</sub> Production using Broadband Acoustic Resonance Dissolution Spectroscopy (BARDS). <i>Journal of Biotechnology</i> , 2020, 308, 63-73.	3.8	3
50	Real-time Monitoring of Aerosols Generated from Toilet Flushing. <i>Access Microbiology</i> , 2020, 2, .	0.5	1
51	Letter to the editor. <i>Hematological Oncology</i> , 1987, 5, 71-72.	1.7	0
52	Rapid identification of <i>Staphylococcus aureus</i> strains without clumping factor, protein A, or DNase. <i>Lancet, The</i> , 1991, 338, 886.	13.7	0
53	Comparison of Signal and Bactec NR-660 blood culture systems. <i>Journal of Applied Bacteriology</i> , 1993, 74, 417-420.	1.1	0
54	Antimicrobial prescribing. <i>Journal of Clinical Pathology</i> , 1999, 52, 874-875.	2.0	0

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55	Preliminary Survey Regarding Yersiniosis in Ireland. <i>Advances in Experimental Medicine and Biology</i> , 2012, 954, 59-61.	1.6	0
56	Prevention of Nebulised Drug Dispersal using an Extractor Tent. <i>Access Microbiology</i> , 2020, 2, .	0.5	0