

Benjamin P Howden

List of Publications by Year in Descending Order

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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.

270
papers

8,924
citations

46
h-index

85
g-index

308
ext. papers

11,327
ext. citations

7.6
avg, IF

6.17
L-index

#	Paper	IF	Citations
270	Optimising genomic approaches for identifying vancomycin-resistant <i>Enterococcus faecium</i> transmission in healthcare settings.. <i>Nature Communications</i> , 2022 , 13, 509	17.4	2
269	The interplay between community and hospital clones within health-care settings: a genomic analysis.. <i>Lancet Microbe</i> , 2022 , 3, e133-e141	22.2	1
268	AusTrakka: Fast-tracking nationalized genomics surveillance in response to the COVID-19 pandemic.. <i>Nature Communications</i> , 2022 , 13, 865	17.4	0
267	Lab-in-a-van: Rapid SARS-CoV-2 testing response with a mobile laboratory.. <i>EBioMedicine</i> , 2022 , 79, 103983	8.3	0
266	Multi-site implementation of whole genome sequencing for hospital infection control: A prospective genomic epidemiological analysis.. <i>The Lancet Regional Health - Western Pacific</i> , 2022 , 23, 100446	5	0
265	State-wide genomic epidemiology investigations of COVID-19 in healthcare workers in 2020 Victoria, Australia: Qualitative thematic analysis to provide insights for future pandemic preparedness. <i>The Lancet Regional Health - Western Pacific</i> , 2022 , 25, 100487	5	0
264	Daptomycin Resistance Occurs Predominantly in -Type Vancomycin-Resistant in Australasia and Is Associated With Heterogeneous and Novel Mutations. <i>Frontiers in Microbiology</i> , 2021 , 12, 749935	5.7	1
263	Patient-focused pathogen genetic counselling-has the time come?. <i>Genome Medicine</i> , 2021 , 13, 178	14.4	0
262	Second SARS-CoV-2 infections twelve months after initial infections in Australia, confirmed by genomic analysis. <i>Medical Journal of Australia</i> , 2021 ,	4	0
261	Towards Equitable Access to Public Health Pathogen Genomics in the Western Pacific. <i>The Lancet Regional Health - Western Pacific</i> , 2021 , 100321	5	0
260	Emergence and global spread of main clinical clonal complex. <i>Science Advances</i> , 2021 , 7, eabj9805	14.3	4
259	Analytical sensitivity and specificity of the Cepheid Xpert Xpress SARS-CoV-2/Flu/RSV assay. <i>Pathology</i> , 2021 ,	1.6	1
258	A multi-institutional outbreak of New Delhi metallo-β-lactamase-producing with subsequent acquisition of the carbapenemase gene. <i>Infection Control and Hospital Epidemiology</i> , 2021 , 42, 1124-1127 ²		
257	Pilot study of a combined genomic and epidemiologic surveillance program for hospital-acquired multidrug-resistant pathogens across multiple hospital networks in Australia. <i>Infection Control and Hospital Epidemiology</i> , 2021 , 42, 573-581	2	5
256	Search and Contain: Impact of an Integrated Genomic and Epidemiological Surveillance and Response Program for Control of Carbapenemase-producing Enterobacteriales. <i>Clinical Infectious Diseases</i> , 2021 , 73, e3912-e3920	11.6	1
255	Viral Genomics to Inform Infection-control Response in Occupational Coronavirus Disease 2019 (COVID-19) Transmission. <i>Clinical Infectious Diseases</i> , 2021 , 73, e1881-e1884	11.6	0
254	Nonclassical Pathogens as Causative Agents of Proctitis in Men who Have Sex With Men. <i>Open Forum Infectious Diseases</i> , 2021 , 8, ofab137	1	0

253	Genomic Insights Into Last-Line Antimicrobial Resistance in Multidrug-Resistant and Vancomycin-Resistant. <i>Frontiers in Microbiology</i> , 2021 , 12, 637656	5.7	4
252	The global dissemination of hospital clones of <i>Enterococcus faecium</i> . <i>Genome Medicine</i> , 2021 , 13, 52	14.4	10
251	Reflex Detection of Ciprofloxacin Resistance in <i>Neisseria gonorrhoeae</i> by Use of the SpeedX ResistancePlus GC Assay. <i>Journal of Clinical Microbiology</i> , 2021 , 59,	9.7	3
250	Multi-site assessment of rapid, point-of-care antigen testing for the diagnosis of SARS-CoV-2 infection in a low-prevalence setting: A validation and implementation study. <i>The Lancet Regional Health - Western Pacific</i> , 2021 , 9, 100115	5	12
249	Clinical relevance of topical antibiotic use in co-selecting for multidrug-resistant : Insights from and models. <i>Antimicrobial Agents and Chemotherapy</i> , 2021 ,	5.9	1
248	Population genomics provides insights into the evolution and adaptation to humans of the waterborne pathogen <i>Mycobacterium kansasii</i> . <i>Nature Communications</i> , 2021 , 12, 2491	17.4	5
247	Surveillance for SARS-CoV-2 variants of concern in the Australian context. <i>Medical Journal of Australia</i> , 2021 , 214, 500-502.e1	4	5
246	Cell Membrane Adaptations Mediate β -Lactam-Induced Resensitization of Daptomycin-Resistant (DAP-R) In Vitro. <i>Microorganisms</i> , 2021 , 9,	4.9	3
245	Antiseptic mouthwash for gonorrhoea prevention (OMEGA): a randomised, double-blind, parallel-group, multicentre trial. <i>Lancet Infectious Diseases, The</i> , 2021 , 21, 647-656	25.5	15
244	Analysis of Hepatitis B Virus Haplotype Diversity Detects Striking Sequence Conservation Across Genotypes and Chronic Disease Phase. <i>Hepatology</i> , 2021 , 73, 1652-1670	11.2	4
243	Clinical manifestations of invasive meningococcal disease in Victoria with the emergence of serogroup W and serogroup Y <i>Neisseria meningitidis</i> . <i>Internal Medicine Journal</i> , 2021 , 51, 390-397	1.6	1
242	Sample pooling on the Cepheid Xpert [®] Xpress SARS-CoV-2 assay. <i>Diagnostic Microbiology and Infectious Disease</i> , 2021 , 99, 115238	2.9	8
241	Short-term increase in the carriage of azithromycin-resistant and in mothers and their newborns following intra-partum azithromycin: a post hoc analysis of a double-blind randomized trial. <i>JAC-Antimicrobial Resistance</i> , 2021 , 3, dlaa128	2.9	
240	Absence of high priority critically important antimicrobial resistance in <i>Salmonella</i> sp. isolated from Australian commercial egg layer environments. <i>International Journal of Food Microbiology</i> , 2021 , 340, 109042	5.8	3
239	Detection of SARS-CoV-2 in saliva: implications for specimen transport and storage. <i>Journal of Medical Microbiology</i> , 2021 , 70,	3.2	9
238	Reporting practices for genomic epidemiology of tuberculosis: a systematic review of the literature using STROME-ID guidelines as a benchmark. <i>Lancet Microbe, The</i> , 2021 , 2, e115-e129	22.2	
237	An implementation science approach to evaluating pathogen whole genome sequencing in public health. <i>Genome Medicine</i> , 2021 , 13, 121	14.4	6
236	Defective Severe Acute Respiratory Syndrome Coronavirus 2 Immune Responses in an Immunocompromised Individual With Prolonged Viral Replication. <i>Open Forum Infectious Diseases</i> , 2021 , 8, ofab359	1	0

235	Key parameters for genomics-based real-time detection and tracking of multidrug-resistant bacteria: a systematic analysis.. <i>Lancet Microbe, The</i> , 2021 , 2, e575-e583	22.2	6
234	Evolutionary dynamics of multidrug resistant Salmonella enterica serovar 4,[5],12:i:- in Australia. <i>Nature Communications</i> , 2021 , 12, 4786	17.4	4
233	Accessible Platform for High-Throughput COVID-19 Molecular Diagnostics and Genome Sequencing Using a Repurposed 3D Printer for RNA Extraction. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 4669-4676	5.5	1
232	Genomics-informed responses in the elimination of COVID-19 in Victoria, Australia: an observational, genomic epidemiological study. <i>Lancet Public Health, The</i> , 2021 , 6, e547-e556	22.4	17
231	Development of Phylodynamic Methods for Bacterial Pathogens. <i>Trends in Microbiology</i> , 2021 , 29, 788-797	7.4	3
230	Genomic Epidemiology and Antimicrobial Resistance Mechanisms of Imported Typhoid in Australia. <i>Antimicrobial Agents and Chemotherapy</i> , 2021 , 65, e0120021	5.9	1
229	Multi-site point of care assessment of Abbott ID NOW rapid molecular test for SARS-CoV-2 in a low-prevalence setting. <i>Pathology</i> , 2021 , 53, 912-914	1.6	1
228	Low-Cost, Open-Source Device for High-Performance Fluorescence Detection of Isothermal Nucleic Acid Amplification Reactions. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 4982-4990	5.5	0
227	Use of emerging testing technologies and approaches for SARS-CoV-2: review of literature and global experience in an Australian context. <i>Pathology</i> , 2021 , 53, 689-699	1.6	4
226	Significant variability exists in the cytotoxicity of global methicillin-resistant lineages.. <i>Microbiology (United Kingdom)</i> , 2021 , 167,	2.9	1
225	Added Value of Genomic Surveillance of Virulence Factors in Shiga Toxin-Producing in New South Wales, Australia.. <i>Frontiers in Microbiology</i> , 2021 , 12, 713724	5.7	0
224	Comprehensive Genomic Investigation of Adaptive Mutations Driving the Low-Level Oxacillin Resistance Phenotype in Staphylococcus aureus. <i>MBio</i> , 2020 , 11,	7.8	8
223	Incursions of Candida auris into Australia, 2018. <i>Emerging Infectious Diseases</i> , 2020 , 26, 1326-1328	10.2	7
222	Prolonged Exposure to β -Lactam Antibiotics Reestablishes Susceptibility of Daptomycin-Nonsusceptible Staphylococcus aureus to Daptomycin. <i>Antimicrobial Agents and Chemotherapy</i> , 2020 , 64,	5.9	8
221	induces cell-surface expression of immune stimulatory NKG2D ligands on human monocytes. <i>Journal of Biological Chemistry</i> , 2020 , 295, 11803-11821	5.4	2
220	Diversity of bacteriophages encoding Panton-Valentine leukocidin in temporally and geographically related Staphylococcus aureus. <i>PLoS ONE</i> , 2020 , 15, e0228676	3.7	5
219	Effect of Vancomycin or Daptomycin With vs Without an Antistaphylococcal β -Lactam on Mortality, Bacteremia, Relapse, or Treatment Failure in Patients With MRSA Bacteremia: A Randomized Clinical Trial. <i>JAMA - Journal of the American Medical Association</i> , 2020 , 323, 527-537	27.4	88
218	Comparative Transcriptomic and Functional Assessments of Linezolid-Responsive Small RNA Genes in Staphylococcus aureus. <i>MSystems</i> , 2020 , 5,	7.6	3

217	A Simple Cleaning Intervention to Prevent Transmission of Carbapenemase-Producing Enterobacterales from Hospital Sinks. <i>Infection Control and Hospital Epidemiology</i> , 2020 , 41, s103-s104	2	
216	Case Report: Confirmation by Metagenomic Sequencing of Visceral Leishmaniasis in an Immunosuppressed Returned Traveler. <i>American Journal of Tropical Medicine and Hygiene</i> , 2020 , 103, 1930-1933	3.2	4
215	Impact of Intrapartum Oral Azithromycin on the Acquired Macrolide Resistome of InfantsP Nasopharynx: A Randomized Controlled Trial. <i>Clinical Infectious Diseases</i> , 2020 , 71, 3222-3225	11.6	0
214	Vancomycin Exposure and Acute Kidney Injury Outcome: A Snapshot From the CAMERA2 Study. <i>Open Forum Infectious Diseases</i> , 2020 , 7, ofaa538	1	13
213	Validation of a single-step, single-tube reverse transcription loop-mediated isothermal amplification assay for rapid detection of SARS-CoV-2 RNA. <i>Journal of Medical Microbiology</i> , 2020 , 69, 1169-1178	3.2	39
212	Complete microbial genomes for public health in Australia and the Southwest Pacific. <i>Microbial Genomics</i> , 2020 , 6,	4.4	3
211	Staphylococcus aureus small colony variants impair host immunity by activating host cell glycolysis and inducing necroptosis. <i>Nature Microbiology</i> , 2020 , 5, 141-153	26.6	34
210	Prolonged Outbreak of Multidrug-Resistant Shigella sonnei Harboring in Victoria, Australia. <i>Antimicrobial Agents and Chemotherapy</i> , 2020 , 64,	5.9	7
209	Implementation and evaluation of a novel real-time multiplex assay for SARS-CoV-2: in-field learnings from a clinical microbiology laboratory. <i>Pathology</i> , 2020 , 52, 754-759	1.6	9
208	Structure-Activity Relationships of Daptomycin Lipopeptides. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 13266-13290	8.3	14
207	An open-label, parallel-group, randomised controlled trial of antiseptic mouthwash versus antibiotics for oropharyngeal gonorrhoea treatment (OMEGA2). <i>Scientific Reports</i> , 2020 , 10, 19386	4.9	8
206	Pandemic printing: a novel 3D-printed swab for detecting SARS-CoV-2. <i>Medical Journal of Australia</i> , 2020 , 213, 276-279	4	18
205	Evaluation of Serological Tests for SARS-CoV-2: Implications for Serology Testing in a Low-Prevalence Setting. <i>Journal of Infectious Diseases</i> , 2020 , 222, 1280-1288	7	42
204	Serological tests for COVID-19. <i>Medical Journal of Australia</i> , 2020 , 213, 397-399.e1	4	6
203	Tracking the COVID-19 pandemic in Australia using genomics. <i>Nature Communications</i> , 2020 , 11, 4376	17.4	97
202	Tenacious Endemic Typhoid Fever in Samoa. <i>Clinical Infectious Diseases</i> , 2020 , 71, S120-S126	11.6	7
201	Long-term Impact of Pneumococcal Conjugate Vaccines on Invasive Disease and Pneumonia Hospitalizations in Indigenous and Non-Indigenous Australians. <i>Clinical Infectious Diseases</i> , 2020 , 70, 2607-2615	11.6	6
200	Isolation and rapid sharing of the 2019 novel coronavirus (SARS-CoV-2) from the first patient diagnosed with COVID-19 in Australia. <i>Medical Journal of Australia</i> , 2020 , 212, 459-462	4	201

199	Diversity of bacteriophages encoding Panton-Valentine leukocidin in temporally and geographically related <i>Staphylococcus aureus</i> 2020 , 15, e0228676		
198	Diversity of bacteriophages encoding Panton-Valentine leukocidin in temporally and geographically related <i>Staphylococcus aureus</i> 2020 , 15, e0228676		
197	Diversity of bacteriophages encoding Panton-Valentine leukocidin in temporally and geographically related <i>Staphylococcus aureus</i> 2020 , 15, e0228676		
196	Diversity of bacteriophages encoding Panton-Valentine leukocidin in temporally and geographically related <i>Staphylococcus aureus</i> 2020 , 15, e0228676		
195	Diversity of bacteriophages encoding Panton-Valentine leukocidin in temporally and geographically related <i>Staphylococcus aureus</i> 2020 , 15, e0228676		
194	Diversity of bacteriophages encoding Panton-Valentine leukocidin in temporally and geographically related <i>Staphylococcus aureus</i> 2020 , 15, e0228676		
193	Risk Factors for Asymptomatic Enteric Pathogen Detection Among Men Who Have Sex With Men. <i>Open Forum Infectious Diseases</i> , 2019 , 6, ofz326	1	5
192	Bridging of <i>Neisseria gonorrhoeae</i> lineages across sexual networks in the HIV pre-exposure prophylaxis era. <i>Nature Communications</i> , 2019 , 10, 3988	17.4	39
191	Reconstruction of the Genomes of Drug-Resistant Pathogens for Outbreak Investigation through Metagenomic Sequencing. <i>MSphere</i> , 2019 , 4,	5	9
190	Biosynthesis and Ether-Bridge Formation in Nargenicin Macrolides. <i>Angewandte Chemie</i> , 2019 , 131, 4036-4041	5.4	12
189	Biosynthesis and Ether-Bridge Formation in Nargenicin Macrolides. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 3996-4001	16.4	8
188	Solithromycin versus ceftriaxone plus azithromycin for the treatment of uncomplicated genital gonorrhoea (SOLITAIRE-U): a randomised phase 3 non-inferiority trial. <i>Lancet Infectious Diseases, The</i> , 2019 , 19, 833-842	25.5	30
187	Prevalence of genital and oropharyngeal chlamydia and gonorrhoea among female sex workers in Melbourne, Australia, 2015-2017: need for oropharyngeal testing. <i>Sexually Transmitted Infections</i> , 2019 , 95, 398-401	2.8	24
186	Kissing may be an important and neglected risk factor for oropharyngeal gonorrhoea: a cross-sectional study in men who have sex with men. <i>Sexually Transmitted Infections</i> , 2019 , 95, 516-521	2.8	31
185	Evidence for a new paradigm of gonorrhoea transmission: cross-sectional analysis of infections by anatomical site in both partners in 60 male couples. <i>Sexually Transmitted Infections</i> , 2019 , 95, 437-442	2.8	16
184	Increasing incidence of invasive nontyphoidal <i>Salmonella</i> infections in Queensland, Australia, 2007-2016. <i>PLoS Neglected Tropical Diseases</i> , 2019 , 13, e0007187	4.8	7
183	The importance of public health genomics for ensuring health security for Australia. <i>Medical Journal of Australia</i> , 2019 , 210, 295-297.e1	4	7
182	Antibiotic resistance and host immune evasion in mediated by a metabolic adaptation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 3722-3727	11.5	36

181	Remodeling of pSK1 Family Plasmids and Enhanced Chlorhexidine Tolerance in a Dominant Hospital Lineage of Methicillin-Resistant. <i>Antimicrobial Agents and Chemotherapy</i> , 2019 , 63,	5.9	8
180	A nonclonal outbreak of vancomycin-sensitive bacteremia in a neonatal intensive care unit. <i>Infection Control and Hospital Epidemiology</i> , 2019 , 40, 1116-1122	2	1
179	Trends and Risk Factors for Antimicrobial-Resistant , Melbourne, Australia, 2007 to 2018. <i>Antimicrobial Agents and Chemotherapy</i> , 2019 , 63,	5.9	13
178	Genomic investigation of Staphylococcus aureus recovered from Gambian women and newborns following an oral dose of intra-partum azithromycin. <i>Journal of Antimicrobial Chemotherapy</i> , 2019 , 74, 3170-3178	5.1	3
177	Genomics for Molecular Epidemiology and Detecting Transmission of Carbapenemase-Producing in Victoria, Australia, 2012 to 2016. <i>Journal of Clinical Microbiology</i> , 2019 , 57,	9.7	30
176	Zinc-binding to the cytoplasmic PAS domain regulates the essential WalK histidine kinase of Staphylococcus aureus. <i>Nature Communications</i> , 2019 , 10, 3067	17.4	20
175	The risk of resistance: what are the major antimicrobial resistance threats facing Australia?. <i>Medical Journal of Australia</i> , 2019 , 211, 103-105.e1	4	3
174	Dissecting the molecular evolution of fluoroquinolone-resistant Shigella sonnei. <i>Nature Communications</i> , 2019 , 10, 4828	17.4	17
173	Utilizing genomic analyses to investigate the first outbreak of vanA vancomycin-resistant Enterococcus in Australia with emergence of daptomycin non-susceptibility. <i>Journal of Medical Microbiology</i> , 2019 , 68, 303-308	3.2	9
172	Emergence and divergence of major lineages of Shiga-toxin-producing Escherichia coli in Australia. <i>Microbial Genomics</i> , 2019 , 5,	4.4	6
171	Genomics of vancomycin-resistant Enterococcus faecium. <i>Microbial Genomics</i> , 2019 , 5,	4.4	18
170	Mining the Methylome Reveals Extensive Diversity in Staphylococcus epidermidis Restriction Modification. <i>MBio</i> , 2019 , 10,	7.8	8
169	Unstable chromosome rearrangements in cause phenotype switching associated with persistent infections. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 20135-20140	11.5	32
168	Bacterial Load of Chlamydia trachomatis in the Posterior Oropharynx, Tonsillar Fossae, and Saliva among Men Who Have Sex with Men with Untreated Oropharyngeal Chlamydia. <i>Journal of Clinical Microbiology</i> , 2019 , 58,	9.7	9
167	Oropharyngeal and Genital Gonorrhoea Infections Among Women and Heterosexual Men Reporting Sexual Contact With Partners With Gonorrhoea: Implication for Oropharyngeal Testing of Heterosexual Gonorrhoea Contacts. <i>Sexually Transmitted Diseases</i> , 2019 , 46, 743-747	2.4	12
166	Extensively Drug-Resistant Shigellosis in Australia among Men Who Have Sex with Men. <i>New England Journal of Medicine</i> , 2019 , 381, 2477-2479	59.2	13
165	Emergence and rapid global dissemination of CTX-M-15-associated Klebsiella pneumoniae strain ST307. <i>Journal of Antimicrobial Chemotherapy</i> , 2019 , 74, 577-581	5.1	75
164	Evolution of Daptomycin Resistance in Coagulase-Negative Staphylococci Involves Mutations of the Essential Two-Component Regulator WalKR. <i>Antimicrobial Agents and Chemotherapy</i> , 2019 , 63,	5.9	15

163	Co-circulation of Multidrug-resistant Shigella Among Men Who Have Sex With Men in Australia. <i>Clinical Infectious Diseases</i> , 2019 , 69, 1535-1544	11.6	41
162	Recent trends in invasive group A Streptococcus disease in Victoria. <i>Communicable Diseases Intelligence (2018)</i> , 2019 , 43,	1.9	1
161	1,2,4-Oxadiazole antimicrobials act synergistically with daptomycin and display rapid kill kinetics against MDR Enterococcus faecium. <i>Journal of Antimicrobial Chemotherapy</i> , 2018 , 73, 1562-1569	5.1	10
160	Ceftazidime/avibactam susceptibility by three different susceptibility testing methods in carbapenemase-producing Gram-negative bacteria from Australia. <i>International Journal of Antimicrobial Agents</i> , 2018 , 52, 82-85	14.3	9
159	Health Outcomes from Multidrug-Resistant Salmonella Infections in High-Income Countries: A Systematic Review and Meta-Analysis. <i>Foodborne Pathogens and Disease</i> , 2018 , 15, 428-436	3.8	35
158	Comparative Genomics Shows That Mycobacterium ulcerans Migration and Expansion Preceded the Rise of Buruli Ulcer in Southeastern Australia. <i>Applied and Environmental Microbiology</i> , 2018 , 84,	4.8	21
157	Increasing Antimicrobial Resistance in Nontyphoidal Salmonella Isolates in Australia from 1979 to 2015. <i>Antimicrobial Agents and Chemotherapy</i> , 2018 , 62,	5.9	32
156	Incorporating Whole-Genome Sequencing into Public Health Surveillance: Lessons from Prospective Sequencing of Salmonella Typhimurium in Australia. <i>Foodborne Pathogens and Disease</i> , 2018 , 15, 161-167	3.8	16
155	Genomic epidemiology and antimicrobial resistance of Neisseria gonorrhoeae in New Zealand. <i>Journal of Antimicrobial Chemotherapy</i> , 2018 , 73, 353-364	5.1	45
154	Convergent Evolution Driven by Rifampin Exacerbates the Global Burden of Drug-Resistant. <i>MSphere</i> , 2018 , 3,	5	28
153	Rifampicin resistance in Staphylococcus epidermidis: molecular characterisation and fitness cost of rpoB mutations. <i>International Journal of Antimicrobial Agents</i> , 2018 , 51, 670-677	14.3	14
152	Topical Antibiotic Use Coselects for the Carriage of Mobile Genetic Elements Conferring Resistance to Unrelated Antimicrobials in Staphylococcus aureus. <i>Antimicrobial Agents and Chemotherapy</i> , 2018 , 62,	5.9	15
151	Whole-genome sequencing reveals transmission of gonococcal antibiotic resistance among men who have sex with men: an observational study. <i>Sexually Transmitted Infections</i> , 2018 , 94, 151-157	2.8	27
150	Morbidity from in-hospital complications is greater than treatment failure in patients with Staphylococcus aureus bacteraemia. <i>BMC Infectious Diseases</i> , 2018 , 18, 107	4	12
149	Daptomycin selects for genetic and phenotypic adaptations leading to antibiotic tolerance in MRSA. <i>Journal of Antimicrobial Chemotherapy</i> , 2018 , 73, 2030-2033	5.1	15
148	Long-term Impact of Oral Azithromycin Taken by Gambian Women During Labor on Prevalence and Antibiotic Susceptibility of Streptococcus pneumoniae and Staphylococcus aureus in Their Infants: Follow-up of a Randomized Clinical Trial. <i>Clinical Infectious Diseases</i> , 2018 , 67, 1191-1197	11.6	5
147	Seven Salmonella Typhimurium Outbreaks in Australia Linked by Trace-Back and Whole Genome Sequencing. <i>Foodborne Pathogens and Disease</i> , 2018 , 15, 285-292	3.8	20
146	Emerging Gram negative resistance to last-line antimicrobial agents fosfomycin, colistin and ceftazidime-avibactam - epidemiology, laboratory detection and treatment implications. <i>Expert Review of Anti-Infective Therapy</i> , 2018 , 16, 289-306	5.5	40

145	The Critical Importance of Sampling Fraction to Inferences of Mycobacterium tuberculosis Transmission. <i>Clinical Infectious Diseases</i> , 2018 , 66, 159-160	11.6	
144	Increasing tolerance of hospital to handwash alcohols. <i>Science Translational Medicine</i> , 2018 , 10,	17.5	102
143	Fulminant meningococcal sepsis due to non-groupable Neisseria meningitidis in a patient receiving eculizumab. <i>Medical Journal of Australia</i> , 2018 , 208, 478-479	4	1
142	Vancomycin-resistant sequence type 796 - rapid international dissemination of a new epidemic clone. <i>Antimicrobial Resistance and Infection Control</i> , 2018 , 7, 44	6.2	13
141	Bilateral osteomyelitis and liver abscess caused by hypervirulent Klebsiella pneumoniae- a rare clinical manifestation (case report). <i>BMC Infectious Diseases</i> , 2018 , 18, 380	4	11
140	Genomic exploration of sequential clinical isolates reveals a distinctive molecular signature of persistent Staphylococcus aureus bacteraemia. <i>Genome Medicine</i> , 2018 , 10, 65	14.4	19
139	Translating genomics into practice for real-time surveillance and response to carbapenemase-producing Enterobacteriaceae: evidence from a complex multi-institutional KPC outbreak. <i>PeerJ</i> , 2018 , 6, e4210	3.1	35
138	The BT1 large serine recombinase catalyzes DNA integration at pseudo- sites in the genus. <i>PeerJ</i> , 2018 , 6, e4784	3.1	1
137	Evolution of virulence in Enterococcus faecium, a hospital-adapted opportunistic pathogen. <i>Current Opinion in Microbiology</i> , 2018 , 41, 76-82	7.9	87
136	Elucidating the Pharmacokinetics/Pharmacodynamics of Aerosolized Colistin against Multidrug-Resistant Acinetobacter baumannii and Klebsiella pneumoniae in a Mouse Lung Infection Model. <i>Antimicrobial Agents and Chemotherapy</i> , 2018 , 62,	5.9	10
135	Genomic Analysis of Multiresistant Staphylococcus capitis Associated with Neonatal Sepsis. <i>Antimicrobial Agents and Chemotherapy</i> , 2018 , 62,	5.9	19
134	The changing landscape of vancomycin-resistant Enterococcus faecium in Australia: a population-level genomic study. <i>Journal of Antimicrobial Chemotherapy</i> , 2018 , 73, 3268-3278	5.1	19
133	Global spread of three multidrug-resistant lineages of Staphylococcus epidermidis. <i>Nature Microbiology</i> , 2018 , 3, 1175-1185	26.6	120
132	Comprehensive antibiotic-linked mutation assessment by resistance mutation sequencing (RM-seq). <i>Genome Medicine</i> , 2018 , 10, 63	14.4	19
131	Correspondence: Spontaneous secondary mutations confound analysis of the essential two-component system WalkR in Staphylococcus aureus. <i>Nature Communications</i> , 2017 , 8, 14403	17.4	14
130	Mycobacterium chimaera Spread from Heating and Cooling Units in Heart Surgery. <i>New England Journal of Medicine</i> , 2017 , 376, 600-602	59.2	62
129	Emergence of multidrug resistance in locally-acquired human infections with Salmonella Typhimurium in Australia owing to a new clade harbouring bla. <i>International Journal of Antimicrobial Agents</i> , 2017 , 50, 101-105	14.3	16
128	Increased Detection of Pharyngeal and Rectal Gonorrhoea in Men Who Have Sex With Men After Transition From Culture To Nucleic Acid Amplification Testing. <i>Sexually Transmitted Diseases</i> , 2017 , 44, 114-117	2.4	65

127	Current and Emerging Topical Antibacterials and Antiseptics: Agents, Action, and Resistance Patterns. <i>Clinical Microbiology Reviews</i> , 2017 , 30, 827-860	34	153
126	Target-Specific Assay for Rapid and Quantitative Detection of Mycobacterium chimaera DNA. <i>Journal of Clinical Microbiology</i> , 2017 , 55, 1847-1856	9.7	12
125	Antiseptic mouthwash against pharyngeal : a randomised controlled trial and an in vitro study. <i>Sexually Transmitted Infections</i> , 2017 , 93, 88-93	2.8	52
124	A Supervised Statistical Learning Approach for Accurate Legionella pneumophila Source Attribution during Outbreaks. <i>Applied and Environmental Microbiology</i> , 2017 , 83,	4.8	4
123	Phasevarion-Regulated Virulence in the Emerging Pediatric Pathogen Kingella kingae. <i>Infection and Immunity</i> , 2017 , 85,	3.7	17
122	A multicentre double-blind randomised controlled trial evaluating the efficacy of daily use of antibacterial mouthwash against oropharyngeal gonorrhoea among men who have sex with men: the OMEGA (Oral Mouthwash use to Eradicate GonorrhoeA) study protocol. <i>BMC Infectious Diseases</i> 2017 , 17, 152	4	38
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6	Increasing tolerance of hospital <i>Enterococcus faecium</i> to hand-wash alcohols		3
5	Validation of a single-step, single-tube reverse transcription-loop-mediated isothermal amplification assay for rapid detection of SARS-CoV-2 RNA		4
4	Comprehensive antibiotic-linked mutation assessment by Resistance Mutation Sequencing (RM-seq)		2
3	The changing landscape of VREfm in Victoria, Australia: a State-wide genomic snapshot		2
2	Genomic interrogation of the burden and transmission of multidrug-resistant pathogens within and across hospital networks		2

1 Significant Variability exists in the Toxicity of Global Methicillin-resistant Staphylococcus aureus Lineages 1