Gwenan M Knight

List of Publications by Year
in descending order

61	3,408	236612 25	161609 54
papers	citations	h-index	g-index

71	71	71	5708
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	COVID-19 length of hospital stay: a systematic review and data synthesis. BMC Medicine, 2020, 18, 270.	2.3	430
2	Estimating the burden of antimicrobial resistance: a systematic literature review. Antimicrobial Resistance and Infection Control, 2018, 7, 58.	1.5	341
3	What settings have been linked to SARS-CoV-2 transmission clusters?. Wellcome Open Research, 2020, 5, 83.	0.9	290
4	Antimicrobial resistance and COVID-19: Intersections and implications. ELife, 2021, 10, .	2.8	196
5	What settings have been linked to SARS-CoV-2 transmission clusters?. Wellcome Open Research, 2020, 5, 83.	0.9	186
6	Impact and cost-effectiveness of new tuberculosis vaccines in low- and middle-income countries. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15520-15525.	3.3	153
7	The transmission of Mycobacterium tuberculosis in high burden settings. Lancet Infectious Diseases, The, 2016, 16, 227-238.	4.6	149
8	Reconstructing the early global dynamics of under-ascertained COVID-19 cases and infections. BMC Medicine, 2020, 18, 332.	2.3	129
9	Shift in dominant hospital-associated methicillin-resistant Staphylococcus aureus (HA-MRSA) clones over time. Journal of Antimicrobial Chemotherapy, 2012, 67, 2514-2522.	1.3	121
10	Global burden of latent multidrug-resistant tuberculosis: trends and estimates based on mathematical modelling. Lancet Infectious Diseases, The, 2019, 19, 903-912.	4.6	104
11	Metformin reduces airway glucose permeability and hyperglycaemia-inducedStaphylococcus aureusload independently of effects on blood glucose. Thorax, 2013, 68, 835-845.	2.7	96
12	Systematic review of mathematical models exploring the epidemiological impact of future TB vaccines. Human Vaccines and Immunotherapeutics, 2016, 12, 2813-2832.	1.4	78
13	Definition of a genetic relatedness cutoff to exclude recent transmission of meticillin-resistant Staphylococcus aureus: a genomic epidemiology analysis. Lancet Microbe, The, 2020, 1, e328-e335.	3.4	75
14	The contribution of asymptomatic SARS-CoV-2 infections to transmission on the Diamond Princess cruise ship. ELife, 2020, 9, .	2.8	70
15	Implication of backward contact tracing in the presence of overdispersed transmission in COVID-19 outbreaks. Wellcome Open Research, 2020, 5, 239.	0.9	62
16	Implication of backward contact tracing in the presence of overdispersed transmission in COVID-19 outbreaks. Wellcome Open Research, 2020, 5, 239.	0.9	61
17	Bridging the gap between evidence and policy for infectious diseases: How models can aid public health decision-making. International Journal of Infectious Diseases, 2016, 42, 17-23.	1.5	54
18	Within-host diversity of MRSA antimicrobial resistances. Journal of Antimicrobial Chemotherapy, 2015, 70, 2191-2198.	1.3	49

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19	Age-targeted tuberculosis vaccination in China and implications for vaccine development: a modelling study. The Lancet Global Health, 2019, 7, e209-e218.	2.9	45
20	Potential impact of tuberculosis vaccines in China, South Africa, and India. Science Translational Medicine, 2020, 12, .	5.8	42
21	The Distribution of Fitness Costs of Resistance-Conferring Mutations Is a Key Determinant for the Future Burden of Drug-Resistant Tuberculosis: A Model-Based Analysis. Clinical Infectious Diseases, 2015, 61, S147-S154.	2.9	40
22	Mathematical modelling to study the horizontal transfer of antimicrobial resistance genes in bacteria: current state of the field and recommendations. Journal of the Royal Society Interface, 2019, 16, 20190260.	1.5	37
23	Mathematical modelling for antibiotic resistance control policy: do we know enough?. BMC Infectious Diseases, 2019, 19, 1011.	1.3	37
24	Quantifying where human acquisition of antibiotic resistance occurs: a mathematical modelling study. BMC Medicine, 2018, 16, 137.	2.3	34
25	Dose finding for new vaccines: The role for immunostimulation/immunodynamic modelling. Journal of Theoretical Biology, 2019, 465, 51-55.	0.8	30
26	Ebola: the power of behaviour change. Nature, 2014, 515, 492-492.	13.7	27
27	Predicting the Long-Term Impact of Antiretroviral Therapy Scale-Up on Population Incidence of Tuberculosis. PLoS ONE, 2013, 8, e75466.	1.1	24
28	Shuffling of mobile genetic elements (MGEs) in successful healthcare-associated MRSA (HA-MRSA). Mobile Genetic Elements, 2012, 2, 239-243.	1.8	22
29	The TB vaccine H56+IC31 dose-response curve is peaked not saturating: Data generation for new mathematical modelling methods to inform vaccine dose decisions. Vaccine, 2016, 34, 6285-6291.	1.7	22
30	The effectiveness of biosecurity interventions in reducing the transmission of bacteria from livestock to humans at the farm level: A systematic literature review. Zoonoses and Public Health, 2021, 68, 549-562.	0.9	22
31	Importance of patient bed pathways and length of stay differences in predicting COVID-19 hospital bed occupancy in England. BMC Health Services Research, 2021, 21, 566.	0.9	22
32	The contribution of hospital-acquired infections to the COVID-19 epidemic in England in the first half of 2020. BMC Infectious Diseases, 2022, 22, .	1.3	22
33	Fast and expensive (PCR) or cheap and slow (culture)? A mathematical modelling study to explore screening for carbapenem resistance in UK hospitals. BMC Medicine, 2018, 16, 141.	2.3	20
34	Large mobile genetic elements carrying resistance genes that do not confer a fitness burden in healthcare-associated meticillin-resistant Staphylococcus aureus. Microbiology (United Kingdom), 2013, 159, 1661-1672.	0.7	19
35	Tuberculosis Prevention in South Africa. PLoS ONE, 2015, 10, e0122514.	1.1	17
36	A Multistrain Mathematical Model To Investigate the Role of Pyrazinamide in the Emergence of Extensively Drug-Resistant Tuberculosis. Antimicrobial Agents and Chemotherapy, 2017, 61, .	1.4	17

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37	Using vaccine Immunostimulation/Immunodynamic modelling methods to inform vaccine dose decision-making. Npj Vaccines, 2018, 3, 36.	2.9	16
38	The risk of multidrug- or rifampicin-resistance in males versus females with tuberculosis. European Respiratory Journal, 2020, 56, 2000626.	3.1	16
39	Drivers and Trajectories of Resistance to New First-Line Drug Regimens for Tuberculosis. Open Forum Infectious Diseases, 2014, 1, ofu073.	0.4	15
40	Addressing the Unknowns of Antimicrobial Resistance: Quantifying and Mapping the Drivers of Burden. Clinical Infectious Diseases, 2018, 66, 612-616.	2.9	15
41	Potential impact of influenza vaccine roll-out on antibiotic use in Africa. Journal of Antimicrobial Chemotherapy, 2018, 73, 2197-2200.	1.3	13
42	Impact of non-pharmaceutical interventions on SARS-CoV-2 outbreaks in English care homes: a modelling study. BMC Infectious Diseases, 2022, 22, 324.	1.3	12
43	Quantitatively evaluating the cross-sectoral and One Health impact of interventions: A scoping review and case study of antimicrobial resistance. One Health, 2020, 11, 100194.	1.5	11
44	Population-Level Impact of Shorter-Course Regimens for Tuberculosis: A Model-Based Analysis. PLoS ONE, 2014, 9, e96389.	1.1	10
45	The Impact and Cost-Effectiveness of a Four-Month Regimen for First-Line Treatment of Active Tuberculosis in South Africa. PLoS ONE, 2015, 10, e0145796.	1.1	10
46	Methods for estimating the burden of antimicrobial resistance: a systematic literature review protocol. Systematic Reviews, 2016, 5, 187.	2.5	10
47	Growth-Dependent Predation and Generalized Transduction of Antimicrobial Resistance by Bacteriophage. MSystems, 2022, 7, e0013522.	1.7	10
48	The relative fitness of drug-resistant Mycobacterium tuberculosis : a modelling study of household transmission in Peru. Journal of the Royal Society Interface, 2018, 15, 20180025.	1.5	8
49	A Case-Control Study to Identify Community Venues Associated with Genetically-clustered, Multidrug-resistant Tuberculosis Disease in Lima, Peru. Clinical Infectious Diseases, 2019, 68, 1547-1555.	2.9	8
50	Using Data from Macaques To Predict Gamma Interferon Responses after Mycobacterium bovis BCG Vaccination in Humans: a Proof-of-Concept Study of Immunostimulation/Immunodynamic Modeling Methods. Vaccine Journal, 2017, 24, .	3.2	7
51	Antimicrobial resistance at the G7. BMJ, The, 2021, 373, n1417.	3.0	7
52	Individual-level factors associated with variation in mycobacterial-specific immune response: Gender and previous BCG vaccination status. Tuberculosis, 2016, 96, 37-43.	0.8	6
53	Feasibility of informing syndrome-level empiric antibiotic recommendations using publicly available antibiotic resistance datasets. Wellcome Open Research, 2019, 4, 140.	0.9	6
54	Effectiveness of infection prevention and control interventions, excluding personal protective equipment, to prevent nosocomial transmission of SARS-CoV-2: a systematic review and call for action. Infection Prevention in Practice, 2022, 4, 100192.	0.6	6

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55	Implication of backward contact tracing in the presence of overdispersed transmission in COVID-19 outbreaks. Wellcome Open Research, 0, 5, 239.	0.9	5
56	No antimicrobial resistance research agenda without tuberculosis. The Lancet Global Health, 2020, 8, e987-e988.	2.9	4
57	Ongoing challenges to understanding multidrug- and rifampicin-resistant tuberculosis in children versus adults. European Respiratory Journal, 2021, 57, 2002504.	3.1	4
58	Feasibility of informing syndrome-level empiric antibiotic recommendations using publicly available antibiotic resistance datasets. Wellcome Open Research, 2019, 4, 140.	0.9	4
59	Community transmission of multidrug-resistant tuberculosis is associated with activity space overlap in Lima, Peru. BMC Infectious Diseases, 2021, 21, 275.	1.3	3
60	Understanding MRSA clonal competition within a UK hospital; the possible importance of density dependence. Epidemics, 2021, 37, 100511.	1.5	3
61	Transmission dynamics of SARS-CoV-2 in a strictly-Orthodox Jewish community in the UK. Scientific Reports, 2022, 12, .	1.6	0