M Lipsitch

List of Publications by Year
in descending order

404 papers	45,731 citations	2440 100 h-index	3688 186 g-index
502 all docs	502 docs citations	502 times ranked	50516 citing authors

#	Article	IF	Citations
1	Infections, hospitalisations, and deaths averted via a nationwide vaccination campaign using the Pfizerâ€“BioNTech BNT162b2 mRNA COVID-19 vaccine in Israel: a retrospective surveillance study. Lancet Infectious Diseases, The, 2022, 22, 357-366.	4.6	79
2	Indirect protection of children from SARS-CoV-2 infection through parental vaccination. Science, 2022, 375, 1155-1159.	6.0	39
3	Identifying and Alleviating Bias Due to Differential Depletion of Susceptible People in Postmarketing Evaluations of COVID-19 Vaccines. American Journal of Epidemiology, 2022, 191, 800-811.	1.6	53
4	Risk of persistent and new clinical sequelae among adults aged 65 years and older during the post-acute phase of SARS-CoV-2 infection: retrospective cohort study. BMJ, The, 2022, 376, e068414.	3.0	105
5	SARS-CoV-2 breakthrough infections in vaccinated individuals: measurement, causes and impact. Nature Reviews Immunology, 2022, 22, 57-65.	10.6	217
6	Antibiotic prescribing across age groups in the Kaiser Permanente Northern California population in association with different diagnoses, and with influenza incidence, 2010-2018. Epidemiology and Infection, 2022, 150, 1-25.	1.0	1
7	Near real-time surveillance of the SARS-CoV-2 epidemic with incomplete data. PLoS Computational Biology, 2022, 18, e1009964.	1.5	8
8	Analysis of multiple bacterial species and antibiotic classes reveals large variation in the association between seasonal antibiotic use and resistance. PLoS Biology, 2022, 20, e3001579.	2.6	12
9	Deep-sequence phylogenetics to quantify patterns of HIV transmission in the context of a universal testing and treatment trial â€“ BCPP/Ya Tsie trial. ELife, 2022, 11, .	2.8	12
10	Fourth Dose of BNT162b2 mRNA Covid-19 Vaccine in a Nationwide Setting. New England Journal of Medicine, 2022, 386, 1603-1614.	13.9	213
11	Wrong question and the wrong standard of proof. Journal of Medical Ethics, 2022, , medethics-2022-108320.	1.0	1
12	Mission, Organization, and Future Direction of the Serological Sciences Network for COVID-19 (SeroNet) Epidemiologic Cohort Studies. Open Forum Infectious Diseases, 2022, 9, .	0.4	5
13	BNT162b2 Vaccine Effectiveness against Omicron in Children 5 to 11 Years of Age. New England Journal of Medicine, 2022, 387, 227-236.	13.9	68
14	On the Effect of Age on the Transmission of SARS-CoV-2 in Households, Schools, and the Community. Journal of Infectious Diseases, 2021, 223, 362-369.	1.9	257
15	Potential Biases Arising From Epidemic Dynamics in Observational Seroprotection Studies. American Journal of Epidemiology, 2021, 190, 328-335.	1.6	11
16	Nowcasting for Real-Time COVID-19 Tracking in New York City: An Evaluation Using Reportable Disease Data From Early in the Pandemic. JMIR Public Health and Surveillance, 2021, 7, e25538.	1.2	23
17	Negative frequency-dependent selection and asymmetrical transformation stabilise multi-strain bacterial population structures. ISME Journal, 2021, 15, 1523-1538.	4.4	17
18	Estimating internationally imported cases during the early COVID-19 pandemic. Nature Communications, 2021, 12, 311.	5.8	35

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19	The Ethics of Continuing Placebo in SARS-CoV-2 Vaccine Trials. JAMA - Journal of the American Medical Association, 2021, 325, 219.	3.8	31
20	How to Test Severe Acute Respiratory Syndrome Coronavirus 2 Vaccines Ethically Even After One Is Available. Clinical Infectious Diseases, 2021, 73, 2332-2334.	2.9	9
21	Antibiotic Use and Presumptive Pathogens in the Veterans Affairs Healthcare System. Clinical Infectious Diseases, 2021, , .	2.9	3
22	Model-informed COVID-19 vaccine prioritization strategies by age and serostatus. Science, 2021, 371, 916-921.	6.0	588
23	How to detect and reduce potential sources of biases in studies of SARS-CoV-2 and COVID-19. European Journal of Epidemiology, 2021, 36, 179-196.	2.5	93
24	Burden of Antimicrobial Resistance: Compared to What?. Epidemiologic Reviews, 2021, 43, 53-64.	1.3	24
25	Testing SARS-CoV-2 vaccine efficacy through deliberate natural viral exposure. Clinical Microbiology and Infection, 2021, 27, 372-377.	2.8	10
26	BNT162b2 mRNA Covid-19 Vaccine in a Nationwide Mass Vaccination Setting. New England Journal of Medicine, 2021, 384, 1412-1423.	13.9	2,179
27	Concerns about SARS-CoV-2 evolution should not hold back efforts to expand vaccination. Nature Reviews Immunology, 2021, 21, 330-335.	10.6	98
28	Modeling the impact of racial and ethnic disparities on COVID-19 epidemic dynamics. ELife, 2021, 10, .	2.8	22
29	Leveraging Pathogen Sequence and Contact Tracing Data to Enhance Vaccine Trials in Emerging Epidemics. Epidemiology, 2021, 32, 698-704.	1.2	3
30	Risk of clinical sequelae after the acute phase of SARS-CoV-2 infection: retrospective cohort study. BMJ, The, 2021, 373, n1098.	3.0	267
31	Estimating the cumulative incidence of COVID-19 in the United States using influenza surveillance, virologic testing, and mortality data: Four complementary approaches. PLoS Computational Biology, 2021, 17, e1008994.	1.5	28
32	Interpreting vaccine efficacy trial results for infection and transmission. Vaccine, 2021, 39, 4082-4088.	1.7	55
33	Estimating epidemiologic dynamics from cross-sectional viral load distributions. Science, 2021, 373, .	6.0	148
34	Evaluation of post-introduction COVID-19 vaccine effectiveness: Summary of interim guidance of the World Health Organization. Vaccine, 2021, 39, 4013-4024.	1.7	110
35	Covid-19 Breakthrough Infections in Vaccinated Health Care Workers. New England Journal of Medicine, 2021, 385, 1474-1484.	13.9	1,162
36	Decreased infectivity following BNT162b2 vaccination: A prospective cohort study in Israel. Lancet Regional Health - Europe, The, 2021, 7, 100150.	3.0	101

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37	Estimating Vaccine Efficacy Against Transmission via Effect on Viral Load. Epidemiology, 2021, 32, 820-828.	1.2	9
38	Assessing the feasibility of Nipah vaccine efficacy trials based on previous outbreaks in Bangladesh. Vaccine, 2021, 39, 5600-5606.	1.7	11
39	Safety of the BNT162b2 mRNA Covid-19 Vaccine in a Nationwide Setting. New England Journal of Medicine, 2021, 385, 1078-1090.	13.9	735
40	Effectiveness of the BNT162b2 mRNA COVID-19 vaccine in pregnancy. Nature Medicine, 2021, 27, 1693-1695.	15.2	222
41	Big data and simple models used to track the spread of COVID-19 in cities. Nature, 2021, 589, 26-28.	13.7	15
42	Effectiveness of BNT162b2 Vaccine against Delta Variant in Adolescents. New England Journal of Medicine, 2021, 385, 2101-2103.	13.9	82
43	Effectiveness of a third dose of the BNT162b2 mRNA COVID-19 vaccine for preventing severe outcomes in Israel: an observational study. Lancet, The, 2021, 398, 2093-2100.	6.3	748
44	Population impact of SARS-CoV-2 variants with enhanced transmissibility and/or partial immune escape. Cell, 2021, 184, 6229-6242.e18.	13.5	72
45	Effectiveness of BNT162b2 mRNA COVID-19 vaccine against SARS-CoV-2 variant Beta (B.1.351) among persons identified through contact tracing in Israel: A prospective cohort study. EClinicalMedicine, 2021, 42, 101190.	3.2	22
46	Depletion-of-susceptibles Bias in Analyses of Intra-season Waning of Influenza Vaccine Effectiveness. Clinical Infectious Diseases, 2020, 70, 1484-1486.	2.9	26
47	Novel methods for the analysis of stepped wedge cluster randomized trials. Statistics in Medicine, 2020, 39, 815-844.	0.8	17
48	The Use of Test-negative Controls to Monitor Vaccine Effectiveness. Epidemiology, 2020, 31, 43-64.	1.2	102
49	Understanding COVID-19 vaccine efficacy. Science, 2020, 370, 763-765.	6.0	200
50	Cross-reactive memory T cells and herd immunity to SARS-CoV-2. Nature Reviews Immunology, 2020, 20, 709-713.	10.6	229
51	Reply to Hasford and to Spinola et al. Journal of Infectious Diseases, 2020, 222, 1574-1575.	1.9	0
52	Statistical Properties of Stepped Wedge Cluster-Randomized Trials in Infectious Disease Outbreaks. American Journal of Epidemiology, 2020, 189, 1324-1332.	1.6	7
53	Testing COVID-19 therapies to prevent progression of mild disease. Lancet Infectious Diseases, The, 2020, 20, 1367.	4.6	12
54	Macrolide and Nonmacrolide Resistance with Mass Azithromycin Distribution. New England Journal of Medicine, 2020, 383, 1941-1950.	13.9	93

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55	Opinion: Itâ€™s ethical to test promising coronavirus vaccines against less-promising ones. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 18898-18901.	3.3	1
56	Reopening Primary Schools during the Pandemic. New England Journal of Medicine, 2020, 383, 981-985.	13.9	142
57	Good science is good science: we need specialists, not sects. European Journal of Epidemiology, 2020, 35, 519-522.	2.5	1
58	Determinants of Staphylococcus aureus carriage in the developing infant nasal microbiome. Genome Biology, 2020, 21, 301.	3.8	11
59	Lockdown measures and relative changes in the age-specific incidence of SARS-CoV-2 in Spain. Epidemiology and Infection, 2020, 148, e268.	1.0	5
60	The role of â€œspilloverâ€•in antibiotic resistance. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 29063-29068.	3.3	27
61	Proposed Changes to U.S. Policy on Potential Pandemic Pathogen Oversight and Implementation. MSphere, 2020, 5, .	1.3	5
62	Estimated Demand for US Hospital Inpatient and Intensive Care Unit Beds for Patients With COVID-19 Based on Comparisons With Wuhan and Guangzhou, China. JAMA Network Open, 2020, 3, e208297.	2.8	94
63	Estimating the contribution of different age strata to vaccine serotype pneumococcal transmission in the pre vaccine era: a modelling study. BMC Medicine, 2020, 18, 129.	2.3	29
64	Response to Dawson et al. Journal of Infectious Diseases, 2020, 222, 516-517.	1.9	2
65	Estimating case fatality rates of COVID-19. Lancet Infectious Diseases, The, 2020, 20, 775.	4.6	43
66	Estimating clinical severity of COVID-19 from the transmission dynamics in Wuhan, China. Nature Medicine, 2020, 26, 506-510.	15.2	1,067
67	Aggregated mobility data could help fight COVID-19. Science, 2020, 368, 145-146.	6.0	303
68	Identifying Locations with Possible Undetected Imported Severe Acute Respiratory Syndrome Coronavirus 2 Cases by Using Importation Predictions. Emerging Infectious Diseases, 2020, 26, 1465-1469.	2.0	32
69	The relation between prescribing of different antibiotics and rates of mortality with sepsis in US adults. BMC Infectious Diseases, 2020, 20, 169.	1.3	6
70	Defining the Epidemiology of Covid-19 â€” Studies Needed. New England Journal of Medicine, 2020, 382, 1194-1196.	13.9	986
71	Response to Cioffi. Journal of Infectious Diseases, 2020, 222, 169-170.	1.9	6
72	Human Challenge Studies to Accelerate Coronavirus Vaccine Licensure. Journal of Infectious Diseases, 2020, 221, 1752-1756.	1.9	186

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73	Using Genetic Distance from Archived Samples for the Prediction of Antibiotic Resistance in Escherichia coli. Antimicrobial Agents and Chemotherapy, 2020, 64, .	1.4	5
74	Antibody testing will enhance the power and accuracy of COVID-19-prevention trials. Nature Medicine, 2020, 26, 818-819.	15.2	45
75	Projecting the transmission dynamics of SARS-CoV-2 through the postpandemic period. Science, 2020, 368, 860-868.	6.0	2,103
76	Using observational data to quantify bias of traveller-derived COVID-19 prevalence estimates in Wuhan, China. Lancet Infectious Diseases, The, 2020, 20, 803-808.	4.6	58
77	Nowcasting by Bayesian Smoothing: A flexible, generalizable model for real-time epidemic tracking. PLoS Computational Biology, 2020, 16, e1007735.	1.5	79
78	Horizontal gene transfer rate is not the primary determinant of observed antibiotic resistance frequencies in Streptococcus pneumoniae. Science Advances, 2020, 6, eaaz6137.	4.7	19
79	Frequency-dependent selection can forecast evolution in Streptococcus pneumoniae. PLoS Biology, 2020, 18, e3000878.	2.6	24
80	Practical considerations for measuring the effective reproductive number, Rt. PLoS Computational Biology, 2020, 16, e1008409.	1.5	343
81	Temporal rise in the proportion of younger adults and older adolescents among coronavirus disease (COVID-19) cases following the introduction of physical distancing measures, Germany, March to April 2020. Eurosurveillance, 2020, 25, .	3.9	39
82	Potential impact of outpatient stewardship interventions on antibiotic exposures of common bacterial pathogens. ELife, 2020, 9, .	2.8	10
83	Targeted surveillance strategies for efficient detection of novel antibiotic resistance variants. ELife, 2020, 9, .	2.8	6
84	Frequency-dependent selection can forecast evolution in Streptococcus pneumoniae. , 2020, 18, e3000878.		0
85	Frequency-dependent selection can forecast evolution in Streptococcus pneumoniae. , 2020, 18, e3000878.		0
86	Frequency-dependent selection can forecast evolution in Streptococcus pneumoniae. , 2020, 18, e3000878.		0
87	Frequency-dependent selection can forecast evolution in Streptococcus pneumoniae. , 2020, 18, e3000878.		0
88	Frequency-dependent selection can forecast evolution in Streptococcus pneumoniae. , 2020, 18, e3000878.		0
89	Frequency-dependent selection can forecast evolution in Streptococcus pneumoniae. , 2020, 18, e3000878.		0
90	Regulating impact on bystanders in clinical trials: An unsettled frontier. Clinical Trials, 2019, 16, 450-454.	0.7	8

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91	Comment on: â€˜Antibiotic footprintâ€™ as a communication tool to aid reduction of antibiotic consumption. Journal of Antimicrobial Chemotherapy, 2019, 74, 3404-3406.	1.3	3
92	Enhancing Situational Awareness to Prevent Infectious Disease Outbreaks from Becoming Catastrophic. Current Topics in Microbiology and Immunology, 2019, 424, 59-74.	0.7	21
93	Postexposure Effects of Vaccines on Infectious Diseases. Epidemiologic Reviews, 2019, 41, 13-27.	1.3	25
94	Surveillance to maintain the sensitivity of genotype-based antibiotic resistance diagnostics. PLoS Biology, 2019, 17, e3000547.	2.6	15
95	Influenza A Hemagglutinin Passage Bias Sites and Host Specificity Mutations. Cells, 2019, 8, 958.	1.8	6
96	Levels of outpatient prescribing for four major antibiotic classes and rates of septicemia hospitalization in adults in different US states - a statistical analysis. BMC Public Health, 2019, 19, 1138.	1.2	3
97	Modelling the epidemiologic impact of achieving UNAIDS fast-track 90-90-90 and 95-95-95 targets in South Africa. Epidemiology and Infection, 2019, 147, e122.	1.0	11
98	On the role of different age groups during pertussis epidemics in California, 2010 and 2014. Epidemiology and Infection, 2019, 147, e184.	1.0	7
99	On the evolutionary ecology of multidrug resistance in bacteria. PLoS Pathogens, 2019, 15, e1007763.	2.1	54
100	Resistance diagnostics as a public health tool to combat antibiotic resistance: A model-based evaluation. PLoS Biology, 2019, 17, e3000250.	2.6	33
101	Antimicrobial resistance prevalence, rates of hospitalization with septicemia and rates of mortality with sepsis in adults in different US states. International Journal of Antimicrobial Agents, 2019, 54, 23-34.	1.1	35
102	Limited available evidence supports theoretical predictions of reduced vaccine efficacy at higher exposure dose. Scientific Reports, 2019, 9, 3203.	1.6	18
103	Herd immunity alters the conditions for performing dose schedule comparisons: an individual-based model of pneumococcal carriage. BMC Infectious Diseases, 2019, 19, 227.	1.3	6
104	THE AUTHORS REPLY. American Journal of Epidemiology, 2019, 188, 807-808.	1.6	1
105	Case-based surveillance of antimicrobial resistance with full susceptibility profiles. JAC-Antimicrobial Resistance, 2019, 1, dlz070.	0.9	19
106	Mathematical modelling for antibiotic resistance control policy: do we know enough?. BMC Infectious Diseases, 2019, 19, 1011.	1.3	37
107	Hospitalizations Associated with Respiratory Syncytial Virus and Influenza in Children, Including Children Diagnosed with Asthma. Epidemiology, 2019, 30, 918-926.	1.2	18
108	Depletion-of-susceptibles bias in influenza vaccine waning studies: how to ensure robust results. Epidemiology and Infection, 2019, 147, e306.	1.0	36

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109	Azithromycin Susceptibility AmongNeisseria gonorrhoeaeIsolates and Seasonal Macrolide Use. Journal of Infectious Diseases, 2019, 219, 619-623.	1.9	41
110	Challenges of Vaccine Effectiveness and Waning Studies. Clinical Infectious Diseases, 2019, 68, 1631-1633.	2.9	41
111	Models of immune selection for multi-locus antigenic diversity of pathogens. Nature Reviews Immunology, 2019, 19, 55-62.	10.6	23
112	The Relative Impact of Community and Hospital Antibiotic Use on the Selection of Extended-spectrum Beta-lactamaseâ€"producing Escherichia coli. Clinical Infectious Diseases, 2019, 69, 182-188.	2.9	23
113	Analyzing Vaccine Trials in Epidemics With Mild and Asymptomatic Infection. American Journal of Epidemiology, 2019, 188, 467-474.	1.6	23
114	Population genomics of pneumococcal carriage in Massachusetts children following introduction of PCV-13. Microbial Genomics, 2019, 5, .	1.0	12
115	Interaction Patterns of Men Who Have Sex With Men on a Geosocial Networking Mobile App in Seven United States Metropolitan Areas: Observational Study. Journal of Medical Internet Research, 2019, 21, e13766.	2.1	5
116	Response to comment on 'The distribution of antibiotic use and its association with antibiotic resistance'. ELife, 2019, 8, .	2.8	1
117	Competing Effects of Indirect Protection and Clustering on the Power of Cluster-Randomized Controlled Vaccine Trials. American Journal of Epidemiology, 2018, 187, 1763-1771.	1.6	17
118	Serotype-specific immune responses to pneumococcal conjugate vaccine among children are significantly correlated by individual: Analysis of randomized controlled trial data. Vaccine, 2018, 36, 473-478.	1.7	11
119	Weak Epistasis May Drive Adaptation in Recombining Bacteria. Genetics, 2018, 208, 1247-1260.	1.2	51
120	On the Relative Role of Different Age Groups During Epidemics Associated With Respiratory Syncytial Virus. Journal of Infectious Diseases, 2018, 217, 238-244.	1.9	34
121	Estimating the proportion of bystander selection for antibiotic resistance among potentially pathogenic bacterial flora. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E11988-E11995.	3.3	141
122	Toward economic evaluation of the value of vaccines and other health technologies in addressing AMR. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 12911-12919.	3.3	107
123	Microbiome as a tool and a target in the effort to address antimicrobial resistance. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 12902-12910.	3.3	72
124	Use of an individual-based model of pneumococcal carriage for planning a randomized trial of a whole-cell vaccine. PLoS Computational Biology, 2018, 14, e1006333.	1.5	6
125	Multidrug-resistant Neisseria gonorrhoeae: implications for future treatment strategies. Lancet Infectious Diseases, The, 2018, 18, 599.	4.6	9
126	Impact of stochastically generated heterogeneity in hazard rates on individually randomized vaccine efficacy trials. Clinical Trials, 2018, 15, 207-211.	0.7	11

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127	The impact of serotype-specific vaccination on phylodynamic parameters of Streptococcus pneumoniae and the pneumococcal pan-genome. PLoS Pathogens, 2018, 14, e1006966.	2.1	25
128	Preprints: An underutilized mechanism to accelerate outbreak science. PLoS Medicine, 2018, 15, e1002549.	3.9	100
129	The evolution of antibiotic resistance in a structured host population. Journal of the Royal Society Interface, 2018, 15, 20180040.	1.5	49
130	Can antibiotic resistance be reduced by vaccinating against respiratory disease?. Lancet Respiratory Medicine,the, 2018, 6, 820-821.	5.2	14
131	Trends in outpatient antibiotic use and prescribing practice among US older adults, 2011-15: observational study. BMJ: British Medical Journal, 2018, 362, k3155.	2.4	58
132	Measurement of Vaccine Direct Effects Under the Test-Negative Design. American Journal of Epidemiology, 2018, 187, 2686-2697.	1.6	91
133	Why Do Exceptionally Dangerous Gain-of-Function Experiments in Influenza?. Methods in Molecular Biology, 2018, 1836, 589-608.	0.4	14
134	Choices in vaccine trial design in epidemics of emerging infections. PLoS Medicine, 2018, 15, e1002632.	3.9	29
135	Impact of Antimicrobial Treatment for Acute Otitis Media on Carriage Dynamics of Penicillin-Susceptible and Penicillin-Nonsusceptible Streptococcus pneumoniae. Journal of Infectious Diseases, 2018, 218, 1356-1366.	1.9	13
136	Antigenic Variation in Streptococcus pneumoniae PspC Promotes Immune Escape in the Presence of Variant-Specific Immunity. MBio, 2018, 9, .	1.8	24
137	Panproteome-wide analysis of antibody responses to whole cell pneumococcal vaccination. ELife, 2018, 7, .	2.8	26
138	The distribution of antibiotic use and its association with antibiotic resistance. ELife, 2018, 7, .	2.8	132
139	Pneumococcal protein antigen serology varies with age and may predict antigenic profile of colonizing isolates. Journal of Infectious Diseases, 2017, 215, jiw628.	1.9	18
140	Evolution of antibiotic resistance is linked to any genetic mechanism affecting bacterial duration of carriage. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 1075-1080.	3.3	133
141	Displacement of sexual partnerships in trials of sexual behavior interventions: A model-based assessment of consequences. Epidemics, 2017, 20, 94-101.	1.5	3
142	Vaccine testing for emerging infections: the case for individual randomisation. Journal of Medical Ethics, 2017, 43, 625-631.	1.0	12
143	Temporally Varying Relative Risks for Infectious Diseases. Epidemiology, 2017, 28, 136-144.	1.2	37
144	Population effect of influenza vaccination under co-circulation of non-vaccine variants and the case for a bivalent A/H3N2 vaccine component. Epidemics, 2017, 19, 74-82.	1.5	4

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145	Monitoring the fitness of antiviral-resistant influenza strains during an epidemic: a mathematical modelling study. Lancet Infectious Diseases, The, 2017, 17, 339-347.	4.6	27
146	Diverse evolutionary patterns of pneumococcal antigens identified by pangenome-wide immunological screening. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E357-E366.	3.3	68
147	Immunization, Antibiotic Use, and Pneumococcal Colonization Over a 15-Year Period. Pediatrics, 2017, 140, .	1.0	33
148	Frequency-dependent selection in vaccine-associated pneumococcal population dynamics. Nature Ecology and Evolution, 2017, 1, 1950-1960.	3.4	121
149	Host population structure and treatment frequency maintain balancing selection on drug resistance. Journal of the Royal Society Interface, 2017, 14, 20170295.	1.5	32
150	Improving vaccine trials in infectious disease emergencies. Science, 2017, 357, 153-156.	6.0	28
151	Exploring the role of competition induced by non-vaccine serotypes for herd protection following pneumococcal vaccination. Journal of the Royal Society Interface, 2017, 14, 20170620.	1.5	18
152	Vaccine Effects on Heterogeneity in Susceptibility and Implications for Population Health Management. MBio, 2017, 8, .	1.8	32
153	Underprotection of Unpredictable Statistical Lives Compared to Predictable Ones. Risk Analysis, 2017, 37, 893-904.	1.5	5
154	Shared Genomic Variants: Identification of Transmission Routes Using Pathogen Deep-Sequence Data. American Journal of Epidemiology, 2017, 186, 1209-1216.	1.6	84
155	Pan-serotype Reduction in Progression of Streptococcus pneumoniae to Otitis Media After Rollout of Pneumococcal Conjugate Vaccines. Clinical Infectious Diseases, 2017, 65, 1853-1861.	2.9	23
156	Systematic analysis of protein identity between Zika virus and other arthropod-borne viruses. Bulletin of the World Health Organization, 2017, 95, 517-525I.	1.5	52
157	Using simulation to aid trial design: Ring-vaccination trials. PLoS Neglected Tropical Diseases, 2017, 11, e0005470.	1.3	25
158	Simulations for designing and interpreting intervention trials in infectious diseases. BMC Medicine, 2017, 15, 223.	2.3	64
159	If a Global Catastrophic Biological Risk Materializes, at What Stage Will We Recognize It?. Health Security, 2017, 15, 331-334.	0.9	18
160	Antibiotic Consumption and Antibiotic Resistance Across Organisms, Drugs, and Consumer Groups. Open Forum Infectious Diseases, 2017, 4, S18-S19.	0.4	1
161	Impact of Host Heterogeneity on the Efficacy of Interventions to ReduceStaphylococcus aureusCarriage. Infection Control and Hospital Epidemiology, 2016, 37, 197-204.	1.0	7
162	Zika vaccine trials. Science, 2016, 353, 1094-1095.	6.0	7

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163	Observational studies and the difficult quest for causality: lessons from vaccine effectiveness and impact studies. International Journal of Epidemiology, 2016, 45, dyw124.	0.9	82
164	Comment on â€œGain-of-Function Research and the Relevance to Clinical Practiceâ€: Table 1.. Journal of Infectious Diseases, 2016, 214, 1284-1285.	1.9	3
165	Genomic Epidemiology of Gonococcal Resistance to Extended-Spectrum Cephalosporins, Macrolides, and Fluoroquinolones in the United States, 2000â€“2013. Journal of Infectious Diseases, 2016, 214, 1579-1587.	1.9	186
166	Fractional dosing of yellow fever vaccine to extend supply: a modelling study. Lancet, The, 2016, 388, 2904-2911.	6.3	72
167	How Can Vaccines Contribute to Solving the Antimicrobial Resistance Problem?. MBio, 2016, 7, .	1.8	152
168	Identifying the effect of patient sharing on between-hospital genetic differentiation of methicillin-resistant Staphylococcus aureus. Genome Medicine, 2016, 8, 18.	3.6	20
169	Improving Control of Antibiotic-Resistant Gonorrhea by Integrating Research Agendas Across Disciplines: Key Questions Arising From Mathematical Modeling. Journal of Infectious Diseases, 2016, 213, 883-890.	1.9	38
170	Infective endocarditis and cancer in the elderly. European Journal of Epidemiology, 2016, 31, 41-49.	2.5	22
171	Viral factors in influenza pandemic risk assessment. ELife, 2016, 5, .	2.8	82
172	Population genomic datasets describing the post-vaccine evolutionary epidemiology of Streptococcus pneumoniae. Scientific Data, 2015, 2, 150058.	2.4	67
173	Examining the role of different age groups and of vaccination during the 2012 Minnesota pertussis outbreak. Scientific Reports, 2015, 5, 13182.	1.6	20
174	How could preventive therapy affect the prevalence of drug resistance? Causes and consequences. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20140306.	1.8	19
175	Enhancing disease surveillance with novel data streams: challenges and opportunities. EPJ Data Science, 2015, 4, .	1.5	119
176	Estimating the hospitalization burden associated with influenza and respiratory syncytial virus in <scp>N</scp>ew <scp>Y</scp>ork <scp>C</scp>ity, 2003â€“2011. Influenza and Other Respiratory Viruses, 2015, 9, 225-233.	1.5	46
177	Identification of pneumococcal colonization determinants in the stringent response pathway facilitated by genomic diversity. BMC Genomics, 2015, 16, 369.	1.2	13
178	Defusing a Biological Bomb. Scientific American, 2015, 312, 14-14.	1.0	0
179	Reply to â€œStudies on Influenza Virus Transmission between Ferrets: the Public Health Risks Revisitedâ€: MBio, 2015, 6, .	1.8	12
180	Origin and Proliferation of Multiple-Drug Resistance in Bacterial Pathogens. Microbiology and Molecular Biology Reviews, 2015, 79, 101-116.	2.9	183

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181	Sequence tagâ€“based analysis of microbial population dynamics. Nature Methods, 2015, 12, 223-226.	9.0	100
182	Stability of the pneumococcal population structure in Massachusetts as PCV13 was introduced. BMC Infectious Diseases, 2015, 15, 68.	1.3	26
183	Inference of seasonal and pandemic influenza transmission dynamics. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2723-2728.	3.3	133
184	Selective and Genetic Constraints on Pneumococcal Serotype Switching. PLoS Genetics, 2015, 11, e1005095.	1.5	78
185	Carriage burden, multiple colonization and antibiotic pressure promote emergence of resistant vaccine escape pneumococci. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20140342.	1.8	31
186	Ebola and beyond. Science, 2015, 348, 46-48.	6.0	18
187	Effect of Serotype on Pneumococcal Competition in a Mouse Colonization Model. MBio, 2015, 6, e00902-15.	1.8	47
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