List of Publications by Year in descending order

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FILLYKLEIN

#	Article	IF	CITATIONS
1	Global increase and geographic convergence in antibiotic consumption between 2000 and 2015. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E3463-E3470.	7.1	1,907
2	Hospitalizations and Deaths Caused by Methicillin-Resistant <i>Staphylococcus aureus</i> , United States, 1999–2005. Emerging Infectious Diseases, 2007, 13, 1840-1846.	4.3	741
3	The frequency of influenza and bacterial coinfection: a systematic review and metaâ€analysis. Influenza and Other Respiratory Viruses, 2016, 10, 394-403.	3.4	391
4	A systematic review of mathematical models of mosquito-borne pathogen transmission: 1970–2010. Journal of the Royal Society Interface, 2013, 10, 20120921.	3.4	306
5	Global trends in antimicrobial use in aquaculture. Scientific Reports, 2020, 10, 21878.	3.3	229
6	Assessment of WHO antibiotic consumption and access targets in 76 countries, 2000–15: an analysis of pharmaceutical sales data. Lancet Infectious Diseases, The, 2021, 21, 107-115.	9.1	228
7	Risk of Acute Kidney Injury After Intravenous Contrast Media Administration. Annals of Emergency Medicine, 2017, 69, 577-586.e4.	0.6	195
8	Seasonality and Temporal Correlation between Community Antibiotic Use and Resistance in the United States. Clinical Infectious Diseases, 2012, 55, 687-694.	5.8	187
9	Recasting the theory of mosquito-borne pathogen transmission dynamics and control. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2014, 108, 185-197.	1.8	142
10	Infection With the Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Delta Variant Is Associated With Higher Recovery of Infectious Virus Compared to the Alpha Variant in Both Unvaccinated and Vaccinated Individuals. Clinical Infectious Diseases, 2022, 75, e715-e725.	5.8	130
11	SARS-CoV-2 Positivity Rate for Latinos in the Baltimore–Washington, DC Region. JAMA - Journal of the American Medical Association, 2020, 324, 392.	7.4	129
12	The Changing Epidemiology of Methicillin-Resistant Staphylococcus aureus in the United States: A National Observational Study. American Journal of Epidemiology, 2013, 177, 666-674.	3.4	128
13	The Mortality Burden of Multidrug-resistant Pathogens in India: A Retrospective, Observational Study. Clinical Infectious Diseases, 2019, 69, 563-570.	5.8	121
14	Trends in Antibiotic Resistance in Coagulase-Negative Staphylococci in the United States, 1999 to 2012. Antimicrobial Agents and Chemotherapy, 2014, 58, 1404-1409.	3.2	106
15	Antimalarial drug resistance: a review of the biology and strategies to delay emergence and spread. International Journal of Antimicrobial Agents, 2013, 41, 311-317.	2.5	102
16	Multisite Exploration of Clinical Decision Making for Antibiotic Use by Emergency Medicine Providers Using Quantitative and Qualitative Methods. Infection Control and Hospital Epidemiology, 2014, 35, 1114-1125.	1.8	101
17	Tracking global trends in the effectiveness of antibiotic therapy using the Drug Resistance Index. BMJ Global Health, 2019, 4, e001315.	4.7	96
18	Trends in antibiotic resistance among major bacterial pathogens isolated from blood cultures tested at a large private laboratory network in India, 2008–2014. International Journal of Infectious Diseases, 2016, 50, 75-82.	3.3	94

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19	Prevalence of Co-infection at the Time of Hospital Admission in COVID-19 Patients, A Multicenter Study. Open Forum Infectious Diseases, 2021, 8, ofaa578.	0.9	91
20	Community-associated Methicillin-Resistant <i>Staphylococcus aureus</i> in Outpatients, United States, 1999–2006. Emerging Infectious Diseases, 2009, 15, 1925-30.	4.3	90
21	The displacement of the SARS-CoV-2 variant Delta with Omicron: An investigation of hospital admissions and upper respiratory viral loads. EBioMedicine, 2022, 79, 104008.	6.1	89
22	Trends in Methicillin-Resistant Staphylococcus aureus Hospitalizations in the United States, 2010-2014. Clinical Infectious Diseases, 2017, 65, 1921-1923.	5.8	81
23	The path of least resistance: aggressive or moderate treatment?. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20140566.	2.6	79
24	Trends in Resistance to Carbapenems and Third-Generation Cephalosporins among Clinical Isolates of <i>Klebsiella pneumoniae</i> in the United States, 1999–2010. Infection Control and Hospital Epidemiology, 2013, 34, 259-268.	1.8	77
25	Antibiotic and pesticide susceptibility and the Anthropocene operating space. Nature Sustainability, 2018, 1, 632-641.	23.7	74
26	Economic incentives and mathematical models of disease. Environment and Development Economics, 2007, 12, 707-732.	1.5	71
27	Clinically immune hosts as a refuge for drug-sensitive malaria parasites. Malaria Journal, 2008, 7, 67.	2.3	63
28	Hospital-Community Interactions Foster Coexistence between Methicillin-Resistant Strains of Staphylococcus aureus. PLoS Pathogens, 2013, 9, e1003134.	4.7	61
29	Associations between phone mobility data and COVID-19 cases. Lancet Infectious Diseases, The, 2021, 21, e111.	9.1	60
30	The burden of vancomycin-resistant enterococcal infections in US hospitals, 2003 to 2004. Diagnostic Microbiology and Infectious Disease, 2008, 62, 81-85.	1.8	58
31	Germs Are Germs, and Why Not Take a Risk? Patients' Expectations for Prescribing Antibiotics in an Inner-City Emergency Department. Medical Decision Making, 2015, 35, 60-67.	2.4	55
32	National Costs Associated With Methicillin-Susceptible and Methicillin-Resistant Staphylococcus aureus Hospitalizations in the United States, 2010–2014. Clinical Infectious Diseases, 2019, 68, 22-28.	5.8	52
33	Categorical Risk Perception Drives Variability in Antibiotic Prescribing in the Emergency Department: A Mixed Methods Observational Study. Journal of General Internal Medicine, 2017, 32, 1083-1089.	2.6	47
34	Optimally timing primaquine treatment to reduce Plasmodium falciparum transmission in low endemicity Thai-Myanmar border populations. Malaria Journal, 2009, 8, 159.	2.3	45
35	Influenza A H1N1 Pandemic Strain Evolution – Divergence and the Potential for Antigenic Drift Variants. PLoS ONE, 2014, 9, e93632.	2.5	45
36	The Effect of Medicaid Expansion on Utilization in Maryland Emergency Departments. Annals of Emergency Medicine, 2017, 70, 607-614.e1.	0.6	45

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37	Prospective strategies to delay the evolution of anti-malarial drug resistance: weighing the uncertainty. Malaria Journal, 2010, 9, 217.	2.3	44
38	Multidrug- and Carbapenem-ResistantPseudomonas aeruginosain Children, United States, 1999–2012. Journal of the Pediatric Infectious Diseases Society, 2016, 6, piw064.	1.3	41
39	Sex and Gender Differences in Testing, Hospital Admission, Clinical Presentation, and Drivers of Severe Outcomes From COVID-19. Open Forum Infectious Diseases, 2021, 8, ofab448.	0.9	41
40	Evaluation of Metagenomic and Targeted Next-Generation Sequencing Workflows for Detection of Respiratory Pathogens from Bronchoalveolar Lavage Fluid Specimens. Journal of Clinical Microbiology, 2022, 60, .	3.9	40
41	Influence of provider and urgent care density across different socioeconomic strata on outpatient antibiotic prescribing in the USA. Journal of Antimicrobial Chemotherapy, 2015, 70, 1580-1587.	3.0	38
42	Analysis of the potential impact of durability, timing, and transmission blocking of COVID-19 vaccine on morbidity and mortality. EClinicalMedicine, 2021, 35, 100863.	7.1	35
43	Superinfection and the evolution of resistance to antimalarial drugs. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 3834-3842.	2.6	33
44	Introduction and geographic availability of new antibiotics approved between 1999 and 2014. PLoS ONE, 2018, 13, e0205166.	2.5	33
45	Early Prediction of Acute Kidney Injury in the Emergency Department With Machine-Learning Methods Applied to Electronic Health Record Data. Annals of Emergency Medicine, 2020, 76, 501-514.	0.6	32
46	Prereferral rectal artesunate for treatment of severe childhood malaria: a cost-effectiveness analysis. Lancet, The, 2010, 376, 1910-1915.	13.7	31
47	Stability of the Influenza Virus Hemagglutinin Protein Correlates with Evolutionary Dynamics. MSphere, 2018, 3, .	2.9	31
48	Policy Resistance Undermines Superspreader Vaccination Strategies for Influenza. PLoS Computational Biology, 2013, 9, e1002945.	3.2	30
49	A Diagnostic Stewardship Intervention To Improve Blood Culture Use among Adult Nonneutropenic Inpatients: the DISTRIBUTE Study. Journal of Clinical Microbiology, 2020, 58, .	3.9	30
50	The impact of interruptions on the duration of nursing interventions: a direct observation study in an academic emergency department. BMJ Quality and Safety, 2016, 25, 457-465.	3.7	29
51	Cost-Effectiveness of "Golden Mustard―for Treating Vitamin A Deficiency in India. PLoS ONE, 2010, 5, e12046.	2.5	28
52	Patients' and Clinicians' Perceptions of Antibiotic Prescribing for Upper Respiratory Infections in the Acute Care Setting. Medical Decision Making, 2018, 38, 547-561.	2.4	28
53	Global Investments In TB Control: Economic Benefits. Health Affairs, 2009, 28, w730-w742.	5.2	27
54	Predicting probability of perirectal colonization with carbapenem-resistant Enterobacteriaceae (CRE) and other carbapenem-resistant organisms (CROs) at hospital unit admission. Infection Control and Hospital Epidemiology, 2019, 40, 541-550.	1.8	26

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55	The role of procalcitonin results in antibiotic decision-making in coronavirus disease 2019 (COVID-19). Infection Control and Hospital Epidemiology, 2022, 43, 570-575.	1.8	25
56	Faropenem Consumption is Increasing in India. Clinical Infectious Diseases, 2016, 62, 1050.2-1052.	5.8	24
57	Modelling COVID-19 transmission in Africa: countrywise projections of total and severe infections under different lockdown scenarios. BMJ Open, 2021, 11, e044149.	1.9	24
58	Antibiotic resistance in patients with clinical features of healthcare-associated infections in an urban tertiary hospital in Sierra Leone: a cross-sectional study. Antimicrobial Resistance and Infection Control, 2020, 9, 38.	4.1	22
59	Antibiotic use among hospitalized adult patients in a setting with limited laboratory infrastructure in Freetown Sierra Leone, 2017–2018. International Journal of Infectious Diseases, 2020, 90, 71-76.	3.3	21
60	Decreased Use of Broad-Spectrum Antibiotics During the Coronavirus Disease 2019 Epidemic in South Korea. Journal of Infectious Diseases, 2021, 224, 949-955.	4.0	21
61	Temporal association between antibiotic use and resistance in Klebsiella pneumoniae at a tertiary care hospital. Antimicrobial Resistance and Infection Control, 2018, 7, 83.	4.1	20
62	The Impact of Influenza Vaccination on Antibiotic Use in the United States, 2010–2017. Open Forum Infectious Diseases, 2020, 7, ofaa223.	0.9	20
63	Should new antimalarial drugs be subsidized?. Journal of Health Economics, 2010, 29, 445-456.	2.7	19
64	Antibiotic-Associated Adverse Events in Hospitalized Children. Journal of the Pediatric Infectious Diseases Society, 2021, 10, 622-628.	1.3	19
65	Acute kidney injury following contrast media administration in the septic patient: A retrospective propensity-matched analysis. Journal of Critical Care, 2019, 51, 111-116.	2.2	19
66	Disease at the wildlife-livestock interface: Acaricide use on domestic cattle does not prevent transmission of a tick-borne pathogen with multiple hosts. Veterinary Parasitology, 2014, 199, 206-214.	1.8	18
67	Incidence and factors associated with emergency department visits for recurrent skin and soft tissue infections in patients in California, 2005–2011. Epidemiology and Infection, 2017, 145, 746-754.	2.1	18
68	Cross-Reactive Immune Responses as Primary Drivers of Malaria Chronicity. Infection and Immunity, 2014, 82, 140-151.	2.2	17
69	Temporal relationship between antibiotic use and respiratory virus activities in the Republic of Korea: a time-series analysis. Antimicrobial Resistance and Infection Control, 2018, 7, 56.	4.1	15
70	Machine learning and artificial intelligence: applications in healthcare epidemiology. Antimicrobial Stewardship & Healthcare Epidemiology, 2021, 1, .	0.5	15
71	Is Antimicrobial Resistance a Bigger Problem in Tertiary Care Hospitals Than in Small Community Hospitals in the United States?. Clinical Infectious Diseases, 2017, 65, 860-863.	5.8	14
72	The Role of Healthcare Worker-Mediated Contact Networks in the Transmission of Vancomycin-Resistant Enterococci. Open Forum Infectious Diseases, 2020, 7, ofaa056.	0.9	14

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73	Circulation of Enterovirus D68 during Period of Increased Influenza-Like Illness, Maryland, USA, 2021. Emerging Infectious Diseases, 2022, 28, 1525-1527.	4.3	13
74	Relationship between treatment-seeking behaviour and artemisinin drug quality in Chana. Malaria Journal, 2012, 11, 110.	2.3	12
75	The impact of heterogeneous transmission on the establishment and spread of antimalarial drug resistance. Journal of Theoretical Biology, 2014, 340, 177-185.	1.7	12
76	Potential impact of introducing the pneumococcal conjugate vaccine into national immunisation programmes: an economic-epidemiological analysis using data from India. BMJ Global Health, 2018, 3, e000636.	4.7	11
77	Identifying the drivers of multidrug-resistant Klebsiella pneumoniae at a European level. PLoS Computational Biology, 2021, 17, e1008446.	3.2	11
78	Antibiotic Utilization and the Role of Suspected and Diagnosed Mosquito-borne Illness Among Adults and Children With Acute Febrile Illness in Pune, India. Clinical Infectious Diseases, 2018, 66, 1602-1609.	5.8	10
79	How frequently are hospitalized patients colonized with carbapenem-resistant <i>Enterobacteriaceae</i> (CRE) already on contact precautions for other indications?. Infection Control and Hospital Epidemiology, 2018, 39, 1491-1493.	1.8	10
80	Administration of a β-Lactam Prior to Vancomycin as the First Dose of Antibiotic Therapy Improves Survival in Patients With Bloodstream Infections. Clinical Infectious Diseases, 2022, 75, 98-104.	5.8	10
81	Correlation between Emergency Medical Services Suspected COVID-19 Patients and Daily Hospitalizations. Prehospital Emergency Care, 2021, 25, 785-789.	1.8	9
82	Latino Household Transmission of Severe Acute Respiratory Syndrome Coronavirus 2. Clinical Infectious Diseases, 2022, 74, 1675-1677.	5.8	9
83	Coronavirus disease 2019 (COVID-19) research agenda for healthcare epidemiology. Infection Control and Hospital Epidemiology, 2022, 43, 156-166.	1.8	8
84	A Data-Driven Framework for Identifying Intensive Care Unit Admissions Colonized With Multidrug-Resistant Organisms. Frontiers in Public Health, 2022, 10, 853757.	2.7	8
85	Risk of Acute Kidney Injury Associated With Medication Administration in the Emergency Department. Journal of Emergency Medicine, 2020, 58, 487-496.	0.7	7
86	Associations between private vaccine and antimicrobial consumption across Indian states, 2009–2017. Annals of the New York Academy of Sciences, 2021, 1494, 31-43.	3.8	7
87	The effect of generic market entry on antibiotic prescriptions in the United States. Nature Communications, 2021, 12, 2937.	12.8	6
88	Longitudinal changes and regional variation of incident infection rates at cystic fibrosis centers, United States 2010-2016. Journal of Cystic Fibrosis, 2022, 21, 34-39.	0.7	6
89	Economic benefit of Tuberculosis control. Policy Research Working Papers, 2007, , .	1.4	6
90	Large Scale SARS-CoV-2 Molecular Testing and Genomic Surveillance Reveal Prolonged Infections, Protracted RNA shedding, and Viral Reinfections. Frontiers in Cellular and Infection Microbiology, 2022, 12, 809407.	3.9	6

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91	Emergency Department Utilization Among theÂUninsured During Insurance Expansion inÂMaryland. Annals of Emergency Medicine, 2018, 72, 156-165.	0.6	5
92	Where is my infusion pump? Harnessing network dynamics for improved hospital equipment fleet management. Journal of the American Medical Informatics Association: JAMIA, 2020, 27, 884-892.	4.4	5
93	Reduction in Emergency Department Presentations in a Regional Health System during the Covid-19 Pandemic. Western Journal of Emergency Medicine, 2021, 22, 842-850.	1.1	5
94	An Analysis of the Relationship Between the Heat Index and Arrivals in the Emergency Department. PLOS Currents, 2015, 7, .	1.4	5
95	Methicillin-Resistant and Methicillin-Sensitive <i>Staphylococcus aureus</i> Hospitalizations: National Inpatient Sample, 2016–2019. Open Forum Infectious Diseases, 2022, 9, ofab585.	0.9	5
96	Identifying the relationship between length of hospital stay and the probability of readmission. Applied Economics Letters, 2018, 25, 375-380.	1.8	4
97	Reply to Charra et al.: Global longitudinal assessment of 2019 changes in defined daily doses. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E11433-E11435.	7.1	4
98	Reply to Abat et al.: Improved policies necessary to ensure an effective future for antibiotics. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E8111-E8112.	7.1	4
99	Changing antibiotic resistance patterns for Staphylococcus aureus surgical site infections. Infection Control and Hospital Epidemiology, 2019, 40, 486-487.	1.8	4
100	Evidence and Patient Safety Prevail Over Myth and Dogma: Consensus Guidelines on the Use of Intravenous Contrast Media. Annals of Emergency Medicine, 2020, 76, 149-152.	0.6	4
101	Emergency Medicine Career Outcomes and Scholarly Pursuits: The Impact of Transitioning From a Threeâ€year to a Fourâ€year Nicheâ€based Residency Curriculum. AEM Education and Training, 2021, 5, 43-51.	1.2	4
102	Evidence-based Consensus on Intravenous Contrast Media and Acute Kidney Injury Will Improve Patient Care in the Emergency Department. Radiology, 2020, 295, E2-E2.	7.3	3
103	Characterization and impact of COVIDâ€19â€tested and infected patients: Experience of The Johns Hopkins Health System Regional Emergency Departments. Journal of the American College of Emergency Physicians Open, 2021, 2, e12321.	0.7	3
104	<i>Clostridioides difficile</i> Prevalence in the United States: National Inpatient Sample, 2016 to 2018. Open Forum Infectious Diseases, 2021, 8, ofab409.	0.9	3
105	A Patient Outcomes–Driven Feedback Platform for Emergency Medicine Clinicians: Human-Centered Design and Usability Evaluation of Linking Outcomes Of Patients (LOOP). JMIR Human Factors, 2022, 9, e30130.	2.0	3
106	Bioeconomic analysis of child-targeted subsidies for artemisinin combination therapies: a cost-effectiveness analysis. Journal of the Royal Society Interface, 2015, 12, 20141356.	3.4	2
107	Assessing attitudes to ED-based HIV testing: Development of a short-structured survey instrument. PLoS ONE, 2021, 16, e0252372.	2.5	2
108	Cost-effectiveness of carbapenem-resistant Enterobacteriaceae (CRE) surveillance in Maryland. Infection Control and Hospital Epidemiology, 2022, 43, 1162-1170.	1.8	2

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109	Improving antimicrobial prescribing for upper respiratory infections in the emergency department: Implementation of peer comparison with behavioral feedback. Antimicrobial Stewardship & Healthcare Epidemiology, 2021, 1, .	0.5	2
110	The potential impact of age and season on methicillin-resistant Staphylococcus aureus prevalence. Future Microbiology, 2013, 8, 809-812.	2.0	1
111	Tracking Antibiotic Effectiveness Worldwide 1999–2014 Using the Drug Resistance Index. Open Forum Infectious Diseases, 2016, 3, .	0.9	1
112	577. The Role of Healthcare Worker-Mediated Contact Networks in the Transmission of Vancomycin-Resistant Enterococci. Open Forum Infectious Diseases, 2019, 6, S272-S273.	0.9	1
113	Racial and ethnic disparities in hospital observation in Maryland. American Journal of Emergency Medicine, 2020, 46, 532-538.	1.6	1
114	Reassessing the Link Between Healthcare Access and Outpatient Antibiotic Prescribing. Journal of Infectious Diseases, 2021, 223, 2017-2019.	4.0	1
115	Development of an Electronic Algorithm to Identify in Real Time Adults Hospitalized With Suspected Community-Acquired Pneumonia. Open Forum Infectious Diseases, 2021, 8, ofab291.	0.9	1
116	Confidence interval methods for antimicrobial resistance surveillance data. Antimicrobial Resistance and Infection Control, 2021, 10, 91.	4.1	1
117	169. Development of a Real Time Electronic Algorithm to Identify Hospitalized Patients with Community-Acquired Pneumonia. Open Forum Infectious Diseases, 2020, 7, S92-S92.	0.9	1
118	Ventilator-Associated Staphylococcus aureus and Pseudomonas aeruginosa Infections Among Intensive Care Unit (ICU) Patients in Six Healthcare Systems: Temporal Trends and Risk Factors. Open Forum Infectious Diseases, 2016, 3, .	0.9	0
119	Global Antibiotic Use and Resistance. Open Forum Infectious Diseases, 2016, 3, .	0.9	0
120	Reply to Arnold and Beavin. Clinical Infectious Diseases, 2018, 67, 320-322.	5.8	0
121	Reply to Hemmige and David. Clinical Infectious Diseases, 2019, 69, 2040-2042.	5.8	0
122	Reply to Chopra and Rizvi. Clinical Infectious Diseases, 2019, 69, 1265-1266.	5.8	0
123	2742. The Impact of Influenza Vaccination on Antibiotic Use in the United States, 2010–2017. Open Forum Infectious Diseases, 2019, 6, S965-S966.	0.9	0
124	Resource utilization across the continuum of HIV care: An emergency department-based cohort study. American Journal of Emergency Medicine, 2021, 43, 164-169.	1.6	0
125	Should New Antimalarial Drugs Be Subsidized?. SSRN Electronic Journal, 0, , .	0.4	0
126	Hospitalist Infectious Disease Service in Academic Medical Centers: A Win-Win for Hospitalists and Fellows. Southern Medical Journal, 2018, 111, 534-536.	0.7	0

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127	Multiscale Modeling of Patient Movement to Determine Effects of Surveillance on Healthcare-Associated Infections. Infection Control and Hospital Epidemiology, 2020, 41, s325-s325.	1.8	0
128	The economic value of genetically engineered mosquitoes as a malaria control strategy depends on local transmission rates. Biotechnology Journal, 2022, 17, 2100373.	3.5	0