Lulla Opatowski

List of Publications by Year
in descending order

52	2,277	361413	265206
papers	citations	20 h-index	42 g-index

73	73	73	4151
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Estimating the burden of SARS-CoV-2 in France. Science, 2020, 369, 208-211.	12.6	880
2	Peripatetic health-care workers as potential superspreaders. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 18420-18425.	7.1	110
3	Risk assessment for antibiotic resistance in South East Asia. BMJ: British Medical Journal, 2017, 358, j3393.	2.3	94
4	Influenza interaction with cocirculating pathogens and its impact on surveillance, pathogenesis, and epidemic profile: A key role for mathematical modelling. PLoS Pathogens, 2018, 14, e1006770.	4.7	93
5	Optimizing COVID-19 surveillance in long-term care facilities: a modelling study. BMC Medicine, 2020, 18, 386.	5.5	71
6	Contribution of mathematical modeling to the fight against bacterial antibiotic resistance. Current Opinion in Infectious Diseases, 2011, 24, 279-287.	3.1	65
7	Transmission Characteristics of the 2009 H1N1 Influenza Pandemic: Comparison of 8 Southern Hemisphere Countries. PLoS Pathogens, 2011, 7, e1002225.	4.7	57
8	Detailed Contact Data and the Dissemination of Staphylococcus aureus in Hospitals. PLoS Computational Biology, 2015, 11, e1004170.	3.2	55
9	Antibiotic Dose Impact on Resistance Selection in the Community: a Mathematical Model of Î²-Lactams and Streptococcus pneumoniae Dynamics. Antimicrobial Agents and Chemotherapy, 2010, 54, 2330-2337.	3.2	45
10	Impact of pneumococcal conjugate vaccines on pneumococcal meningitis cases in France between 2001 and 2014: a time series analysis. BMC Medicine, 2016, 14, 211.	5.5	43
11	OutbreakTools: A new platform for disease outbreak analysis using the R software. Epidemics, 2014, 7, 28-34.	3.0	37
12	Assessing pneumococcal meningitis association with viral respiratory infections and antibiotics: insights from statistical and mathematical models. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20130519.	2.6	36
13	Seasonality of urinary tract infections in the United Kingdom in different age groups: longitudinal analysis of The Health Improvement Network (THIN). Epidemiology and Infection, 2018, 146, 37-45.	2.1	35
14	Unraveling the seasonal epidemiology of pneumococcus. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 1802-1807.	7.1	34
15	Impact of Antibiotic Exposure Patterns on Selection of Community-Associated Methicillin-Resistant Staphylococcus aureus in Hospital Settings. Antimicrobial Agents and Chemotherapy, 2011, 55, 4888-4895.	3.2	33
16	Measuring dynamic social contacts in a rehabilitation hospital: effect of wards, patient and staff characteristics. Scientific Reports, 2018, 8, 1686.	3.3	32
17	A Conceptual Discussion About the Basic Reproduction Number of Severe Acute Respiratory Syndrome Coronavirus 2 in Healthcare Settings. Clinical Infectious Diseases, 2021, 72, 141-143.	5.8	29
18	Close proximity interactions support transmission of ESBL-K. pneumoniae but not ESBL-E. coli in healthcare settings. PLoS Computational Biology, 2019, 15, e1006496.	3.2	25

#	Article	IF	Citations
19	Impact of Capsular Switch on Invasive Pneumococcal Disease Incidence in a Vaccinated Population. PLoS ONE, 2008, 3, e3244.	2.5	24
20	Inference of Significant Microbial Interactions From Longitudinal Metagenomics Data. Frontiers in Microbiology, 2018, 9, 2319.	3.5	22
21	Antibiotic Reduction Campaigns Do Not Necessarily Decrease Bacterial Resistance: the Example of Methicillin-Resistant Staphylococcus aureus. Antimicrobial Agents and Chemotherapy, 2013, 57, 4410-4416.	3.2	21
22	Intrinsic Epidemicity of Streptococcus pneumoniae Depends on Strain Serotype and Antibiotic Susceptibility Pattern. Antimicrobial Agents and Chemotherapy, 2011, 55, 5255-5261.	3.2	19
23	Insights into Persistence Mechanisms of a Zoonotic Virus in Bat Colonies Using a Multispecies Metapopulation Model. PLoS ONE, 2014, 9, e95610.	2.5	19
24	Mathematical models of infection transmission in healthcare settings: recent advances from the use of network structured data. Current Opinion in Infectious Diseases, 2017, 30, 410-418.	3.1	19
25	Exploring individual HPV coinfections is essential to predict HPV-vaccination impact on genotype distribution: A model-based approach. Vaccine, 2013, 31, 1238-1245.	3.8	18
26	An agent-based model simulation of influenza interactions at the host level: insight into the influenza-related burden of pneumococcal infections. BMC Infectious Diseases, 2017, 17, 382.	2.9	17
27	FCP: functional coverage of the proteome by structures. Bioinformatics, 2006, 22, 1792-1793.	4.1	15
28	Rapid antigen testing as a reactive response to surges in nosocomial SARS-CoV-2 outbreak risk. Nature Communications, 2022, 13, 236.	12.8	15
29	NosoSim: an agent-based model of nosocomial pathogens circulation in hospitals. Procedia Computer Science, 2010, 1, 2245-2252.	2.0	14
30	Interindividual Contacts and Carriage of Methicillin-ResistantStaphylococcus aureus: A Nested Case-Control Study. Infection Control and Hospital Epidemiology, 2015, 36, 922-929.	1.8	14
31	Interaction of Vaccination and Reduction of Antibiotic Use Drives Unexpected Increase of Pneumococcal Meningitis. Scientific Reports, 2015, 5, 11293.	3.3	14
32	A Oneâ€Health Quantitative Model to Assess the Risk of Antibiotic Resistance Acquisition in Asian Populations: Impact of Exposure Through Food, Water, Livestock and Humans. Risk Analysis, 2021, 41, 1427-1446.	2.7	13
33	Non-pharmaceutical interventions and COVID-19 vaccination strategies in Senegal: a modelling study. BMJ Global Health, 2022, 7, e007236.	4.7	13
34	Antibiotic Innovation May Contribute to Slowing the Dissemination of Multiresistant Streptococcus pneumoniae: The Example of Ketolides. PLoS ONE, 2008, 3, e2089.	2.5	12
35	Lockdown impact on age-specific contact patterns and behaviours, France, April 2020. Eurosurveillance, 2021, 26, .	7.0	12
36	Mitigating COVID-19 outbreaks in workplaces and schools by hybrid telecommuting. PLoS Computational Biology, 2021, 17, e1009264.	3.2	11

#	Article	IF	Citations
37	Characterizing and Comparing the Seasonality of Influenza-Like Illnesses and Invasive Pneumococcal Diseases Using Seasonal Waveforms. American Journal of Epidemiology, 2018, 187, 1029-1039.	3.4	10
38	Dynamics of livestock-associated methicillin resistant Staphylococcus aureus in pig movement networks: Insight from mathematical modeling and French data. Epidemics, 2020, 31, 100389.	3.0	10
39	COVID-19 containment measures and incidence of invasive bacterial disease. The Lancet Digital Health, 2021, 3, e331-e332.	12.3	10
40	Transmission Routes of Extended-Spectrum Beta-Lactamaseâ€“Producing Enterobacteriaceae in a Neonatology Ward in Madagascar. American Journal of Tropical Medicine and Hygiene, 2019, 100, 1355-1362.	1.4	9
41	Assessing the role of inter-facility patient transfer in the spread of carbapenemase-producing Enterobacteriaceae: the case of France between 2012 and 2015. Scientific Reports, 2020, 10, 14910.	3.3	8
42	Outpatient antibiotic use attributable to viral acute lower respiratory tract infections during the cold season in France, 2010-2017. International Journal of Antimicrobial Agents, 2021, 57, 106339.	2.5	7
43	Microbiome-pathogen interactions drive epidemiological dynamics of antibiotic resistance: A modeling study applied to nosocomial pathogen control. ELife, 2021, 10, .	6.0	6
44	CTCmodeler: An Agent-Based Framework to Simulate Pathogen Transmission Along an Inter-individual Contact Network in a Hospital. Lecture Notes in Computer Science, 2019, , 477-487.	1.3	5
45	Drivers of ESBL-producing Escherichia coli dynamics in calf fattening farms: A modelling study. One Health, 2021, 12, 100238.	3.4	5
46	Estimating the impact of influenza on the epidemiological dynamics of SARS-CoV-2. PeerJ, 2021, 9, e12566.	2.0	5
47	Contributions of modelling for the control of COVID-19 nosocomial transmission. Anaesthesia, Critical Care & Pain Medicine, 2022, 41, 101054.	1.4	3
48	Contact patterns and HPV-genotype interactions yield heterogeneous HPV-vaccine impacts depending on sexual behaviors: An individual-based model. Epidemics, 2022, 39, 100584.	3.0	3
49	Association of Pneumococcal Conjugate Vaccine Coverage With Pneumococcal Meningitis: An Analysis of French Administrative Areas, 2001â€“2016. American Journal of Epidemiology, 2019, 188, 1466-1474.	3.4	2
50	The Impact of Cocirculating Pathogens on Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2)/Coronavirus Disease 2019 Surveillance: How Concurrent Epidemics May Introduce Bias and Decrease the Observed SARS-CoV-2 Percentage Positivity. Journal of Infectious Diseases, 2022, 225, 199-207.	4.0	2
51	Contribution des modÃ¨les mathÃ©matiques Ã la comprÃ©hension de la dynamique de diffusion des bactÃ©ries multi-rÃ©sistantes Ã lâ€™hÃ´pital. Journal Des Anti-infectieux, 2013, 15, 193-203.	0.1	1
52	SimFI: A Transmission Agent-Based Model of Two Interacting Pathogens. Lecture Notes in Computer Science, 2018, , 72-83.	1.3	1