

Lulla Opatowski

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

2,277
citations

361413

20
h-index

265206

42
g-index

73
all docs

73
docs citations

73
times ranked

4151
citing authors

#	ARTICLE	IF	CITATIONS
1	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. <i>Journal of Infectious Diseases</i> , 2022, 225, 199-207.	4.0	2
2	Rapid antigen testing as a reactive response to surges in nosocomial SARS-CoV-2 outbreak risk. <i>Nature Communications</i> , 2022, 13, 236.	12.8	15
3	Non-pharmaceutical interventions and COVID-19 vaccination strategies in Senegal: a modelling study. <i>BMJ Global Health</i> , 2022, 7, e007236.	4.7	13
4	Contributions of modelling for the control of COVID-19 nosocomial transmission. <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2022, 41, 101054.	1.4	3
5	Contact patterns and HPV-genotype interactions yield heterogeneous HPV-vaccine impacts depending on sexual behaviors: An individual-based model. <i>Epidemics</i> , 2022, 39, 100584.	3.0	3
6	A One-Health Quantitative Model to Assess the Risk of Antibiotic Resistance Acquisition in Asian Populations: Impact of Exposure Through Food, Water, Livestock and Humans. <i>Risk Analysis</i> , 2021, 41, 1427-1446.	2.7	13
7	A Conceptual Discussion About the Basic Reproduction Number of Severe Acute Respiratory Syndrome Coronavirus 2 in Healthcare Settings. <i>Clinical Infectious Diseases</i> , 2021, 72, 141-143.	5.8	29
8	COVID-19 containment measures and incidence of invasive bacterial disease. <i>The Lancet Digital Health</i> , 2021, 3, e331-e332.	12.3	10
9	Drivers of ESBL-producing <i>Escherichia coli</i> dynamics in calf fattening farms: A modelling study. <i>One Health</i> , 2021, 12, 100238.	3.4	5
10	Outpatient antibiotic use attributable to viral acute lower respiratory tract infections during the cold season in France, 2010-2017. <i>International Journal of Antimicrobial Agents</i> , 2021, 57, 106339.	2.5	7
11	Mitigating COVID-19 outbreaks in workplaces and schools by hybrid telecommuting. <i>PLoS Computational Biology</i> , 2021, 17, e1009264.	3.2	11
12	Microbiome-pathogen interactions drive epidemiological dynamics of antibiotic resistance: A modeling study applied to nosocomial pathogen control. <i>ELife</i> , 2021, 10, .	6.0	6
13	Estimating the impact of influenza on the epidemiological dynamics of SARS-CoV-2. <i>PeerJ</i> , 2021, 9, e12566.	2.0	5
14	Lockdown impact on age-specific contact patterns and behaviours, France, April 2020. <i>Eurosurveillance</i> , 2021, 26, .	7.0	12
15	Assessing the role of inter-facility patient transfer in the spread of carbapenemase-producing Enterobacteriaceae: the case of France between 2012 and 2015. <i>Scientific Reports</i> , 2020, 10, 14910.	3.3	8
16	Optimizing COVID-19 surveillance in long-term care facilities: a modelling study. <i>BMC Medicine</i> , 2020, 18, 386.	5.5	71
17	Estimating the burden of SARS-CoV-2 in France. <i>Science</i> , 2020, 369, 208-211.	12.6	880
18	Dynamics of livestock-associated methicillin resistant <i>Staphylococcus aureus</i> in pig movement networks: Insight from mathematical modeling and French data. <i>Epidemics</i> , 2020, 31, 100389.	3.0	10

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19	CTCmodeler: An Agent-Based Framework to Simulate Pathogen Transmission Along an Inter-individual Contact Network in a Hospital. <i>Lecture Notes in Computer Science</i> , 2019, , 477-487.	1.3	5
20	Association of Pneumococcal Conjugate Vaccine Coverage With Pneumococcal Meningitis: An Analysis of French Administrative Areas, 2001â€“2016. <i>American Journal of Epidemiology</i> , 2019, 188, 1466-1474.	3.4	2
21	Close proximity interactions support transmission of ESBL-K. pneumoniae but not ESBL-E. coli in healthcare settings. <i>PLoS Computational Biology</i> , 2019, 15, e1006496.	3.2	25
22	Unraveling the seasonal epidemiology of pneumococcus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 1802-1807.	7.1	34
23	Transmission Routes of Extended-Spectrum Beta-Lactamaseâ€“Producing Enterobacteriaceae in a Neonatology Ward in Madagascar. <i>American Journal of Tropical Medicine and Hygiene</i> , 2019, 100, 1355-1362.	1.4	9
24	Measuring dynamic social contacts in a rehabilitation hospital: effect of wards, patient and staff characteristics. <i>Scientific Reports</i> , 2018, 8, 1686.	3.3	32
25	Characterizing and Comparing the Seasonality of Influenza-Like Illnesses and Invasive Pneumococcal Diseases Using Seasonal Waveforms. <i>American Journal of Epidemiology</i> , 2018, 187, 1029-1039.	3.4	10
26	Seasonality of urinary tract infections in the United Kingdom in different age groups: longitudinal analysis of The Health Improvement Network (THIN). <i>Epidemiology and Infection</i> , 2018, 146, 37-45.	2.1	35
27	Inference of Significant Microbial Interactions From Longitudinal Metagenomics Data. <i>Frontiers in Microbiology</i> , 2018, 9, 2319.	3.5	22
28	Influenza interaction with cocirculating pathogens and its impact on surveillance, pathogenesis, and epidemic profile: A key role for mathematical modelling. <i>PLoS Pathogens</i> , 2018, 14, e1006770.	4.7	93
29	SimFI: A Transmission Agent-Based Model of Two Interacting Pathogens. <i>Lecture Notes in Computer Science</i> , 2018, , 72-83.	1.3	1
30	Mathematical models of infection transmission in healthcare settings: recent advances from the use of network structured data. <i>Current Opinion in Infectious Diseases</i> , 2017, 30, 410-418.	3.1	19
31	An agent-based model simulation of influenza interactions at the host level: insight into the influenza-related burden of pneumococcal infections. <i>BMC Infectious Diseases</i> , 2017, 17, 382.	2.9	17
32	Risk assessment for antibiotic resistance in South East Asia. <i>BMJ: British Medical Journal</i> , 2017, 358, j3393.	2.3	94
33	Impact of pneumococcal conjugate vaccines on pneumococcal meningitis cases in France between 2001 and 2014: a time series analysis. <i>BMC Medicine</i> , 2016, 14, 211.	5.5	43
34	Interindividual Contacts and Carriage of Methicillin-Resistant <i>Staphylococcus aureus</i> : A Nested Case-Control Study. <i>Infection Control and Hospital Epidemiology</i> , 2015, 36, 922-929.	1.8	14
35	Interaction of Vaccination and Reduction of Antibiotic Use Drives Unexpected Increase of Pneumococcal Meningitis. <i>Scientific Reports</i> , 2015, 5, 11293.	3.3	14
36	Detailed Contact Data and the Dissemination of <i>Staphylococcus aureus</i> in Hospitals. <i>PLoS Computational Biology</i> , 2015, 11, e1004170.	3.2	55

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37	Insights into Persistence Mechanisms of a Zoonotic Virus in Bat Colonies Using a Multispecies Metapopulation Model. PLoS ONE, 2014, 9, e95610.	2.5	19
38	OutbreakTools: A new platform for disease outbreak analysis using the R software. Epidemics, 2014, 7, 28-34.	3.0	37
39	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
40	Contribution des modèles mathématiques à la compréhension de la dynamique de diffusion des bactéries multi-résistantes à l'hôpital. Journal Des Anti-infectieux, 2013, 15, 193-203.	0.1	1
41	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
42	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
43	Contribution of mathematical modeling to the fight against bacterial antibiotic resistance. Current Opinion in Infectious Diseases, 2011, 24, 279-287.	3.1	65
44	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
45	Intrinsic Epidemicity of Streptococcus pneumoniae Depends on Strain Serotype and Antibiotic Susceptibility Pattern. Antimicrobial Agents and Chemotherapy, 2011, 55, 5255-5261.	3.2	19
46	Transmission Characteristics of the 2009 H1N1 Influenza Pandemic: Comparison of 8 Southern Hemisphere Countries. PLoS Pathogens, 2011, 7, e1002225.	4.7	57
47	NosoSim: an agent-based model of nosocomial pathogens circulation in hospitals. Procedia Computer Science, 2010, 1, 2245-2252.	2.0	14
48	Antibiotic Dose Impact on Resistance Selection in the Community: a Mathematical Model of β -Lactams and <i>Streptococcus pneumoniae</i> Dynamics. Antimicrobial Agents and Chemotherapy, 2010, 54, 2330-2337.	3.2	45
49	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
50	Antibiotic Innovation May Contribute to Slowing the Dissemination of Multiresistant Streptococcus pneumoniae: The Example of Ketolides. PLoS ONE, 2008, 3, e2089.	2.5	12
51	Impact of Capsular Switch on Invasive Pneumococcal Disease Incidence in a Vaccinated Population. PLoS ONE, 2008, 3, e3244.	2.5	24
52	FCP: functional coverage of the proteome by structures. Bioinformatics, 2006, 22, 1792-1793.	4.1	15