

Lander Willem

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

1,714
citations

331670

21
h-index

361022

35
g-index

62
all docs

62
docs citations

62
times ranked

2169
citing authors

#	ARTICLE	IF	CITATIONS
1	Behavioural change models for infectious disease transmission: a systematic review (2010–2015). <i>Journal of the Royal Society Interface</i> , 2016, 13, 20160820.	3.4	252
2	Lessons from a decade of individual-based models for infectious disease transmission: a systematic review (2006-2015). <i>BMC Infectious Diseases</i> , 2017, 17, 612.	2.9	118
3	CoMix: comparing mixing patterns in the Belgian population during and after lockdown. <i>Scientific Reports</i> , 2020, 10, 21885.	3.3	91
4	The impact of contact tracing and household bubbles on deconfinement strategies for COVID-19. <i>Nature Communications</i> , 2021, 12, 1524.	12.8	87
5	A Nice Day for an Infection? Weather Conditions and Social Contact Patterns Relevant to Influenza Transmission. <i>PLoS ONE</i> , 2012, 7, e48695.	2.5	83
6	SOCRATES: an online tool leveraging a social contact data sharing initiative to assess mitigation strategies for COVID-19. <i>BMC Research Notes</i> , 2020, 13, 293.	1.4	59
7	Health and economic burden of respiratory syncytial virus (RSV) disease and the cost-effectiveness of potential interventions against RSV among children under 5 years in 72 Gavi-eligible countries. <i>BMC Medicine</i> , 2020, 18, 82.	5.5	59
8	Modelling the early phase of the Belgian COVID-19 epidemic using a stochastic compartmental model and studying its implied future trajectories. <i>Epidemics</i> , 2021, 35, 100449.	3.0	55
9	Mining the genome of <i>Arabidopsis thaliana</i> as a basis for the identification of novel bioactive peptides involved in oxidative stress tolerance. <i>Journal of Experimental Botany</i> , 2013, 64, 5297-5307.	4.8	52
10	Population-level mathematical modeling of antimicrobial resistance: a systematic review. <i>BMC Medicine</i> , 2019, 17, 81.	5.5	52
11	Estimating dynamic transmission model parameters for seasonal influenza by fitting to age and season-specific influenza-like illness incidence. <i>Epidemics</i> , 2015, 13, 1-9.	3.0	46
12	Individual decisions to vaccinate one's child or oneself: A discrete choice experiment rejecting free-riding motives. <i>Social Science and Medicine</i> , 2018, 207, 106-116.	3.8	46
13	SOCRATES-CoMix: a platform for timely and open-source contact mixing data during and in between COVID-19 surges and interventions in over 20 European countries. <i>BMC Medicine</i> , 2021, 19, 254.	5.5	45
14	A data-driven metapopulation model for the Belgian COVID-19 epidemic: assessing the impact of lockdown and exit strategies. <i>BMC Infectious Diseases</i> , 2021, 21, 503.	2.9	35
15	Household members do not contact each other at random: implications for infectious disease modelling. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20182201.	2.6	31
16	Assessing the feasibility and effectiveness of household-pooled universal testing to control COVID-19 epidemics. <i>PLoS Computational Biology</i> , 2021, 17, e1008688.	3.2	29
17	Drivers of vaccine decision-making in South Africa: A discrete choice experiment. <i>Vaccine</i> , 2019, 37, 2079-2089.	3.8	28
18	Integrating between-host transmission and within-host immunity to analyze the impact of varicella vaccination on zoster. <i>ELife</i> , 2015, 4, .	6.0	28

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19	The cost-effectiveness of pneumococcal vaccination in healthy adults over 50: An exploration of influential factors for Belgium. <i>Vaccine</i> , 2016, 34, 2106-2112.	3.8	27
20	Preferential differences in vaccination decision-making for oneself or one's child in The Netherlands: a discrete choice experiment. <i>BMC Public Health</i> , 2020, 20, 828.	2.9	26
21	COVID-19 mortality, excess mortality, deaths per million and infection fatality ratio, Belgium, 9 March 2020 to 28 June 2020. <i>Eurosurveillance</i> , 2022, 27, .	7.0	26
22	Active Learning to Understand Infectious Disease Models and Improve Policy Making. <i>PLoS Computational Biology</i> , 2014, 10, e1003563.	3.2	24
23	Ensuring continuous feedstock supply in agricultural residue value chains: A complex interplay of five influencing factors. <i>Biomass and Bioenergy</i> , 2018, 109, 209-220.	5.7	24
24	Cost-effectiveness of vaccination against herpes zoster in adults aged over 60 years in Belgium. <i>Vaccine</i> , 2012, 30, 675-684.	3.8	23
25	Maternally Derived Immunity Extends Swine Influenza A Virus Persistence within Farrow-to-Finish Pig Farms: Insights from a Stochastic Event-Driven Metapopulation Model. <i>PLoS ONE</i> , 2016, 11, e0163672.	2.5	22
26	Economic Evaluation of Vaccines: Belgian Reflections on the Need for a Broader Perspective. <i>Value in Health</i> , 2021, 24, 105-111.	0.3	21
27	Close contact infection dynamics over time: insights from a second large-scale social contact survey in Flanders, Belgium, in 2010-2011. <i>BMC Infectious Diseases</i> , 2021, 21, 274.	2.9	20
28	The influence of risk perceptions on close contact frequency during the SARS-CoV-2 pandemic. <i>Scientific Reports</i> , 2022, 12, 5192.	3.3	20
29	Economic evaluation of pneumococcal vaccines for adults aged over 50 years in Belgium. <i>Human Vaccines and Immunotherapeutics</i> , 2018, 14, 1218-1229.	3.3	19
30	Optimizing agent-based transmission models for infectious diseases. <i>BMC Bioinformatics</i> , 2015, 16, 183.	2.6	17
31	Control of endemic swine flu persistence in farrow-to-finish pig farms: a stochastic metapopulation modeling assessment. <i>Veterinary Research</i> , 2017, 48, 58.	3.0	17
32	Inferring age-specific differences in susceptibility to and infectiousness upon SARS-CoV-2 infection based on Belgian social contact data. <i>PLoS Computational Biology</i> , 2022, 18, e1009965.	3.2	16
33	Cost-effectiveness of Respiratory Syncytial Virus Disease Prevention Strategies: Maternal Vaccine Versus Seasonal or Year-Round Monoclonal Antibody Program in Norwegian Children. <i>Journal of Infectious Diseases</i> , 2022, 226, S95-S101.	4.0	15
34	Social Contact Patterns in an Individual-based Simulator for the Transmission of Infectious Diseases (Stride). <i>Procedia Computer Science</i> , 2017, 108, 2438-2442.	2.0	14
35	Animal Ownership and Touching Enrich the Context of Social Contacts Relevant to the Spread of Human Infectious Diseases. <i>PLoS ONE</i> , 2015, 10, e0133461.	2.5	13
36	Quantifying Parameter and Structural Uncertainty of Dynamic Disease Transmission Models Using MCMC. <i>Medical Decision Making</i> , 2015, 35, 633-647.	2.4	13

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37	Herpes zoster is associated with herpes simplex and other infections in under 60 year-olds. <i>Journal of Infection</i> , 2015, 70, 171-177.	3.3	13
38	Workplace influenza vaccination to reduce employee absenteeism: An economic analysis from the employers' perspective. <i>Vaccine</i> , 2021, 39, 2005-2015.	3.8	13
39	The impact of maternal RSV vaccine to protect infants in Gavi-supported countries: Estimates from two models. <i>Vaccine</i> , 2020, 38, 5139-5147.	3.8	12
40	Clustering of susceptible individuals within households can drive measles outbreaks: an individual-based model exploration. <i>Scientific Reports</i> , 2020, 10, 19645.	3.3	10
41	No Such Thing as a Free-Rider? Understanding Drivers of Childhood and Adult Vaccination through a Multicountry Discrete Choice Experiment. <i>Vaccines</i> , 2021, 9, 264.	4.4	8
42	Prime-Time: Symbolic Regression Takes Its Place in the Real World. <i>Genetic and Evolutionary Computation</i> , 2016, , 241-260.	1.0	7
43	Controlling SARS-CoV-2 in schools using repetitive testing strategies. <i>ELife</i> , 0, 11, .	6.0	7
44	Future Ramifications of Age-Dependent Immunity Levels for Measles: Explorations in an Individual-Based Model. <i>Lecture Notes in Computer Science</i> , 2019, , 456-467.	1.3	4