

# Niel Hens

## List of Publications by Year in descending order

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309  
papers

12,071  
citations

44042

48  
h-index

45285

90  
g-index

359  
all docs

359  
docs citations

359  
times ranked

14338  
citing authors

#	ARTICLE	IF	CITATIONS
1	A linear mixed model to estimate COVID-19-induced excess mortality. <i>Biometrics</i> , 2023, 79, 417-425.	0.8	8
2	A spatial model to jointly analyze self-reported survey data of COVID-19 symptoms and official COVID-19 incidence data. <i>Biometrical Journal</i> , 2023, 65, .	0.6	2
3	Pertussis Immunization During Pregnancy: Assessment of the Role of Maternal Antibodies on Immune Responses in Term and Preterm-Born Infants. <i>Clinical Infectious Diseases</i> , 2022, 74, 189-198.	2.9	7
4	Belgian population norms for the EQ-5D-5L, 2018. <i>Quality of Life Research</i> , 2022, 31, 527-537.	1.5	22
5	Age-dependent seroprevalence of SARS-CoV-2 antibodies in school-aged children from areas with low and high community transmission. <i>European Journal of Pediatrics</i> , 2022, 181, 571-578.	1.3	23
6	Impact of Adding Oseltamivir to Usual Care on Quality-Adjusted Life-Years During Influenza-Like Illness. <i>Value in Health</i> , 2022, 25, 178-184.	0.1	3
7	Impact of Maternal Pertussis Antibodies on the Infants' Cellular Immune Responses. <i>Clinical Infectious Diseases</i> , 2022, 75, 442-452.	2.9	6
8	Individual factors influencing COVID-19 vaccine acceptance in between and during pandemic waves (July-December 2020). <i>Vaccine</i> , 2022, 40, 151-161.	1.7	30
9	Two decades of regional trends in vaccination completion and coverage among children aged 12-23 months: an analysis of the Uganda Demographic Health Survey data from 1995 to 2016. <i>BMC Health Services Research</i> , 2022, 22, 40.	0.9	10
10	Dual Use of Public and Private Health Care Services in Brazil. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 1829.	1.2	6
11	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, .	3.9	26
12	Laplacian priors for Bayesian inference in the mixture cure model. <i>Statistics in Medicine</i> , 2022, 41, 2602-2626.	0.8	8
13	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.	1.5	16
14	Seroprevalence of IgG antibodies against SARS-CoV-2 – a serial prospective cross-sectional nationwide study of residual samples, Belgium, March to October 2020. <i>Eurosurveillance</i> , 2022, 27, .	3.9	19
15	The influence of risk perceptions on close contact frequency during the SARS-CoV-2 pandemic. <i>Scientific Reports</i> , 2022, 12, 5192.	1.6	20
16	Multivariate phenomenological models for real-time short-term forecasts of hospital capacity for COVID-19 in Belgium from March to June 2020. <i>Epidemiology and Infection</i> , 2022, 150, .	1.0	0
17	Identifying immunity gaps for measles using Belgian serial serology data. <i>Vaccine</i> , 2022, 40, 3676-3683.	1.7	1
18	Time trends in social contacts before and during the COVID-19 pandemic: the CONNECT study. <i>BMC Public Health</i> , 2022, 22, .	1.2	17

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19	Serial Intervals for SARS-CoV-2 Omicron and Delta Variants, Belgium, November 19–December 31, 2021. <i>Emerging Infectious Diseases</i> , 2022, 28, 1699-1702.	2.0	26
20	Antibiotic use and resistance in Belgium: the impact of two decades of multi-faceted campaigning. <i>Acta Clinica Belgica</i> , 2021, 76, 280-288.	0.5	23
21	Calling for pan-European commitment for rapid and sustained reduction in SARS-CoV-2 infections. <i>Lancet, The</i> , 2021, 397, 92-93.	6.3	71
22	Murine induced pluripotent stem cell–derived neuroimmune cell culture models emphasize opposite immune–effector functions of interleukin 13–primed microglia and macrophages in terms of neuroimmune toxicity. <i>Glia</i> , 2021, 69, 326-345.	2.5	4
23	Immunogenicity and persistence of trivalent measles, mumps, and rubella vaccines: a systematic review and meta-analysis. <i>Lancet Infectious Diseases, The</i> , 2021, 21, 286-295.	4.6	34
24	SARS-CoV-2 seroprevalence survey among health care providers in a Belgian public multiple-site hospital. <i>Epidemiology and Infection</i> , 2021, 149, e172.	1.0	9
25	Deep Reinforcement Learning for Large-Scale Epidemic Control. <i>Lecture Notes in Computer Science</i> , 2021, , 155-170.	1.0	10
26	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.	1.3	20
27	Simulation and Analysis Methods for Stochastic Compartmental Epidemic Models. <i>Annual Review of Statistics and Its Application</i> , 2021, 8, 69-88.	4.1	8
28	On realized serial and generation intervals given control measures: The COVID-19 pandemic case. <i>PLoS Computational Biology</i> , 2021, 17, e1008892.	1.5	21
29	The impact of contact tracing and household bubbles on deconfinement strategies for COVID-19. <i>Nature Communications</i> , 2021, 12, 1524.	5.8	87
30	Assessing the feasibility and effectiveness of household-pooled universal testing to control COVID-19 epidemics. <i>PLoS Computational Biology</i> , 2021, 17, e1008688.	1.5	29
31	Face masks in the post-COVID-19 era: a silver lining for the damaged tuberculosis public health response?. <i>Lancet Respiratory Medicine, the</i> , 2021, 9, 340-342.	5.2	20
32	Call for a pan-European COVID-19 response must be comprehensive – Authors' reply. <i>Lancet, The</i> , 2021, 397, 1541.	6.3	0
33	Workplace influenza vaccination to reduce employee absenteeism: An economic analysis from the employers' perspective. <i>Vaccine</i> , 2021, 39, 2005-2015.	1.7	13
34	The hepatitis C cascade of care in the Belgian HIV population: One step closer to elimination. <i>International Journal of Infectious Diseases</i> , 2021, 105, 217-223.	1.5	6
35	Measuring association among censored antibody titer data. <i>Statistics in Medicine</i> , 2021, 40, 3740-3761.	0.8	7
36	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.	1.3	35

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37	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.	1.5	55
38	Quantifying superspreading for COVID-19 using Poisson mixture distributions. <i>Scientific Reports</i> , 2021, 11, 14107.	1.6	17
39	Consumption of antibiotics in the community, European Union/European Economic Area, 1997â€“2017: data collection, management and analysis. <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 76, ii2-ii6.	1.3	14
40	Consumption of antibiotics in the community, European Union/European Economic Area, 1997â€“2017. <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 76, ii7-ii13.	1.3	40
41	Analysing the trend over time of antibiotic consumption in the community: a tutorial on the detection of common change-points. <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 76, ii79-ii85.	1.3	10
42	Consumption of macrolides, lincosamides and streptogramins in the community, European Union/European Economic Area, 1997â€“2017. <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 76, ii30-ii36.	1.3	16
43	Comparison of two simulators for individual based models in HIV epidemiology in a population with HSV 2 in YaoundÃ© (Cameroon). <i>Scientific Reports</i> , 2021, 11, 14696.	1.6	3
44	Change-points in antibiotic consumption in the community, European Union/European Economic Area, 1997â€“2017. <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 76, ii68-ii78.	1.3	12
45	Consumption of tetracyclines, sulphonamides and trimethoprim, and other antibacterials in the community, European Union/European Economic Area, 1997â€“2017. <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 76, ii45-ii59.	1.3	17
46	Consumption of cephalosporins in the community, European Union/European Economic Area, 1997â€“2017. <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 76, ii22-ii29.	1.3	14
47	Consumption of quinolones in the community, European Union/European Economic Area, 1997â€“2017. <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 76, ii37-ii44.	1.3	34
48	Consumption of penicillins in the community, European Union/European Economic Area, 1997â€“2017. <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 76, ii14-ii21.	1.3	17
49	Impact of changing reimbursement criteria on the use of fluoroquinolones in Belgium. <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 76, 2725-2732.	1.3	6
50	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.	2.3	45
51	On the timing of interventions to preserve hospital capacity: lessons to be learned from the Belgian SARS-CoV-2 pandemic in 2020. <i>Archives of Public Health</i> , 2021, 79, 164.	1.0	5
52	Influence of sexual risk behaviour and STI co-infection dynamics on the evolution of HIV set point viral load in MSM. <i>Epidemics</i> , 2021, 36, 100474.	1.5	0
53	Leveraging of SARS-CoV-2 PCR Cycle Thresholds Values to Forecast COVID-19 Trends. <i>Frontiers in Medicine</i> , 2021, 8, 743988.	1.2	16
54	Evaluation of the SARS-CoV-2 positivity ratio and upper respiratory tract viral load among asymptomatic individuals screened before hospitalization or surgery in Flanders, Belgium. <i>PLoS ONE</i> , 2021, 16, e0259908.	1.1	1

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55	A flexible bimodal model with long-term survivors and different regression structures. <i>Communications in Statistics Part B: Simulation and Computation</i> , 2020, 49, 2639-2660.	0.6	1
56	Inference of the generalized-growth model via maximum likelihood estimation: A reflection on the impact of overdispersion. <i>Journal of Theoretical Biology</i> , 2020, 484, 110029.	0.8	10
57	Quantity and Quality of Antibodies After Acellular Versus Whole-cell Pertussis Vaccines in Infants Born to Mothers Who Received Tetanus, Diphtheria, and Acellular Pertussis Vaccine During Pregnancy: A Randomized Trial. <i>Clinical Infectious Diseases</i> , 2020, 71, 72-80.	2.9	43
58	Neuromuscular blocking agents for tracheal intubation in pediatric patients (0-12 years): A systematic review and meta-analysis. <i>Paediatric Anaesthesia</i> , 2020, 30, 401-414.	0.6	8
59	Time between Symptom Onset, Hospitalisation and Recovery or Death: Statistical Analysis of Belgian COVID-19 Patients. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 7560.	1.2	189
60	Elucidating the difference in the kinetics of antibody titres of infants in Belgium and Vietnam. <i>Vaccine</i> , 2020, 38, 7079-7086.	1.7	2
61	Early detection of chronic hepatitis B and risk factor assessment in Turkish migrants, Middle Limburg, Belgium. <i>PLoS ONE</i> , 2020, 15, e0234740.	1.1	4
62	Infectious diseases epidemiology, quantitative methodology, and clinical research in the midst of the COVID-19 pandemic: Perspective from a European country. <i>Contemporary Clinical Trials</i> , 2020, 99, 106189.	0.8	14
63	Can COVID-19 symptoms as reported in a large-scale online survey be used to optimise spatial predictions of COVID-19 incidence risk in Belgium?. <i>Spatial and Spatio-temporal Epidemiology</i> , 2020, 35, 100379.	0.9	14
64	Clustering of susceptible individuals within households can drive measles outbreaks: an individual-based model exploration. <i>Scientific Reports</i> , 2020, 10, 19645.	1.6	10
65	THE POTENTIAL OF DONOR-DERIVED CELL-FREE DNA AS A BIOMARKER FOR REJECTION IN KIDNEY TRANSPLANTATION: A SYSTEMATIC REVIEW AND META-ANALYSIS. <i>Nephrology Dialysis Transplantation</i> , 2020, 35, .	0.4	0
66	The COVID-19 epidemic, its mortality, and the role of non-pharmaceutical interventions. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2020, 9, 204-208.	0.4	27
67	Optimising the case-crossover design for use in shared exposure settings. <i>Epidemiology and Infection</i> , 2020, 148, e151.	1.0	2
68	Short-term associations between Legionnaires' disease incidence and meteorological variables in Belgium, 2011-2019. <i>Epidemiology and Infection</i> , 2020, 148, e150.	1.0	8
69	Stable HEV IgG seroprevalence in Belgium between 2006 and 2014. <i>Journal of Viral Hepatitis</i> , 2020, 27, 1253-1260.	1.0	4
70	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.	0.6	59
71	Factors associated with HIV serodiscordance among couples in Mozambique: Comparison of the 2009 INSIDA and 2015 IMASIDA surveys. <i>PLoS ONE</i> , 2020, 15, e0234723.	1.1	1
72	A prospect on the use of antiviral drugs to control local outbreaks of COVID-19. <i>BMC Medicine</i> , 2020, 18, 191.	2.3	47

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73	Respiratory syncytial virus and influenza virus infection in adult primary care patients: Association of age with prevalence, diagnostic features and illness course. International Journal of Infectious Diseases, 2020, 95, 384-390.	1.5	19
74	CoMix: comparing mixing patterns in the Belgian population during and after lockdown. Scientific Reports, 2020, 10, 21885.	1.6	91
75	Estimating the generation interval for coronavirus disease (COVID-19) based on symptom onset data, March 2020. Eurosurveillance, 2020, 25, .	3.9	471
76	Authorsâ€™ response: Estimating the generation interval for COVID-19 based on symptom onset data. Eurosurveillance, 2020, 25, .	3.9	52
77	Using Individual-Based Models to Look Beyond the Horizon: The Changing Effects of Household-Based Clustering of Susceptibility to Measles in the Next 20 Years. Lecture Notes in Computer Science, 2020, , 385-398.	1.0	3
78	Title is missing!. , 2020, 15, e0234740.		0
79	Title is missing!. , 2020, 15, e0234740.		0
80	Title is missing!. , 2020, 15, e0234740.		0
81	Title is missing!. , 2020, 15, e0234740.		0
82	Title is missing!. , 2020, 15, e0241033.		0
83	Title is missing!. , 2020, 15, e0241033.		0
84	Title is missing!. , 2020, 15, e0241033.		0
85	Title is missing!. , 2020, 15, e0241033.		0
86	Title is missing!. , 2020, 15, e0241033.		0
87	Title is missing!. , 2020, 15, e0241033.		0
88	Title is missing!. , 2020, 15, e0241033.		0
89	Title is missing!. , 2020, 15, e0241033.		0
90	Memory CD4+ T cell receptor repertoire data mining as a tool for identifying cytomegalovirus serostatus. Genes and Immunity, 2019, 20, 255-260.	2.2	19

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91	Clinical and immunological control of experimental autoimmune encephalomyelitis by tolerogenic dendritic cells loaded with MOG-encoding mRNA. <i>Journal of Neuroinflammation</i> , 2019, 16, 167.	3.1	20
92	Incidence estimation from sentinel surveillance data; a simulation study and application to data from the Belgian laboratory sentinel surveillance. <i>BMC Public Health</i> , 2019, 19, 982.	1.2	3
93	Murine iPSC-derived microglia and macrophage cell culture models recapitulate distinct phenotypical and functional properties of classical and alternative neuro-immune polarisation. <i>Brain, Behavior, and Immunity</i> , 2019, 82, 406-421.	2.0	19
94	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.	1.0	4
95	The impact of behavioral interventions on co-infection dynamics: An exploration of the effects of home isolation. <i>Journal of Theoretical Biology</i> , 2019, 476, 5-18.	0.8	2
96	Improving ODE Integration on Graphics Processing Units by Reducing Thread Divergence. <i>Lecture Notes in Computer Science</i> , 2019, , 450-456.	1.0	0
97	<i>Plasmodium vivax</i> morbidity after radical cure: A cohort study in Central Vietnam. <i>PLoS Medicine</i> , 2019, 16, e1002784.	3.9	3
98	The seroprevalence of cytomegalovirus infection in Belgium anno 2002 and 2006: a comparative analysis with hepatitis A virus seroprevalence. <i>Epidemiology and Infection</i> , 2019, 147, e154.	1.0	1
99	First-void urine as a non-invasive liquid biopsy source to detect vaccine-induced human papillomavirus antibodies originating from cervicovaginal secretions. <i>Journal of Clinical Virology</i> , 2019, 117, 11-18.	1.6	14
100	Sample size calculation for estimating key epidemiological parameters using serological data and mathematical modelling. <i>BMC Medical Research Methodology</i> , 2019, 19, 51.	1.4	10
101	Prevalence and risk factors of hepatitis B virus infection in Middle Limburg Belgium, year 2017: Importance of migration. <i>Journal of Medical Virology</i> , 2019, 91, 1479-1488.	2.5	9
102	An ODE-based mixed modelling approach for B- and T-cell dynamics induced by Varicella-Zoster Virus vaccines in adults shows higher T-cell proliferation with Shingrix than with Varilrix. <i>Vaccine</i> , 2019, 37, 2537-2553.	1.7	9
103	SimpactCyan 1.0: An Open-source Simulator for Individual-Based Models in HIV Epidemiology with R and Python Interfaces. <i>Scientific Reports</i> , 2019, 9, 19289.	1.6	6
104	A Systematic Review of Social Contact Surveys to Inform Transmission Models of Close-contact Infections. <i>Epidemiology</i> , 2019, 30, 723-736.	1.2	159
105	Hepatitis B virus prevalence and risk factors in hard-to-reach Turkish population living in Belgium. <i>Medicine (United States)</i> , 2019, 98, e15412.	0.4	4
106	Measures for concordance and discordance with applications in disease control and prevention. <i>Statistical Methods in Medical Research</i> , 2019, 28, 3086-3099.	0.7	4
107	Assessing the relationship between epidemic growth scaling and epidemic size: The 2014-16 Ebola epidemic in West Africa. <i>Epidemiology and Infection</i> , 2019, 147, e27.	1.0	7
108	Correlated gamma frailty models for bivariate survival time data. <i>Statistical Methods in Medical Research</i> , 2019, 28, 3437-3450.	0.7	3

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109	Screening for hepatitis C at the emergency department: Should baby boomers also be screened in Belgium?. <i>Liver International</i> , 2019, 39, 667-675.	1.9	12
110	Current levels of gonorrhoea screening in MSM in Belgium may have little effect on prevalence: a modelling study. <i>Epidemiology and Infection</i> , 2018, 146, 333-338.	1.0	25
111	Simulation-based evaluation of the linear mixed model in the presence of an increasing proportion of singletons. <i>Biometrical Journal</i> , 2018, 60, 49-65.	0.6	4
112	Assessing the reactogenicity of Tdap vaccine administered during pregnancy and antibodies to <i>Bordetella pertussis</i> antigens in maternal and cord sera of Thai women. <i>Vaccine</i> , 2018, 36, 1453-1459.	1.7	31
113	Estimating nonlinear effects in the presence of cure fraction using a semi-parametric regression model. <i>Computational Statistics</i> , 2018, 33, 709-730.	0.8	12
114	Amoxicillin for acute lower respiratory tract infection in primary care: subgroup analysis by bacterial and viral aetiology. <i>Clinical Microbiology and Infection</i> , 2018, 24, 871-876.	2.8	21
115	Economic and social impact of increased cardiac rehabilitation uptake and cardiac telerehabilitation in Belgium – a cost-benefit analysis. <i>Acta Cardiologica</i> , 2018, 73, 222-229.	0.3	25
116	Heterogeneous computing for epidemiological model fitting and simulation. <i>BMC Bioinformatics</i> , 2018, 19, 101.	1.2	6
117	New regression model with four regression structures and computational aspects. <i>Communications in Statistics Part B: Simulation and Computation</i> , 2018, 47, 1940-1962.	0.6	3
118	Joint models for mixed categorical outcomes: a study of HIV risk perception and disease status in Mozambique. <i>Journal of Applied Statistics</i> , 2018, 45, 1781-1798.	0.6	0
119	A flexible semiparametric regression model for bimodal, asymmetric and censored data. <i>Journal of Applied Statistics</i> , 2018, 45, 1303-1324.	0.6	6
120	Potential Impact of Changes in the Schedule for Primary Diphtheria-Tetanus Toxoids-Pertussis Immunization as Control Strategy for Pertussis. <i>Pediatric Infectious Disease Journal</i> , 2018, 37, e36-e42.	1.1	5
121	Modelling time varying heterogeneity in recurrent infection processes: an application to serological data. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2018, 67, 687-704.	0.5	3
122	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.	1.2	31
123	Improving the accuracy and precision of estimated temporal trends in HIV incidence among MSM populations by calibrating agent-based simulation models to phylogenetic tree data. <i>Virus Evolution</i> , 2018, 4, .	2.2	0
124	Mapping maternal mortality rate via spatial zero-inflated models for count data: A case study of facility-based maternal deaths from Mozambique. <i>PLoS ONE</i> , 2018, 13, e0202186.	1.1	11
125	Transcriptome profiling in blood before and after hepatitis B vaccination shows significant differences in gene expression between responders and non-responders. <i>Vaccine</i> , 2018, 36, 6282-6289.	1.7	47
126	The role of age-mixing patterns in HIV transmission dynamics: Novel hypotheses from a field study in Cape Town, South Africa. <i>Epidemics</i> , 2018, 25, 61-71.	1.5	7

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127	The impact of regular school closure on seasonal influenza epidemics: a data-driven spatial transmission model for Belgium. <i>BMC Infectious Diseases</i> , 2018, 18, 29.	1.3	90
128	Resurgence risk for measles, mumps and rubella in France in 2018 and 2020. <i>Eurosurveillance</i> , 2018, 23, .	3.9	28
129	Non-invasive PET imaging of brain inflammation at disease onset predicts spontaneous recurrent seizures and reflects comorbidities. <i>Brain, Behavior, and Immunity</i> , 2017, 61, 69-79.	2.0	30
130	Prognostic and predictive aspects of the tumor immune microenvironment and immune checkpoints in malignant pleural mesothelioma. <i>Oncolmmunology</i> , 2017, 6, e1261241.	2.1	67
131	Multidisciplinary study of the secondary immune response in grandparents re-exposed to chickenpox. <i>Scientific Reports</i> , 2017, 7, 1077.	1.6	28
132	Estimation of the burden of varicella in Europe before the introduction of universal childhood immunization. <i>BMC Infectious Diseases</i> , 2017, 17, 353.	1.3	53
133	Estimating the spatial covariance structure using the geoaddivitive model. <i>Environmental and Ecological Statistics</i> , 2017, 24, 341-361.	1.9	3
134	Public Health Impact of Congenital Toxoplasmosis and Cytomegalovirus Infection in Belgium, 2013: A Systematic Review and Data Synthesis. <i>Clinical Infectious Diseases</i> , 2017, 65, 661-668.	2.9	17
135	Quality-of-life: a many-splendored thing? Belgian population norms and 34 potential determinants explored by beta regression. <i>Quality of Life Research</i> , 2017, 26, 2011-2023.	1.5	7
136	Parametric Overdispersed Frailty Models for Current Status Data. <i>Biometrics</i> , 2017, 73, 1388-1400.	0.8	3
137	Structural differences in mixing behavior informing the role of asymptomatic infection and testing symptom heritability. <i>Mathematical Biosciences</i> , 2017, 285, 43-54.	0.9	11
138	Using additive and coupled spatiotemporal SPDE models: a flexible illustration for predicting occurrence of <i>Culicoides</i> species. <i>Spatial and Spatio-temporal Epidemiology</i> , 2017, 23, 11-34.	0.9	3
139	A systematic review of varicella seroprevalence in European countries before universal childhood immunization: deriving incidence from seroprevalence data. <i>Epidemiology and Infection</i> , 2017, 145, 2666-2677.	1.0	66
140	Estimating age-time-dependent malaria force of infection accounting for unobserved heterogeneity. <i>Epidemiology and Infection</i> , 2017, 145, 2545-2562.	1.0	3
141	Influenza epidemic surveillance and prediction based on electronic health record data from an out-of-hours general practitioner cooperative: model development and validation on 2003-2015 data. <i>BMC Infectious Diseases</i> , 2017, 17, 84.	1.3	10
142	Effect of Prepregnancy Pertussis Vaccination in Young Infants. <i>Journal of Infectious Diseases</i> , 2017, 215, 1855-1861.	1.9	19
143	Persistence of antimicrobial resistance in respiratory streptococci. <i>Journal of Global Antimicrobial Resistance</i> , 2017, 8, 6-12.	0.9	3
144	The shape of the contact-density function matters when modelling parasite transmission in fluctuating populations. <i>Royal Society Open Science</i> , 2017, 4, 171308.	1.1	19

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145	Cross-covariance functions for additive and coupled joint spatiotemporal SPDE models in R-INLA. <i>Environmental and Ecological Statistics</i> , 2017, 24, 551-586.	1.9	2
146	A flexible method to model HIV serodiscordance among couples in Mozambique. <i>PLoS ONE</i> , 2017, 12, e0172959.	1.1	8
147	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.	1.3	118
148	Mathematical models used to inform study design or surveillance systems in infectious diseases: a systematic review. <i>BMC Infectious Diseases</i> , 2017, 17, 775.	1.3	29
149	A cross-sectional seroepidemiological survey of typhoid fever in Fiji. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005786.	1.3	34
150	Abundant expression of TIM-3, LAG-3, PD-1 and PD-L1 as immunotherapy checkpoint targets in effusions of mesothelioma patients. <i>Oncotarget</i> , 2017, 8, 89722-89735.	0.8	43
151	Prevalence and trend estimation from observational data with highly variable post-stratification weights. <i>Annals of Applied Statistics</i> , 2016, 10, .	0.5	3
152	12 Weeks of Combined Endurance and Resistance Training Reduces Innate Markers of Inflammation in a Randomized Controlled Clinical Trial in Patients with Multiple Sclerosis. <i>Mediators of Inflammation</i> , 2016, 2016, 1-13.	1.4	46
153	Prevalence of high-risk human papillomavirus and abnormal pap smears in female sex workers compared to the general population in Antwerp, Belgium. <i>BMC Public Health</i> , 2016, 16, 477.	1.2	14
154	Intracerebral transplantation of interleukin 13-producing mesenchymal stem cells limits microgliosis, oligodendrocyte loss and demyelination in the cuprizone mouse model. <i>Journal of Neuroinflammation</i> , 2016, 13, 288.	3.1	34
155	Pertussis vaccination during pregnancy in Belgium: Follow-up of infants until 1 month after the fourth infant pertussis vaccination at 15 months of age. <i>Vaccine</i> , 2016, 34, 3613-3619.	1.7	74
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