

Niel Hens

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8081774/publications.pdf>

Version: 2024-02-01

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	Social Contacts and Mixing Patterns Relevant to the Spread of Infectious Diseases. <i>PLoS Medicine</i> , 2008, 5, e74.	3.9	2,355
2	Estimating the generation interval for coronavirus disease (COVID-19) based on symptom onset data, March 2020. <i>Eurosurveillance</i> , 2020, 25, .	3.9	471
3	Differences in gut microbiota composition between obese and lean children: a cross-sectional study. <i>Gut Pathogens</i> , 2013, 5, 10.	1.6	351
4	Dynamic Epidemiological Models for Dengue Transmission: A Systematic Review of Structural Approaches. <i>PLoS ONE</i> , 2012, 7, e49085.	1.1	241
5	Early waning of maternal measles antibodies in era of measles elimination: longitudinal study. <i>BMJ: British Medical Journal</i> , 2010, 340, c1626-c1626.	2.4	212
6	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
7	Estimating the impact of school closure on social mixing behaviour and the transmission of close contact infections in eight European countries. <i>BMC Infectious Diseases</i> , 2009, 9, 187.	1.3	182
8	European Surveillance of Antimicrobial Consumption (ESAC): outpatient antibiotic use in Europe (1997-2009). <i>Journal of Antimicrobial Chemotherapy</i> , 2011, 66, vi3-vi12.	1.3	173
9	The French Connection: The First Large Population-Based Contact Survey in France Relevant for the Spread of Infectious Diseases. <i>PLoS ONE</i> , 2015, 10, e0133203.	1.1	165
10	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
11	Pertussis vaccination during pregnancy in Belgium: Results of a prospective controlled cohort study. <i>Vaccine</i> , 2016, 34, 142-150.	1.7	147
12	Medium-Term Effectiveness of a Comprehensive Internet-Based and Patient-Specific Telerehabilitation Program With Text Messaging Support for Cardiac Patients: Randomized Controlled Trial. <i>Journal of Medical Internet Research</i> , 2015, 17, e185.	2.1	140
13	Social Contact Patterns in Vietnam and Implications for the Control of Infectious Diseases. <i>PLoS ONE</i> , 2011, 6, e16965.	1.1	135
14	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
15	Parvovirus B19 infection in five European countries: seroepidemiology, force of infection and maternal risk of infection. <i>Epidemiology and Infection</i> , 2008, 136, 1059-1068.	1.0	109
16	Pertussis vaccination during pregnancy in Vietnam: Results of a randomized controlled trial Pertussis vaccination during pregnancy. <i>Vaccine</i> , 2016, 34, 151-159.	1.7	107
17	Seventy-five years of estimating the force of infection from current status data. <i>Epidemiology and Infection</i> , 2010, 138, 802-812.	1.0	100
18	The Impact of Illness on Social Networks: Implications for Transmission and Control of Influenza. <i>American Journal of Epidemiology</i> , 2013, 178, 1655-1662.	1.6	100

#	ARTICLE	IF	CITATIONS
19	Effect of comprehensive cardiac telerehabilitation on one-year cardiovascular rehospitalization rate, medical costs and quality of life: A cost-effectiveness analysis. <i>European Journal of Preventive Cardiology</i> , 2016, 23, 674-682.	0.8	99
20	Mining social mixing patterns for infectious disease models based on a two-day population survey in Belgium. <i>BMC Infectious Diseases</i> , 2009, 9, 5.	1.3	95
21	Efficacy of daily intake of <i>Lactobacillus casei</i> Shirota on respiratory symptoms and influenza vaccination immune response: a randomized, double-blind, placebo-controlled trial in healthy elderly nursing home residents. <i>American Journal of Clinical Nutrition</i> , 2012, 95, 1165-1171.	2.2	95
22	CoMix: comparing mixing patterns in the Belgian population during and after lockdown. <i>Scientific Reports</i> , 2020, 10, 21885.	1.6	91
23	Modeling Infectious Disease Parameters Based on Serological and Social Contact Data. <i>Statistics in the Health Sciences</i> , 2012, , .	0.2	90
24	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
25	The impact of contact tracing and household bubbles on deconfinement strategies for COVID-19. <i>Nature Communications</i> , 2021, 12, 1524.	5.8	87
26	Effect of a Prepregnancy Pertussis Booster Dose on Maternal Antibody Titers in Young Infants. <i>Pediatric Infectious Disease Journal</i> , 2011, 30, 608-610.	1.1	85
27	A Nice Day for an Infection? Weather Conditions and Social Contact Patterns Relevant to Influenza Transmission. <i>PLoS ONE</i> , 2012, 7, e48695.	1.1	83
28	Estimating Infectious Disease Parameters from Data on Social Contacts and Serological Status. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2010, 59, 255-277.	0.5	82
29	European Surveillance of Antimicrobial Consumption (ESAC): outpatient quinolone use in Europe (1997-2009). <i>Journal of Antimicrobial Chemotherapy</i> , 2011, 66, vi47-vi56.	1.3	81
30	A Household-Based Study of Contact Networks Relevant for the Spread of Infectious Diseases in the Highlands of Peru. <i>PLoS ONE</i> , 2015, 10, e0118457.	1.1	78
31	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
32	Calling for pan-European commitment for rapid and sustained reduction in SARS-CoV-2 infections. <i>Lancet</i> , The, 2021, 397, 92-93.	6.3	71
33	Kinetics of maternal antibodies against rubella and varicella in infants. <i>Vaccine</i> , 2011, 29, 2222-2226.	1.7	70
34	Using empirical social contact data to model person to person infectious disease transmission: An illustration for varicella. <i>Mathematical Biosciences</i> , 2009, 218, 80-87.	0.9	68
35	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
36	Living on Three Time Scales: The Dynamics of Plasma Cell and Antibody Populations Illustrated for Hepatitis A Virus. <i>PLoS Computational Biology</i> , 2012, 8, e1002418.	1.5	66

#	ARTICLE	IF	CITATIONS
37	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
38	Long-term antibody persistence after vaccination with a 2-dose Havrix [®] , [†] (inactivated hepatitis A) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	1.7	65
39	Evaluating audio computer assisted self-interviews in urban south African communities: evidence for good suitability and reduced social desirability bias of a cross-sectional survey on sexual behaviour. <i>BMC Medical Research Methodology</i> , 2013, 13, 11.	1.4	63
40	Infant vaccination coverage in 2005 and predictive factors for complete or valid vaccination in Flanders, Belgium: an EPI-survey. <i>Vaccine</i> , 2007, 25, 4940-4948.	1.7	62
41	Modelling the impact of local reactive school closures on critical care provision during an influenza pandemic. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 2753-2760.	1.2	62
42	Model based estimates of long-term persistence of inactivated hepatitis A vaccine-induced antibodies in adults. <i>Vaccine</i> , 2014, 32, 1507-1513.	1.7	62
43	Timeliness of infant vaccination and factors related with delay in Flanders, Belgium. <i>Vaccine</i> , 2014, 32, 284-289.	1.7	62
44	The Effect of Maternal Pertussis Immunization on Infant Vaccine Responses to a Booster Pertussis-Containing Vaccine in Vietnam. <i>Clinical Infectious Diseases</i> , 2016, 63, S197-S204.	2.9	60
45	Classification trees versus multinomial models in the analysis of urban farming systems in Central Africa. <i>Agricultural Systems</i> , 2004, 80, 133-149.	3.2	59
46	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
47	Model selection for incomplete and design-based samples. <i>Statistics in Medicine</i> , 2006, 25, 2502-2520.	0.8	56
48	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
49	Determinants of between-country differences in ambulatory antibiotic use and antibiotic resistance in Europe: a longitudinal observational study. <i>Journal of Antimicrobial Chemotherapy</i> , 2014, 69, 535-547.	1.3	54
50	The nature of sensitivity in monotone missing not at random models. <i>Computational Statistics and Data Analysis</i> , 2006, 50, 830-858.	0.7	53
51	Interleukin-13 immune gene therapy prevents CNS inflammation and demyelination via alternative activation of microglia and macrophages. <i>Glia</i> , 2016, 64, 2181-2200.	2.5	53
52	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
53	Authors'™ response: Estimating the generation interval for COVID-19 based on symptom onset data. <i>Eurosurveillance</i> , 2020, 25, .	3.9	52
54	Are we hitting immunity targets? The 2006 age-specific seroprevalence of measles, mumps, rubella, diphtheria and tetanus in Belgium. <i>Epidemiology and Infection</i> , 2011, 139, 494-504.	1.0	48

#	ARTICLE	IF	CITATIONS
55	Appropriate international measures for outpatient antibiotic prescribing and consumption: recommendations from a national data comparison of different measures. <i>Journal of Antimicrobial Chemotherapy</i> , 2014, 69, 529-534.	1.3	47
56	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
57	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
58	Estimating the Incidence of Symptomatic Rotavirus Infections: A Systematic Review and Meta-Analysis. <i>PLoS ONE</i> , 2009, 4, e6060.	1.1	46
59	Human Papillomavirus 16 Load and E2/E6 Ratio in HPV16-Positive Women: Biomarkers for Cervical Intraepithelial Neoplasia ≥ 2 in a Liquid-Based Cytology Setting?. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2009, 18, 2992-2999.	1.1	46
60	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.	1.5	46
61	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
62	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
63	Robust Reconstruction and Analysis of Outbreak Data: Influenza A(H1N1)v Transmission in a School-based Population. <i>American Journal of Epidemiology</i> , 2012, 176, 196-203.	1.6	43
64	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
65	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
66	A simple periodic-forced model for dengue fitted to incidence data in Singapore. <i>Mathematical Biosciences</i> , 2013, 244, 22-28.	0.9	40
67	Consumption of antibiotics in the community, European Union/European Economic Area, 1997-2017. <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 76, ii7-ii13.	1.3	40
68	Different transmission patterns in the early stages of the influenza A(H1N1)v pandemic: A comparative analysis of 12 European countries. <i>Epidemics</i> , 2011, 3, 125-133.	1.5	38
69	Eight Years of the Great Influenza Survey to Monitor Influenza-Like Illness in Flanders. <i>PLoS ONE</i> , 2013, 8, e64156.	1.1	38
70	Estimating Time of Infection Using Prior Serological and Individual Information Can Greatly Improve Incidence Estimation of Human and Wildlife Infections. <i>PLoS Computational Biology</i> , 2016, 12, e1004882.	1.5	38
71	Quantitative and phenotypic analysis of mesenchymal stromal cell graft survival and recognition by microglia and astrocytes in mouse brain. <i>Immunobiology</i> , 2013, 218, 696-705.	0.8	37
72	OutbreakTools: A new platform for disease outbreak analysis using the R software. <i>Epidemics</i> , 2014, 7, 28-34.	1.5	37

#	ARTICLE	IF	CITATIONS
73	Exploring the association between resistance and outpatient antibiotic use expressed as DDDs or packages. <i>Journal of Antimicrobial Chemotherapy</i> , 2015, 70, 1241-1244.	1.3	37
74	Cell Type-Associated Differences in Migration, Survival, and Immunogenicity following Grafting in CNS Tissue. <i>Cell Transplantation</i> , 2012, 21, 1867-1881.	1.2	36
75	On the estimation of the reproduction number based on misreported epidemic data. <i>Statistics in Medicine</i> , 2014, 33, 1176-1192.	0.8	35
76	Measuring trends of outpatient antibiotic use in Europe: jointly modelling longitudinal data in defined daily doses and packages. <i>Journal of Antimicrobial Chemotherapy</i> , 2014, 69, 1981-1986.	1.3	35
77	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
78	Local multiple imputation. <i>Biometrika</i> , 2002, 89, 375-388.	1.3	34
79	European Surveillance of Antimicrobial Consumption (ESAC): outpatient cephalosporin use in Europe (1997-2009). <i>Journal of Antimicrobial Chemotherapy</i> , 2011, 66, vi25-vi35.	1.3	34
80	Contribution of respiratory pathogens to influenza-like illness consultations. <i>Epidemiology and Infection</i> , 2013, 141, 2196-2204.	1.0	34
81	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
82	Immunogenicity and persistence of trivalent measles, mumps, and rubella vaccines: a systematic review and meta-analysis. <i>Lancet Infectious Diseases</i> , The, 2021, 21, 286-295.	4.6	34
83	Consumption of quinolones in the community, European Union/European Economic Area, 1997-2017. <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 76, ii37-ii44.	1.3	34
84	A cross-sectional seroepidemiological survey of typhoid fever in Fiji. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005786.	1.3	34
85	Exploring the Impact of Exposure to Primary Varicella in Children on Varicella-Zoster Virus Immunity of Parents. <i>Viral Immunology</i> , 2011, 24, 151-157.	0.6	32
86	European Surveillance of Antimicrobial Consumption (ESAC): outpatient macrolide, lincosamide and streptogramin (MLS) use in Europe (1997-2009). <i>Journal of Antimicrobial Chemotherapy</i> , 2011, 66, vi37-vi45.	1.3	32
87	Spatiotemporal Evolution of Ebola Virus Disease at Sub-National Level during the 2014 West Africa Epidemic: Model Scrutiny and Data Meagreness. <i>PLoS ONE</i> , 2016, 11, e0147172.	1.1	32
88	Generalized shared-parameter models and missingness at random. <i>Statistical Modelling</i> , 2011, 11, 279-310.	0.5	31
89	Estimating the effective reproduction number for pandemic influenza from notification data made publicly available in real time: A multi-country analysis for influenza A/H1N1v 2009. <i>Vaccine</i> , 2011, 29, 896-904.	1.7	31
90	European Surveillance of Antimicrobial Consumption (ESAC): outpatient use of tetracyclines, sulphonamides and trimethoprim, and other antibacterials in Europe (1997-2009). <i>Journal of Antimicrobial Chemotherapy</i> , 2011, 66, vi57-vi70.	1.3	31

#	ARTICLE	IF	CITATIONS
91	Antimicrobial Drug Use and Macrolide-Resistant <i>Streptococcus pyogenes</i> , Belgium. <i>Emerging Infectious Diseases</i> , 2012, 18, 1515-1518.	2.0	31
92	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
93	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
94	Like mother, like daughter? Mother's history of cervical cancer screening and daughter's Human Papillomavirus vaccine uptake in Flanders (Belgium). <i>Vaccine</i> , 2011, 29, 8390-8396.	1.7	30
95	Distinct spatial distribution of microglia and macrophages following mesenchymal stem cell implantation in mouse brain. <i>Immunology and Cell Biology</i> , 2014, 92, 650-658.	1.0	30
96	Model-based inference for small area estimation with sampling weights. <i>Spatial Statistics</i> , 2016, 18, 455-473.	0.9	30
97	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
98	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
99	A Sensitivity Analysis for Shared-Parameter Models for Incomplete Longitudinal Outcomes. <i>Biometrical Journal</i> , 2010, 52, 111-125.	0.6	29
100	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
101	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
102	Model structure analysis to estimate basic immunological processes and maternal risk for parvovirus B19. <i>Biostatistics</i> , 2011, 12, 283-302.	0.9	28
103	Analysing the composition of outpatient antibiotic use: a tutorial on compositional data analysis. <i>Journal of Antimicrobial Chemotherapy</i> , 2011, 66, vi89-vi94.	1.3	28
104	Surgical Masks Reduce Airborne Spread of <i>Pseudomonas aeruginosa</i> in Colonized Patients with Cystic Fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015, 192, 897-899.	2.5	28
105	Multidisciplinary study of the secondary immune response in grandparents re-exposed to chickenpox. <i>Scientific Reports</i> , 2017, 7, 1077.	1.6	28
106	Resurgence risk for measles, mumps and rubella in France in 2018 and 2020. <i>Eurosurveillance</i> , 2018, 23, .	3.9	28
107	Integrating between-host transmission and within-host immunity to analyze the impact of varicella vaccination on zoster. <i>ELife</i> , 2015, 4, .	2.8	28
108	European Surveillance of Antimicrobial Consumption (ESAC): outpatient penicillin use in Europe (1997-2009). <i>Journal of Antimicrobial Chemotherapy</i> , 2011, 66, vi13-vi23.	1.3	27

#	ARTICLE	IF	CITATIONS
109	Kicking against the pricks: vaccine sceptics have a different social orientation. <i>European Journal of Public Health</i> , 2014, 24, 310-314.	0.1	27
110	The social contact hypothesis under the assumption of endemic equilibrium: Elucidating the transmission potential of VZV in Europe. <i>Epidemics</i> , 2015, 11, 14-23.	1.5	27
111	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
112	The correlated and shared gamma frailty model for bivariate current status data: An illustration for cross-sectional serological data. <i>Statistics in Medicine</i> , 2009, 28, 2785-2800.	0.8	26
113	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
114	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
115	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
116	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
117	Assessing the risk of measles resurgence in a highly vaccinated population: Belgium anno 2013. <i>Eurosurveillance</i> , 2015, 20, .	3.9	25
118	Application of mixed-effects models to study the country-specific outpatient antibiotic use in Europe: a tutorial on longitudinal data analysis. <i>Journal of Antimicrobial Chemotherapy</i> , 2011, 66, vi79-vi87.	1.3	24
119	Patient and prescriber determinants for the choice between amoxicillin and broader-spectrum antibiotics: a nationwide prescription-level analysis. <i>Journal of Antimicrobial Chemotherapy</i> , 2013, 68, 2383-2392.	1.3	24
120	Determinants of generalized herpes simplex virus-2 epidemics: the role of sexual partner concurrency. <i>International Journal of STD and AIDS</i> , 2013, 24, 375-382.	0.5	24
121	Active Learning to Understand Infectious Disease Models and Improve Policy Making. <i>PLoS Computational Biology</i> , 2014, 10, e1003563.	1.5	24
122	Serology indicates cytomegalovirus infection is associated with varicella–zoster virus reactivation. <i>Journal of Medical Virology</i> , 2014, 86, 812-819.	2.5	24
123	Rotavirus vaccination coverage and adherence to recommended age among infants in Flanders (Belgium) in 2012. <i>Eurosurveillance</i> , 2014, 19, .	3.9	24
124	Dynamics of HPV vaccination initiation in Flanders (Belgium) 2007-2009: a Cox regression model. <i>BMC Public Health</i> , 2011, 11, 470.	1.2	23
125	Estimating the population prevalence and force of infection directly from antibody titres. <i>Statistical Modelling</i> , 2012, 12, 441-462.	0.5	23
126	Cost-effectiveness of vaccination against herpes zoster in adults aged over 60 years in Belgium. <i>Vaccine</i> , 2012, 30, 675-684.	1.7	23

#	ARTICLE	IF	CITATIONS
127	Assessing Mumps Outbreak Risk in Highly Vaccinated Populations Using Spatial Seroprevalence Data. <i>American Journal of Epidemiology</i> , 2014, 179, 1006-1017.	1.6	23
128	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
129	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
130	Estimating the age-specific duration of herpes zoster vaccine protection: A matter of model choice?. <i>Vaccine</i> , 2012, 30, 2795-2800.	1.7	22
131	Belgian population norms for the EQ-5D-5L, 2018. <i>Quality of Life Research</i> , 2022, 31, 527-537.	1.5	22
132	Age differences between sexual partners, behavioural and demographic correlates, and HIV infection on Likoma Island, Malawi. <i>Scientific Reports</i> , 2016, 6, 36121.	1.6	21
133	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
134	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
135	Cuprizone-induced demyelination and demyelination-associated inflammation result in different proton magnetic resonance metabolite spectra. <i>NMR in Biomedicine</i> , 2015, 28, 505-513.	1.6	20
136	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
137	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
138	Face masks in the post-COVID-19 era: a silver lining for the damaged tuberculosis public health response?. <i>Lancet Respiratory Medicine</i> , 2021, 9, 340-342.	5.2	20
139	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
140	A mathematical model for HIV and hepatitis C co-infection and its assessment from a statistical perspective. <i>Epidemics</i> , 2013, 5, 56-66.	1.5	19
141	Early Inflammatory Responses following Cell Grafting in the CNS Trigger Activation of the Subventricular Zone: A Proposed Model of Sequential Cellular Events. <i>Cell Transplantation</i> , 2015, 24, 1481-1492.	1.2	19
142	Effect of Prepregnancy Pertussis Vaccination in Young Infants. <i>Journal of Infectious Diseases</i> , 2017, 215, 1855-1861.	1.9	19
143	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
144	Memory CD4+ T cell receptor repertoire data mining as a tool for identifying cytomegalovirus serostatus. <i>Genes and Immunity</i> , 2019, 20, 255-260.	2.2	19

#	ARTICLE	IF	CITATIONS
145	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
146	Respiratory syncytial virus and influenza virus infection in adult primary care patients: Association of age with prevalence, diagnostic features and illness course. <i>International Journal of Infectious Diseases</i> , 2020, 95, 384-390.	1.5	19
147	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
148	Coital frequency and condom use in monogamous and concurrent sexual relationships in Cape Town, South Africa. <i>Journal of the International AIDS Society</i> , 2013, 16, 18034.	1.2	18
149	Partner-concurrency associated with herpes simplex virus 2 infection in young South Africans. <i>International Journal of STD and AIDS</i> , 2013, 24, 804-812.	0.5	18
150	Modelling multisera data: The estimation of new joint and conditional epidemiological parameters. <i>Statistics in Medicine</i> , 2008, 27, 2651-2664.	0.8	17
151	Maternal mumps antibodies in a cohort of children up to the age of 1 year. <i>European Journal of Pediatrics</i> , 2012, 171, 1167-1173.	1.3	17
152	From non school-based, co-payment to school-based, free Human Papillomavirus vaccination in Flanders (Belgium): A retrospective cohort study describing vaccination coverage, age-specific coverage and socio-economic inequalities. <i>Vaccine</i> , 2015, 33, 5188-5195.	1.7	17
153	Optimizing agent-based transmission models for infectious diseases. <i>BMC Bioinformatics</i> , 2015, 16, 183.	1.2	17
154	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
155	Quantifying superspreading for COVID-19 using Poisson mixture distributions. <i>Scientific Reports</i> , 2021, 11, 14107.	1.6	17
156	Consumption of tetracyclines, sulphonamides and trimethoprim, and other antibacterials in the community, European Union/European Economic Area, 1997–2017. <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 76, ii45-ii59.	1.3	17
157	Consumption of penicillins in the community, European Union/European Economic Area, 1997–2017. <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 76, ii14-ii21.	1.3	17
158	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
159	Imputing QALYs from Single Time Point Health State Descriptions on the EQ-5D and the SF-6D: A Comparison of Methods for Hepatitis A Patients. <i>Value in Health</i> , 2011, 14, 282-290.	0.1	16
160	Cost-effectiveness of seasonal influenza vaccination in pregnant women, health care workers and persons with underlying illnesses in Belgium. <i>Vaccine</i> , 2014, 32, 6075-6083.	1.7	16
161	Data-driven methods for imputing national-level incidence in global burden of disease studies. <i>Bulletin of the World Health Organization</i> , 2015, 93, 228-236.	1.5	16
162	Consumption of macrolides, lincosamides and streptogramins in the community, European Union/European Economic Area, 1997–2017. <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 76, ii30-ii36.	1.3	16

#	ARTICLE	IF	CITATIONS
163	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
164	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
165	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
166	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
167	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
168	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
169	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
170	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
171	A nonparametric approach to weighted estimating equations for regression analysis with missing covariates. <i>Computational Statistics and Data Analysis</i> , 2012, 56, 100-113.	0.7	13
172	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.	1.1	13
173	The impact of non-financial and financial encouragements on participation in non school-based human papillomavirus vaccination: a retrospective cohort study. <i>European Journal of Health Economics</i> , 2016, 17, 305-315.	1.4	13
174	Workplace influenza vaccination to reduce employee absenteeism: An economic analysis from the employersâ€™ perspective. <i>Vaccine</i> , 2021, 39, 2005-2015.	1.7	13
175	The effect of apoptotic cells on virus-specific immune responses detected using IFN-gamma ELISPOT. <i>Journal of Immunological Methods</i> , 2010, 357, 51-54.	0.6	12
176	Public preferences over efficiency, equity and autonomy in vaccination policy: An empirical study. <i>Social Science and Medicine</i> , 2013, 77, 84-89.	1.8	12
177	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
178	Screening for hepatitis C at the emergency department: Should babyboomers also be screened in Belgium?. <i>Liver International</i> , 2019, 39, 667-675.	1.9	12
179	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
180	Capture-Recapture Estimators in Epidemiology with Applications to Pertussis and Pneumococcal Invasive Disease Surveillance. <i>PLoS ONE</i> , 2016, 11, e0159832.	1.1	12

#	ARTICLE	IF	CITATIONS
181	Estimating herd-specific force of infection by using random-effects models for clustered binary data and monotone fractional polynomials. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2006, 55, 595-613.	0.5	11
182	Estimating the impact of vaccination using age- α time-dependent incidence rates of hepatitis B. <i>Epidemiology and Infection</i> , 2008, 136, 341-351.	1.0	11
183	Common attitudes about concomitant vaccine injections for infants and adolescents in Flanders, Belgium. <i>Vaccine</i> , 2009, 27, 1964-1969.	1.7	11
184	Age-disparity, sexual connectedness and HIV infection in disadvantaged communities around Cape Town, South Africa: a study protocol. <i>BMC Public Health</i> , 2011, 11, 616.	1.2	11
185	Estimating the force of infection for HCV in injecting drug users using interval-censored data. <i>Epidemiology and Infection</i> , 2012, 140, 1064-1074.	1.0	11
186	Community-acquired pneumonia (CAP) hospitalizations and deaths: is there a role for quality improvement through inter-hospital comparisons?. <i>International Journal for Quality in Health Care</i> , 2016, 28, 22-32.	0.9	11
187	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
188	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
189	Kernel weighted influence measures. <i>Computational Statistics and Data Analysis</i> , 2005, 48, 467-487.	0.7	10
190	Modeling individual heterogeneity in the acquisition of recurrent infections: an application to parvovirus B19. <i>Biostatistics</i> , 2015, 16, 129-142.	0.9	10
191	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
192	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
193	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
194	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
195	Deep Reinforcement Learning for Large-Scale Epidemic Control. <i>Lecture Notes in Computer Science</i> , 2021, , 155-170.	1.0	10
196	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
197	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
198	Data mining for longitudinal data under multicollinearity and time dependence using penalized generalized estimating equations. <i>Computational Statistics and Data Analysis</i> , 2014, 71, 667-680.	0.7	9

#	ARTICLE	IF	CITATIONS
199	Cytomegalovirus seropositivity is associated with herpes zoster. <i>Human Vaccines and Immunotherapeutics</i> , 2015, 11, 1394-1399.	1.4	9
200	A bimodal flexible distribution for lifetime data. <i>Journal of Statistical Computation and Simulation</i> , 2016, 86, 2450-2470.	0.7	9
201	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
202	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
203	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
204	CAREGIVERS' WILLINGNESS TO PAY TO REDUCE THE NUMBER OF VACCINE INJECTIONS IN INFANTS. <i>Pediatric Infectious Disease Journal</i> , 2009, 28, 61-63.	1.1	8
205	A penalized likelihood approach to estimate within-household contact networks from egocentric data. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2013, 62, 629-648.	0.5	8
206	Estimating Vaccine Coverage from Serial Trivariate Serologic Data in the Presence of Waning Immunity. <i>Epidemiology</i> , 2015, 26, 381-389.	1.2	8
207	Rapid Exercise-Induced Mobilization of Dendritic Cells Is Potentially Mediated by a Flt3L- and MMP-9-Dependent Process in Multiple Sclerosis. <i>Mediators of Inflammation</i> , 2015, 2015, 1-10.	1.4	8
208	Inferring rubella outbreak risk from seroprevalence data in Belgium. <i>Vaccine</i> , 2016, 34, 6187-6192.	1.7	8
209	A flexible method to model HIV serodiscordance among couples in Mozambique. <i>PLoS ONE</i> , 2017, 12, e0172959.	1.1	8
210	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
211	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
212	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
213	Can Reactive School Closures help critical care provision during the current influenza pandemic?. <i>PLOS Currents</i> , 2009, 1, RRN1119.	1.4	8
214	A linear mixed model to estimate COVID-19 induced excess mortality. <i>Biometrics</i> , 2023, 79, 417-425.	0.8	8
215	Laplacian splines for Bayesian inference in the mixture cure model. <i>Statistics in Medicine</i> , 2022, 41, 2602-2626.	0.8	8
216	Modeling heterogeneity for count data: A study of maternal mortality in health facilities in Mozambique. <i>Biometrical Journal</i> , 2013, 55, 647-660.	0.6	7

#	ARTICLE	IF	CITATIONS
217	A systematic review and meta-regression analysis of mivacurium for tracheal intubation. <i>Anaesthesia</i> , 2014, 69, 1377-1387.	1.8	7
218	The Belgian policy of funding antimicrobial stewardship in hospitals and trends of selected quality indicators for antimicrobial use, 1999-2010: a longitudinal study. <i>BMJ Open</i> , 2015, 5, e006916-e006916.	0.8	7
219	Concurrent partnerships in Cape Town, South Africa: race and sex differences in prevalence and duration of overlap. <i>Journal of the International AIDS Society</i> , 2015, 18, 19372.	1.2	7
220	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
221	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
222	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
223	Measuring association among censored antibody titer data. <i>Statistics in Medicine</i> , 2021, 40, 3740-3761.	0.8	7
224	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
225	Histological Characterization and Quantification of Cellular Events Following Neural and Fibroblast(-Like) Stem Cell Grafting in Healthy and Demyelinated CNS Tissue. <i>Methods in Molecular Biology</i> , 2014, 1213, 265-283.	0.4	7
226	Controlling SARS-CoV-2 in schools using repetitive testing strategies. <i>ELife</i> , 0, 11, .	2.8	7
227	Distinct In Vitro Properties of Embryonic and Extraembryonic Fibroblast-Like Cells are Reflected in their in Vivo Behavior following Grafting in the Adult Mouse Brain. <i>Cell Transplantation</i> , 2015, 24, 223-233.	1.2	6
228	HIV Susceptibility Among Migrant Miners in Chokwe. <i>International Journal of Health Services</i> , 2016, 46, 712-733.	1.2	6
229	Heterogeneous computing for epidemiological model fitting and simulation. <i>BMC Bioinformatics</i> , 2018, 19, 101.	1.2	6
230	A flexible semiparametric regression model for bimodal, asymmetric and censored data. <i>Journal of Applied Statistics</i> , 2018, 45, 1303-1324.	0.6	6
231	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
232	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
233	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
234	Impact of Maternal Pertussis Antibodies on the Infants' Cellular Immune Responses. <i>Clinical Infectious Diseases</i> , 2022, 75, 442-452.	2.9	6

#	ARTICLE	IF	CITATIONS
235	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
236	Modelling distortions in seroprevalence data using change-point fractional polynomials. <i>Statistical Modelling</i> , 2010, 10, 159-175.	0.5	5
237	Estimating vaccination coverage for the trivalent measles-mumps-rubella vaccine from trivariate serological data. <i>Statistics in Medicine</i> , 2012, 31, 1432-1449.	0.8	5
238	Adaptive change-point mixed models applied to data on outpatient tetracycline use in Europe. <i>Statistical Modelling</i> , 2013, 13, 253-274.	0.5	5
239	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
240	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
241	Handling missingness when modeling the force of infection from clustered seroprevalence data. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2007, 12, 498-513.	0.7	4
242	Creating a robust framework for the analysis of cryopreserved samples in quantitative immunological experiments. <i>Journal of Immunological Methods</i> , 2013, 392, 63-67.	0.6	4
243	Evolutions in Both Co-Payment and Generic Market Share for Common Medication in the Belgian Reference Pricing System. <i>Applied Health Economics and Health Policy</i> , 2013, 11, 543-552.	1.0	4
244	Comment on: Measurement units for antibiotic consumption in outpatients. <i>Journal of Antimicrobial Chemotherapy</i> , 2014, 69, 3445-3446.	1.3	4
245	A dynamic dosimetry model for radioactive exposure scenarios in <i>Arabidopsis thaliana</i> . <i>Journal of Theoretical Biology</i> , 2014, 347, 54-62.	0.8	4
246	Multi-disease analysis of maternal antibody decay using non-linear mixed models accounting for censoring. <i>Statistics in Medicine</i> , 2015, 34, 2858-2871.	0.8	4
247	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
248	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
249	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
250	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
251	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
252	Stable HEV IgG seroprevalence in Belgium between 2006 and 2014. <i>Journal of Viral Hepatitis</i> , 2020, 27, 1253-1260.	1.0	4

#	ARTICLE	IF	CITATIONS
253	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
254	Joint Modeling of HCV and HIV Infections among Injecting Drug Users in Italy Using Repeated Cross-Sectional Prevalence Data. <i>Statistical Communications in Infectious Diseases</i> , 2011, 3, .	0.2	3
255	P3.065...Partner-Concurrency Associated with HSV-2 Infection in Young South Africans. <i>Sexually Transmitted Infections</i> , 2013, 89, A168.3-A168.	0.8	3
256	Prevalence and trend estimation from observational data with highly variable post-stratification weights. <i>Annals of Applied Statistics</i> , 2016, 10, .	0.5	3
257	Simulation-based evaluation of the performance of the F -test in a linear multilevel model setting with sparseness at the level of the primary unit. <i>Biometrical Journal</i> , 2016, 58, 1054-1070.	0.6	3
258	Estimating the spatial covariance structure using the ge additive model. <i>Environmental and Ecological Statistics</i> , 2017, 24, 341-361.	1.9	3
259	Parametric Overdispersed Frailty Models for Current Status Data. <i>Biometrics</i> , 2017, 73, 1388-1400.	0.8	3
260	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
261	Estimating age-time-dependent malaria force of infection accounting for unobserved heterogeneity. <i>Epidemiology and Infection</i> , 2017, 145, 2545-2562.	1.0	3
262	Persistence of antimicrobial resistance in respiratory streptococci. <i>Journal of Global Antimicrobial Resistance</i> , 2017, 8, 6-12.	0.9	3
263	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
264	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
265	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
266	Plasmodium vivax morbidity after radical cure: A cohort study in Central Vietnam. <i>PLoS Medicine</i> , 2019, 16, e1002784.	3.9	3
267	Correlated gamma frailty models for bivariate survival time data. <i>Statistical Methods in Medical Research</i> , 2019, 28, 3437-3450.	0.7	3
268	Comparison of two simulators for individual based models in HIV epidemiology in a population with HSV 2 in Yaoundé (Cameroon). <i>Scientific Reports</i> , 2021, 11, 14696.	1.6	3
269	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
270	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. <i>Lecture Notes in Computer Science</i> , 2020, , 385-398.	1.0	3

#	ARTICLE	IF	CITATIONS
271	Model selection in regression based on pre-smoothing. <i>Journal of Applied Statistics</i> , 2010, 37, 1455-1472.	0.6	2
272	European Surveillance of Antimicrobial Consumption (ESAC): outpatient cephalosporin use in Europe (1997-2009). <i>Journal of Antimicrobial Chemotherapy</i> , 2012, 67, 518-518.	1.3	2
273	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
274	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
275	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
276	Optimising the case-crossover design for use in shared exposure settings. <i>Epidemiology and Infection</i> , 2020, 148, e151.	1.0	2
277	Sampling Site Matters When Counting Lymphocyte Subpopulations. <i>PLoS ONE</i> , 2012, 7, e41405.	1.1	2
278	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
279	Cost-effectiveness of varicella and zoster vaccination in England&Wales: importance measures for correlated parameters. <i>Procedia, Social and Behavioral Sciences</i> , 2010, 2, 7611-7612.	0.5	1
280	Intradermal zoster vaccines: good for the old and the young?. <i>Lancet Infectious Diseases</i> , The, 2016, 16, 869-871.	4.6	1
281	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
282	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
283	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
284	High susceptibility to cytomegalovirus infection of pregnant women in Flanders, Belgium. <i>Facts, Views & Vision in ObGyn</i> , 2012, 4, 76-81.	0.5	1
285	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
286	Identifying immunity gaps for measles using Belgian serial serology data. <i>Vaccine</i> , 2022, 40, 3676-3683.	1.7	1
287	Revealing age-specific past and future unrelated costs of pneumococcal infections by flexible generalized estimating equations. <i>Journal of Applied Statistics</i> , 2011, 38, 1533-1547.	0.6	0
288	Joint Modeling of HCV and HIV Co-Infection among Injecting Drug Users in Italy and Spain Using Individual Cross-Sectional Data. <i>Statistical Communications in Infectious Diseases</i> , 2011, 3, .	0.2	0

#	ARTICLE	IF	CITATIONS
289	Evolutions in both co-payment and generic market share for common medication in the Belgian reference pricing system. <i>European Journal of Public Health</i> , 2013, 23, .	0.1	0
290	P14.06â€¦A characterisation of concurrent partnerships in cape town, south africa. <i>Sexually Transmitted Infections</i> , 2015, 91, A200.1-A200.	0.8	0
291	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
292	A8â€¦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
293	Improving ODE Integration on Graphics Processing Units by Reducing Thread Divergence. <i>Lecture Notes in Computer Science</i> , 2019, , 450-456.	1.0	0
294	TO009THE 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
295	Call for a pan-European COVID-19 response must be comprehensive â€œ Authors' reply. <i>Lancet, The</i> , 2021, 397, 1541.	6.3	0
296	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
297	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
298	Title is missing!. , 2020, 15, e0234740.		0
299	Title is missing!. , 2020, 15, e0234740.		0
300	Title is missing!. , 2020, 15, e0234740.		0
301	Title is missing!. , 2020, 15, e0234740.		0
302	Title is missing!. , 2020, 15, e0241033.		0
303	Title is missing!. , 2020, 15, e0241033.		0
304	Title is missing!. , 2020, 15, e0241033.		0
305	Title is missing!. , 2020, 15, e0241033.		0
306	Title is missing!. , 2020, 15, e0241033.		0

#	ARTICLE	IF	CITATIONS
307	Title is missing!. , 2020, 15, e0241033.		0
308	Title is missing!. , 2020, 15, e0241033.		0
309	Title is missing!. , 2020, 15, e0241033.		0