Pierre Nouvellet

List of Publications by Year
in descending order

69 papers	8,587 citations	101543 36 h-index	110387 64 g-index
82 all docs	82 docs citations	82 times ranked	14237 citing authors

#	Article	IF	Citations
1	Spatiotemporal variations in exposure: Chagas disease in Colombia as a case study. BMC Medical Research Methodology, 2022, 22, 13.	3.1	2
2	Real-time estimation of the epidemic reproduction number: Scoping review of the applications and challenges. , 2022, 1, e0000052.		15
3	Database of epidemic trends and control measures during the first wave of COVID-19 in mainland China. International Journal of Infectious Diseases, 2021, 102, 463-471.	3.3	12
4	Reduction in mobility and COVID-19 transmission. Nature Communications, 2021, 12, 1090.	12.8	394
5	Using digital surveillance tools for near real-time mapping of the risk of infectious disease spread. Npj Digital Medicine, 2021, 4, 73.	10.9	23
6	Descriptive analysis of surveillance data for Zika virus disease and Zika virus-associated neurological complications in Colombia, 2015â€"2017. PLoS ONE, 2021, 16, e0252236.	2.5	6
7	Using syndromic measures of mortality to capture the dynamics of COVID-19 in Java, Indonesia, in the context of vaccination rollout. BMC Medicine, 2021, 19, 146.	5.5	7
8	Modelling the influence of naturally acquired immunity from subclinical infection on outbreak dynamics and persistence of rabies in domestic dogs. PLoS Neglected Tropical Diseases, 2021, 15, e0009581.	3.0	3
9	Spatial and temporal invasion dynamics of the 2014â€"2017 Zika and chikungunya epidemics in Colombia. PLoS Computational Biology, 2021, 17, e1009174.	3.2	5
10	Reservoir dynamics of rabies in southâ€east Tanzania and the roles of crossâ€species transmission and domestic dog vaccination. Journal of Applied Ecology, 2021, 58, 2673-2685.	4.0	10
11	Comparison of machine learning methods for estimating case fatality ratios: An Ebola outbreak simulation study. PLoS ONE, 2021, 16, e0257005.	2.5	1
12	Data journalism and the COVID-19 pandemic: opportunities and challenges. The Lancet Digital Health, 2021, 3, e619-e621.	12.3	16
13	Case Fatality Ratio Estimates for the 2013â€"2016 West African Ebola Epidemic: Application of Boosted Regression Trees for Imputation. Clinical Infectious Diseases, 2020, 70, 2476-2483.	5.8	21
14	State-level tracking of COVID-19 in the United States. Nature Communications, 2020, 11, 6189.	12.8	104
15	Suppression of a SARS-CoV-2 outbreak in the Italian municipality of Voâ€™. Nature, 2020, 584, 425-429.	27.8	872
16	Rabies as a Public Health Concern in Indiaâ€"A Historical Perspective. Tropical Medicine and Infectious Disease, 2020, 5, 162.	2.3	24
17	Response to COVID-19 in South Korea and implications for lifting stringent interventions. BMC Medicine, 2020, 18, 321.	5.5	137
18	SARS-CoV-2 infection prevalence on repatriation flights from Wuhan City, China. Journal of Travel Medicine, 2020, 27, .	3.0	5

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19	Comparison of molecular testing strategies for COVID-19 control: a mathematical modelling study. Lancet Infectious Diseases, The, 2020, 20, 1381-1389.	9.1	171
20	Distance is a barrier to recycling â€" or is it? Surprises from a clean test. Waste Management, 2020, 108, 183-188.	7.4	13
21	Spatiotemporal variability in case fatality ratios for the 2013â€"2016 Ebola epidemic in West Africa. International Journal of Infectious Diseases, 2020, 93, 48-55.	3.3	6
22	Rabies virus-neutralising antibodies in healthy, unvaccinated individuals: What do they mean for rabies epidemiology?. PLoS Neglected Tropical Diseases, 2020, 14, e0007933.	3.0	42
23	Estimating the effects of non-pharmaceutical interventions on COVID-19 in Europe. Nature, 2020, 584, 257-261.	27.8	2,558
24	Anonymised and aggregated crowd level mobility data from mobile phones suggests that initial compliance with COVID-19 social distancing interventions was high and geographically consistent across the UK. Wellcome Open Research, 2020, 5, 170.	1.8	58
25	Real-time Epidemic Forecasting: Challenges and Opportunities. Health Security, 2019, 17, 268-275.	1.8	83
26	Outbreak analytics: a developing data science for informing the response to emerging pathogens. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20180276.	4.0	118
27	Genetic and spatial characterization of the red fox (Vulpes vulpes) population in the area stretching between the Eastern and Dinaric Alps and its relationship with rabies and canine distemper dynamics. PLoS ONE, 2019, 14, e0213515.	2.5	16
28	Sub- or supercritical transmissibilities in a finite disease outbreak: Symmetry in outbreak properties of a disease conditioned on extinction. Journal of Theoretical Biology, 2019, 467, 80-86.	1.7	1
29	A simple approach to measure transmissibility and forecast incidence. Epidemics, 2018, 22, 29-35.	3.0	63
30	A graph-based evidence synthesis approach to detecting outbreak clusters: An application to dog rabies. PLoS Computational Biology, 2018, 14, e1006554.	3.2	33
31	Potential inconsistencies in Zika surveillance data and our understanding of risk during pregnancy. PLoS Neglected Tropical Diseases, 2018, 12, e0006991.	3.0	14
32	Outbreak of Ebola virus disease in the Democratic Republic of the Congo, Aprilâ€"May, 2018: an epidemiological study. Lancet, The, 2018, 392, 213-221.	13.7	93
33	Complementary Paths to Chagas Disease Elimination: The Impact of Combining Vector Control With Etiological Treatment. Clinical Infectious Diseases, 2018, 66, S293-S300.	5.8	20
34	Heterogeneities in the case fatality ratio in the West African Ebola outbreak 2013â€"2016. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160308.	4.0	83
35	Key data for outbreak evaluation: building on the Ebola experience. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160371.	4.0	70
36	How universal is coverage and access to diagnosis and treatment for Chagas disease in Colombia? A health systems analysis. Social Science and Medicine, 2017, 175, 187-198.	3.8	40

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37	Age matters in the UK's Brexit referendum. Significance, 2017, 14, 30-33.	0.4	6
38	Modelling historical changes in the force-of-infection of Chagas disease to inform control and elimination programmes: application in Colombia. BMJ Global Health, 2017, 2, e000345.	4.7	30
39	Revealing the Micro-scale Signature of Endemic Zoonotic Disease Transmission in an African Urban Setting. PLoS Pathogens, 2016, 12, e1005525.	4.7	65
40	Unraveling the drivers of MERS-CoV transmission. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9081-9086.	7.1	95
41	After Ebola in West Africa â€" Unpredictable Risks, Preventable Epidemics. New England Journal of Medicine, 2016, 375, 587-596.	27.0	216
42	Countering the Zika epidemic in Latin America. Science, 2016, 353, 353-354.	12.6	250
43	Increased mortality attributed to Chagas disease: a systematic review and meta-analysis. Parasites and Vectors, 2016, 9, 42.	2.5	75
44	Ebola Virus Disease among Male and Female Persons in West Africa. New England Journal of Medicine, 2016, 374, 96-98.	27.0	60
45	Exposure Patterns Driving Ebola Transmission in West Africa: A Retrospective Observational Study. PLoS Medicine, 2016, 13, e1002170.	8.4	72
46	Characterizing the dynamical accumulation of nuclear DNA in the sperm cells of Lycium barbarum L.. International Journal of Plant Biology, 2015, 6, .	2.6	0
47	The role of rapid diagnostics in managing Ebola epidemics. Nature, 2015, 528, S109-S116.	27.8	97
48	Ecology, Evolution and Control of Chagas Disease: A Century of Neglected Modelling and a Promising Future. Advances in Parasitology, 2015, 87, 135-191.	3.2	54
49	West African Ebola Epidemic after One Year â€" Slowing but Not Yet under Control. New England Journal of Medicine, 2015, 372, 584-587.	27.0	174
50	Ebola Virus Disease among Children in West Africa. New England Journal of Medicine, 2015, 372, 1274-1277.	27.0	118
51	Ebola Virus Disease in West Africa â€" The First 9 Months of the Epidemic and Forward Projections. New England Journal of Medicine, 2014, 371, 1481-1495.	27.0	1,367
52	Biased sexâ€ratio and sexâ€biased heterozygote disadvantage affect the maintenance of a genetic polymorphism and the properties of hybrid zones. Journal of Evolutionary Biology, 2013, 26, 1774-1783.	1.7	0
53	The Improbable Transmission of Trypanosoma cruzi to Human: The Missing Link in the Dynamics and Control of Chagas Disease. PLoS Neglected Tropical Diseases, 2013, 7, e2505.	3.0	66
54	Eco-Bio-Social Determinants for House Infestation by Non-domiciliated Triatoma dimidiata in the Yucatan Peninsula, Mexico. PLoS Neglected Tropical Diseases, 2013, 7, e2466.	3.0	68

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55	The contribution of badgers to confirmed tuberculosis in cattle in high-incidence areas in England. PLOS Currents, 2013, 5, .	1.4	45
56	Rabies and Canine Distemper Virus Epidemics in the Red Fox Population of Northern Italy (2006â€"2010). PLoS ONE, 2013, 8, e61588.	2.5	47
57	A Multi-Metric Approach to Investigate the Effects of Weather Conditions on the Demographic of a Terrestrial Mammal, the European Badger (Meles meles). PLoS ONE, 2013, 8, e68116.	2.5	31
58	Noisy clocks and silent sunrises: measurement methods of daily activity pattern. Journal of Zoology, 2012, 286, 179-184.	1.7	91
59	The influence of mean climate trends and climate variance on beaver survival and recruitment dynamics. Global Change Biology, 2012, 18, 2730-2742.	9.5	56
60	Mouthing off about developmental stress: Individuality of palate marking in the European badger and its relationship with juvenile parasitoses. Journal of Zoology, 2011, 283, 52-62.	1.7	2
61	Testing the level of ant activity associated with quorum sensing: An empirical approach leading to the establishment and test of a null-model (response to the comment of Richardson et al.). Journal of Theoretical Biology, 2011, 280, 191-193.	1.7	0
62	Effects of genetic factors and infection status on wing morphology of Triatoma dimidiata species complex in the YucatÃ¡n peninsula, Mexico. Infection, Genetics and Evolution, 2011, 11, 1243-1249.	2.3	41
63	Testing the level of ant activity associated with quorum sensing: An empirical approach leading to the establishment and test of a null-model. Journal of Theoretical Biology, 2010, 266, 573-583.	1.7	9
64	Are badgers â€˜*Under The Weather*â€™? Direct and indirect impacts of climate variation on European badger (*Meles meles*) population dynamics. Global Change Biology, 2010, 16, 2913-2922.	9.5	26
65	Fitness measures in selection analyses: sensitivity to the overall number of offspring produced in a lifetime. Journal of Evolutionary Biology, 2010, 23, 282-292.	1.7	11
66	Fundamental Insights into the Random Movement of Animals from a Single Distanceâ€Related Statistic. American Naturalist, 2009, 174, 506-514.	2.1	33
67	An Analysis of Eurasian Badger (Meles meles) Population Dynamics: Implications for Regulatory Mechanisms. Journal of Mammalogy, 2009, 90, 1392-1403.	1.3	62
68	Parameter-free testing of the shape of a probability distribution. BioSystems, 2007, 90, 509-515.	2.0	3
69	Intron Size and Exon Evolution in Drosophila. Genetics, 2005, 170, 481-485.	2.9	105