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	Estimating the effects of non-pharmaceutical interventions on COVID-19 in Europe. Nature, 2020, 584, 257-261.	27.8	2,558
2	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
3	Suppression of a SARS-CoV-2 outbreak in the Italian municipality of Voâ€™. Nature, 2020, 584, 425-429.	27.8	872
4	Reduction in mobility and COVID-19 transmission. Nature Communications, 2021, 12, 1090.	12.8	394
5	Countering the Zika epidemic in Latin America. Science, 2016, 353, 353-354.	12.6	250
6	After Ebola in West Africa â€" Unpredictable Risks, Preventable Epidemics. New England Journal of Medicine, 2016, 375, 587-596.	27.0	216
7	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
8	Comparison of molecular testing strategies for COVID-19 control: a mathematical modelling study. Lancet Infectious Diseases, The, 2020, 20, 1381-1389.	9.1	171
9	Response to COVID-19 in South Korea and implications for lifting stringent interventions. BMC Medicine, 2020, 18, 321.	5.5	137
10	Ebola Virus Disease among Children in West Africa. New England Journal of Medicine, 2015, 372, 1274-1277.	27.0	118
11	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
12	Intron Size and Exon Evolution in Drosophila. Genetics, 2005, 170, 481-485.	2.9	105
13	State-level tracking of COVID-19 in the United States. Nature Communications, 2020, 11, 6189.	12.8	104
14	The role of rapid diagnostics in managing Ebola epidemics. Nature, 2015, 528, S109-S116.	27.8	97
15	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
16	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
17	Noisy clocks and silent sunrises: measurement methods of daily activity pattern. Journal of Zoology, 2012, 286, 179-184.	1.7	91
18	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

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19	Real-time Epidemic Forecasting: Challenges and Opportunities. Health Security, 2019, 17, 268-275.	1.8	83
20	Increased mortality attributed to Chagas disease: a systematic review and meta-analysis. Parasites and Vectors, 2016, 9, 42.	2.5	75
21	Exposure Patterns Driving Ebola Transmission in West Africa: A Retrospective Observational Study. PLoS Medicine, 2016, 13, e1002170.	8.4	72
22	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
23	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
24	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
25	Revealing the Micro-scale Signature of Endemic Zoonotic Disease Transmission in an African Urban Setting. PLoS Pathogens, 2016, 12, e1005525.	4.7	65
26	A simple approach to measure transmissibility and forecast incidence. Epidemics, 2018, 22, 29-35.	3.0	63
27	An Analysis of Eurasian Badger (Meles meles) Population Dynamics: Implications for Regulatory Mechanisms. Journal of Mammalogy, 2009, 90, 1392-1403.	1.3	62
28	Ebola Virus Disease among Male and Female Persons in West Africa. New England Journal of Medicine, 2016, 374, 96-98.	27.0	60
29	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
30	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
31	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
32	Rabies and Canine Distemper Virus Epidemics in the Red Fox Population of Northern Italy (2006â€“2010). PLoS ONE, 2013, 8, e61588.	2.5	47
33	The contribution of badgers to confirmed tuberculosis in cattle in high-incidence areas in England. PLOS Currents, 2013, 5, .	1.4	45
34	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
35	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
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	Fundamental Insights into the Random Movement of Animals from a Single Distanceâ€Related Statistic. American Naturalist, 2009, 174, 506-514.	2.1	33
38	A graph-based evidence synthesis approach to detecting outbreak clusters: An application to dog rabies. PLoS Computational Biology, 2018, 14, e1006554.	3.2	33
39	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
40	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
41	Are badgers â€˜Under The Weatherâ€™? Direct and indirect impacts of climate variation on European badger (Meles meles) population dynamics. Global Change Biology, 2010, 16, 2913-2922.	9.5	26
42	Rabies as a Public Health Concern in Indiaâ€”A Historical Perspective. Tropical Medicine and Infectious Disease, 2020, 5, 162.	2.3	24
43	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
44	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
45	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
46	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
47	Data journalism and the COVID-19 pandemic: opportunities and challenges. The Lancet Digital Health, 2021, 3, e619-e621.	12.3	16
48	Real-time estimation of the epidemic reproduction number: Scoping review of the applications and challenges. , 2022, 1, e0000052.		15
49	Potential inconsistencies in Zika surveillance data and our understanding of risk during pregnancy. PLoS Neglected Tropical Diseases, 2018, 12, e0006991.	3.0	14
50	Distance is a barrier to recycling â€“ or is it? Surprises from a clean test. Waste Management, 2020, 108, 183-188.	7.4	13
51	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
52	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
53	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
54	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

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55	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
56	Age matters in the UK's Brexit referendum. Significance, 2017, 14, 30-33.	0.4	6
57	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
58	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
59	SARS-CoV-2 infection prevalence on repatriation flights from Wuhan City, China. Journal of Travel Medicine, 2020, 27, .	3.0	5
60	Spatial and temporal invasion dynamics of the 2014â€“2017 Zika and chikungunya epidemics in Colombia. PLoS Computational Biology, 2021, 17, e1009174.	3.2	5
61	Parameter-free testing of the shape of a probability distribution. BioSystems, 2007, 90, 509-515.	2.0	3
62	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
63	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
64	Spatiotemporal variations in exposure: Chagas disease in Colombia as a case study. BMC Medical Research Methodology, 2022, 22, 13.	3.1	2
65	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
66	Comparison of machine learning methods for estimating case fatality ratios: An Ebola outbreak simulation study. PLoS ONE, 2021, 16, e0257005.	2.5	1
67	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
68	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
69	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