

# Giorgio Guzzetta

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

1,903  
citations

279701

23  
h-index

302012

39  
g-index

57  
all docs

57  
docs citations

57  
times ranked

3233  
citing authors

#	ARTICLE	IF	CITATIONS
1	Population-level impact, herd immunity, and elimination after human papillomavirus vaccination: a systematic review and meta-analysis of predictions from transmission-dynamic models. <i>Lancet Public Health</i> , The, 2016, 1, e8-e17.	4.7	210
2	The early phase of the COVID-19 epidemic in Lombardy, Italy. <i>Epidemics</i> , 2021, 37, 100528.	1.5	158
3	Association of Age With Likelihood of Developing Symptoms and Critical Disease Among Close Contacts Exposed to Patients With Confirmed SARS-CoV-2 Infection in Italy. <i>JAMA Network Open</i> , 2021, 4, e211085.	2.8	127
4	Epidemiological characteristics of COVID-19 cases and estimates of the reproductive numbers 1 month into the epidemic, Italy, 28 January to 31 March 2020. <i>Eurosurveillance</i> , 2020, 25, .	3.9	121
5	Despite vaccination, China needs non-pharmaceutical interventions to prevent widespread outbreaks of COVID-19 in 2021. <i>Nature Human Behaviour</i> , 2021, 5, 1009-1020.	6.2	81
6	Retrospective analysis of the Italian exit strategy from COVID-19 lockdown. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	72
7	Perspectives on the Impact of Varicella Immunization on Herpes Zoster. A Model-Based Evaluation from Three European Countries. <i>PLoS ONE</i> , 2013, 8, e60732.	1.1	64
8	Impact of a Nationwide Lockdown on SARS-CoV-2 Transmissibility, Italy. <i>Emerging Infectious Diseases</i> , 2021, 27, 267-270.	2.0	64
9	Age-specific SARS-CoV-2 infection fatality ratio and associated risk factors, Italy, February to April 2020. <i>Eurosurveillance</i> , 2020, 25, .	3.9	51
10	Seroprevalence of and Risk Factors Associated With SARS-CoV-2 Infection in Health Care Workers During the Early COVID-19 Pandemic in Italy. <i>JAMA Network Open</i> , 2021, 4, e2115699.	2.8	48
11	Impact of tiered restrictions on human activities and the epidemiology of the second wave of COVID-19 in Italy. <i>Nature Communications</i> , 2021, 12, 4570.	5.8	45
12	Transmission dynamics of the ongoing chikungunya outbreak in Central Italy: from coastal areas to the metropolitan city of Rome, summer 2017. <i>Eurosurveillance</i> , 2017, 22, .	3.9	44
13	The effect of COVID-19 vaccination in Italy and perspectives for living with the virus. <i>Nature Communications</i> , 2021, 12, 7272.	5.8	40
14	The effect of interspecific competition on the temporal dynamics of <i>Aedes albopictus</i> and <i>Culex pipiens</i> . <i>Parasites and Vectors</i> , 2017, 10, 102.	1.0	39
15	Assessing the potential risk of Zika virus epidemics in temperate areas with established <i>Aedes albopictus</i> populations. <i>Eurosurveillance</i> , 2016, 21, .	3.9	39
16	Quantifying the spatial spread of dengue in a non-endemic Brazilian metropolis via transmission chain reconstruction. <i>Nature Communications</i> , 2018, 9, 2837.	5.8	38
17	Hope-Simpson's Progressive Immunity Hypothesis as a Possible Explanation for Herpes Zoster Incidence Data. <i>American Journal of Epidemiology</i> , 2013, 177, 1134-1142.	1.6	35
18	Potential Risk of Dengue and Chikungunya Outbreaks in Northern Italy Based on a Population Model of <i>Aedes albopictus</i> (Diptera: Culicidae). <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004762.	1.3	34

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19	Pressure on the Health-Care System and Intensive Care Utilization During the COVID-19 Outbreak in the Lombardy Region of Italy: A Retrospective Observational Study in 43,538 Hospitalized Patients. <i>American Journal of Epidemiology</i> , 2022, 191, 137-146.	1.6	34
20	Intrinsic generation time of the SARS-CoV-2 Omicron variant: An observational study of household transmission. <i>Lancet Regional Health - Europe</i> , The, 2022, 19, 100446.	3.0	34
21	Modeling socio-demography to capture tuberculosis transmission dynamics in a low burden setting. <i>Journal of Theoretical Biology</i> , 2011, 289, 197-205.	0.8	32
22	The impact of demographic changes on the epidemiology of herpes zoster: Spain as a case study. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20142509.	1.2	30
23	The Epidemiology of Herpes Zoster After Varicella Immunization Under Different Biological Hypotheses: Perspectives From Mathematical Modeling. <i>American Journal of Epidemiology</i> , 2016, 183, 765-773.	1.6	30
24	Effectiveness and economic assessment of routine larviciding for prevention of chikungunya and dengue in temperate urban settings in Europe. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005918.	1.3	30
25	Quantifying the transmission dynamics of MRSA in the community and healthcare settings in a low-prevalence country. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 14599-14605.	3.3	26
26	The Roles of Immune Memory and Aging in Protective Immunity and Endogenous Reactivation of Tuberculosis. <i>PLoS ONE</i> , 2013, 8, e60425.	1.1	20
27	First report of the influence of temperature on the bionomics and population dynamics of <i>Aedes koreicus</i> , a new invasive alien species in Europe. <i>Parasites and Vectors</i> , 2019, 12, 524.	1.0	20
28	The natural history of varicella zoster virus infection in Norway: Further insights on exogenous boosting and progressive immunity to herpes zoster. <i>PLoS ONE</i> , 2017, 12, e0176845.	1.1	19
29	A machine learning pipeline for quantitative phenotype prediction from genotype data. <i>BMC Bioinformatics</i> , 2010, 11, S3.	1.2	17
30	Spatial modes for transmission of chikungunya virus during a large chikungunya outbreak in Italy: a modeling analysis. <i>BMC Medicine</i> , 2020, 18, 226.	2.3	17
31	A comparative analysis of the 2007 and 2017 Italian chikungunya outbreaks and implication for public health response. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008159.	1.3	17
32	First outbreak of Zika virus in the continental United States: a modelling analysis. <i>Eurosurveillance</i> , 2017, 22, .	3.9	17
33	Model-based evaluation of alternative reactive class closure strategies against COVID-19. <i>Nature Communications</i> , 2022, 13, 322.	5.8	17
34	Perspectives on optimal control of varicella and herpes zoster by mass routine varicella vaccination. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20160054.	1.2	16
35	Effectiveness of Ultra-Low Volume insecticide spraying to prevent dengue in a non-endemic metropolitan area of Brazil. <i>PLoS Computational Biology</i> , 2019, 15, e1006831.	1.5	16
36	On the relationship between meningococcal transmission dynamics and disease: Remarks on humoral immunity. <i>Vaccine</i> , 2009, 27, 3429-3434.	1.7	15

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37	Modeling the interplay between demography, social contact patterns, and SARS-CoV-2 transmission in the South West Shewa Zone of Oromia Region, Ethiopia. <i>BMC Medicine</i> , 2021, 19, 89.	2.3	13
38	Effectiveness of contact investigations for tuberculosis control in Arkansas. <i>Journal of Theoretical Biology</i> , 2015, 380, 238-246.	0.8	12
39	Population dynamics of wild rodents induce stochastic fadeouts of a zoonotic pathogen. <i>Journal of Animal Ecology</i> , 2017, 86, 451-459.	1.3	12
40	Modeling the impact of combined vaccination programs against varicella and herpes zoster in Norway. <i>Vaccine</i> , 2018, 36, 1116-1125.	1.7	12
41	COVID-19 response: effectiveness of weekly rapid risk assessments, Italy. <i>Bulletin of the World Health Organization</i> , 2022, 100, 161-167.	1.5	10
42	The Impact of HPV Female Immunization in Italy: Model Based Predictions. <i>PLoS ONE</i> , 2014, 9, e91698.	1.1	8
43	Household transmission and disease transmissibility of a large HAV outbreak in Lazio, Italy, 2016-2017. <i>Epidemics</i> , 2019, 29, 100351.	1.5	8
44	A quantitative assessment of epidemiological parameters required to investigate COVID-19 burden. <i>Epidemics</i> , 2021, 37, 100530.	1.5	8
45	Assessing the risk of autochthonous yellow fever transmission in Lazio, central Italy. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0006970.	1.3	3
46	Early prediction of SARS-CoV-2 reproductive number from environmental, atmospheric and mobility data: A supervised machine learning approach. <i>International Journal of Medical Informatics</i> , 2022, 162, 104755.	1.6	3