Nicholas L Geard

List of Publications by Year
in descending order

53 papers	**749** citations	623734 **14** h-index	610901 **24** g-index
61 all docs	**61** docs citations	**61** times ranked	**1172** citing authors

#	Article	IF	Citations
1	Rapid assessment of the risk of SARS-CoV-2 importation: case study and lessons learned. Epidemics, 2022, 38, 100549.	3.0	5
2	Exploring automatic inconsistency detection for literature-based gene ontology annotation. Bioinformatics, 2022, 38, i273-i281.	4.1	0
3	COVID-19 in low-tolerance border quarantine systems: Impact of the Delta variant of SARS-CoV-2. Science Advances, 2022, 8, eabm3624.	10.3	10
4	The efficacy of sampling strategies for estimating scabies prevalence. PLoS Neglected Tropical Diseases, 2022, 16, e0010456.	3.0	2
5	Modelling the effect of within–host dynamics on the diversity of a multi-strain pathogen. Journal of Theoretical Biology, 2022, 548, 111185.	1.7	0
6	PoLoBag: Polynomial Lasso Bagging for signed gene regulatory network inference from expression data. Bioinformatics, 2021, 36, 5187-5193.	4.1	10
7	Risk mapping for COVID-19 outbreaks in Australia using mobility data. Journal of the Royal Society Interface, 2021, 18, 20200657.	3.4	40
8	Bow-tie architecture of gene regulatory networks in species of varying complexity. Journal of the Royal Society Interface, 2021, 18, 20210069.	3.4	2
9	Modelling testing and response strategies for COVID-19 outbreaks in remote Australian Aboriginal communities. BMC Infectious Diseases, 2021, 21, 929.	2.9	6
10	Mapping home internet activity during COVID-19 lockdown to identify occupation related inequalities. Scientific Reports, 2021, 11, 21054.	3.3	7
11	Automatic consistency assurance for literature-based gene ontology annotation. BMC Bioinformatics, 2021, 22, 565.	2.6	2
12	Longitudinal Analysis of Group A Streptococcus emm Types and emm Clusters in a High-Prevalence Setting: Relationship between Past and Future Infections. Journal of Infectious Diseases, 2020, 221, 1429-1437.	4.0	11
13	Proportional multistate lifetable modelling of preventive interventions: concepts, code and worked examples. International Journal of Epidemiology, 2020, 49, 1624-1636.	1.9	22
14	Modelling the household-level impact of a maternal respiratory syncytial virus (RSV) vaccine in a high-income setting. BMC Medicine, 2020, 18, 319.	5.5	8
15	Epidemiological consequences of enduring strain-specific immunity requiring repeated episodes of infection. PLoS Computational Biology, 2020, 16, e1007182.	3.2	2
16	A model of population dynamics with complex household structure and mobility: implications for transmission and control of communicable diseases. PeerJ, 2020, 8, e10203.	2.0	4
17	What can urban mobility data reveal about the spatial distribution of infection in a single city?. BMC Public Health, 2019, 19, 656.	2.9	18
18	Optimal timing of influenza vaccine during pregnancy: A systematic review and meta–analysis. Influenza and Other Respiratory Viruses, 2019, 13, 438-452.	3.4	49

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19	GEOFIL: A spatially-explicit agent-based modelling framework for predicting the long-term transmission dynamics of lymphatic filariasis in American Samoa. Epidemics, 2019, 27, 19-27.	3.0	14
20	Profiling Mycobacterium tuberculosis transmission and the resulting disease burden in the five highest tuberculosis burden countries. BMC Medicine, 2019, 17, 208.	5.5	20
21	Implications of asymptomatic carriers for infectious disease transmission and control. Royal Society Open Science, 2018, 5, 172341.	2.4	57
22	Investigation of group A Streptococcus immune responses in an endemic setting, with a particular focus on J8. Vaccine, 2018, 36, 7618-7624.	3.8	5
23	Quantity or quality? Assessing relationships between perceived social connectedness and recorded encounters. PLoS ONE, 2018, 13, e0208083.	2.5	2
24	Characterising pandemic severity and transmissibility from data collected during first few hundred studies. Epidemics, 2017, 19, 61-73.	3.0	36
25	Determining the Best Strategies for Maternally Targeted Pertussis Vaccination Using an Individual-Based Model. American Journal of Epidemiology, 2017, 186, 109-117.	3.4	9
26	A Synthetic Population for Modelling the Dynamics of Infectious Disease Transmission in American Samoa. Scientific Reports, 2017, 7, 16725.	3.3	25
27	Who's holding the baby? A prospective diary study of the contact patterns of mothers with an infant. BMC Infectious Diseases, 2017, 17, 634.	2.9	10
28	Indigenous Australian household structure: a simple data collection tool and implications for close contact transmission of communicable diseases. PeerJ, 2017, 5, e3958.	2.0	33
29	Influence of Population Demography and Immunization History on the Impact of an Antenatal Pertussis Program. Clinical Infectious Diseases, 2016, 63, S213-S220.	5.8	5
30	Model-Informed Risk Assessment and Decision Making for an Emerging Infectious Disease in the Asia-Pacific Region. PLoS Neglected Tropical Diseases, 2016, 10, e0005018.	3.0	9
31	Vaccination Programs for Endemic Infections: Modelling Real versus Apparent Impacts of Vaccine and Infection Characteristics. Scientific Reports, 2015, 5, 15468.	3.3	15
32	Social encounter profiles of greater Melbourne residents, by location – a telephone survey. BMC Infectious Diseases, 2015, 15, 494.	2.9	15
33	The effects of demographic change on disease transmission and vaccine impact in a household structured population. Epidemics, 2015, 13, 56-64.	3.0	50
34	The Practice of Agent-Based Model Visualization. Artificial Life, 2014, 20, 271-289.	1.3	14
35	Self-organizing agent communities for autonomic resource management. Adaptive Behavior, 2013, 21, 3-28.	1.9	4
36	A Bayesian Approach to the Validation of Agent-Based Models. Intelligent Systems Reference Library, 2013, , 255-269.	1.2	5

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37	Synthetic Population Dynamics: A Model of Household Demography. Jasss, 2013, 16, .	1.8	48
38	Developmental motifs reveal complex structure in cell lineages. Complexity, 2011, 16, 48-57.	1.6	10
39	Stability in flux: community structure in dynamic networks. Journal of the Royal Society Interface, 2011, 8, 1031-1040.	3.4	27
40	Spatial embedding as an enabling constraint: Introduction to a special issue of complexity on the topic of â€œSpatial Organizationâ€• Complexity, 2010, 16, 8-10.	1.6	2
41	COMPETITION AND THE DYNAMICS OF GROUP AFFILIATION. International Journal of Modeling, Simulation, and Scientific Computing, 2010, 13, 501-517.	1.4	6
42	<i>Adaptive Networks: Theory, Models and Applications</i>. T. Gross and H. Sayama (Eds.). (2009,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 16, 329-331.	1.3	0
43	Dynamical approaches to modeling developmental gene regulatory networks. Birth Defects Research Part C: Embryo Today Reviews, 2009, 87, 131-142.	3.6	16
44	Autonomic Resource Management through Self-Organising Agent Communities. , 2008, , .		1
45	LinMap: Visualizing Complexity Gradients in Evolutionary Landscapes. Artificial Life, 2008, 14, 277-297.	1.3	2
46	A generative bias towards average complexity in artificial cell lineages. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 1741-1751.	2.6	12
47	Directed Evolution of an Artificial Cell Lineage. , 2007, , 144-155.		0
48	A Gene Network Model for Developing Cell Lineages. Artificial Life, 2005, 11, 249-267.	1.3	33
49	Maximally rugged NK landscapes contain the highest peaks. , 2005, , .		11
50	Towards more biological mutation operators in gene regulation studies. BioSystems, 2004, 76, 239-248.	2.0	26
51	A comparison of neutral landscapes - NK, NKp and NKq. , 0, , .		15
52	Diversity maintenance on neutral landscapes: an argument for recombination. , 0, , .		2
53	Structure and dynamics of a gene network model incorporating small RNAs. , 0, , .		4