

Nicholas L Geard

List of Publications by Year in descending order

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Version: 2024-02-01

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	Implications of asymptomatic carriers for infectious disease transmission and control. Royal Society Open Science, 2018, 5, 172341.	2.4	57
2	The effects of demographic change on disease transmission and vaccine impact in a household structured population. Epidemics, 2015, 13, 56-64.	3.0	50
3	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
4	Synthetic Population Dynamics: A Model of Household Demography. Jasss, 2013, 16, .	1.8	48
5	Risk mapping for COVID-19 outbreaks in Australia using mobility data. Journal of the Royal Society Interface, 2021, 18, 20200657.	3.4	40
6	Characterising pandemic severity and transmissibility from data collected during first few hundred studies. Epidemics, 2017, 19, 61-73.	3.0	36
7	A Gene Network Model for Developing Cell Lineages. Artificial Life, 2005, 11, 249-267.	1.3	33
8	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
9	Stability in flux: community structure in dynamic networks. Journal of the Royal Society Interface, 2011, 8, 1031-1040.	3.4	27
10	Towards more biological mutation operators in gene regulation studies. BioSystems, 2004, 76, 239-248.	2.0	26
11	A Synthetic Population for Modelling the Dynamics of Infectious Disease Transmission in American Samoa. Scientific Reports, 2017, 7, 16725.	3.3	25
12	Proportional multistate lifetable modelling of preventive interventions: concepts, code and worked examples. International Journal of Epidemiology, 2020, 49, 1624-1636.	1.9	22
13	Profiling Mycobacterium tuberculosis transmission and the resulting disease burden in the five highest tuberculosis burden countries. BMC Medicine, 2019, 17, 208.	5.5	20
14	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
15	Dynamical approaches to modeling developmental gene regulatory networks. Birth Defects Research Part C: Embryo Today Reviews, 2009, 87, 131-142.	3.6	16
16	A comparison of neutral landscapes - NK, NKp and NKq. , 0, , .		15
17	Vaccination Programs for Endemic Infections: Modelling Real versus Apparent Impacts of Vaccine and Infection Characteristics. Scientific Reports, 2015, 5, 15468.	3.3	15
18	Social encounter profiles of greater Melbourne residents, by location - a telephone survey. BMC Infectious Diseases, 2015, 15, 494.	2.9	15

#	ARTICLE	IF	CITATIONS
19	The Practice of Agent-Based Model Visualization. <i>Artificial Life</i> , 2014, 20, 271-289.	1.3	14
20	GEOFIL: A spatially-explicit agent-based modelling framework for predicting the long-term transmission dynamics of lymphatic filariasis in American Samoa. <i>Epidemics</i> , 2019, 27, 19-27.	3.0	14
21	A generative bias towards average complexity in artificial cell lineages. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 1741-1751.	2.6	12
22	Maximally rugged NK landscapes contain the highest peaks. , 2005, , .		11
23	Longitudinal Analysis of Group A Streptococcus emm Types and emm Clusters in a High-Prevalence Setting: Relationship between Past and Future Infections. <i>Journal of Infectious Diseases</i> , 2020, 221, 1429-1437.	4.0	11
24	Developmental motifs reveal complex structure in cell lineages. <i>Complexity</i> , 2011, 16, 48-57.	1.6	10
25	Whoâ€™s holding the baby? A prospective diary study of the contact patterns of mothers with an infant. <i>BMC Infectious Diseases</i> , 2017, 17, 634.	2.9	10
26	PoLoBag: Polynomial Lasso Bagging for signed gene regulatory network inference from expression data. <i>Bioinformatics</i> , 2021, 36, 5187-5193.	4.1	10
27	COVID-19 in low-tolerance border quarantine systems: Impact of the Delta variant of SARS-CoV-2. <i>Science Advances</i> , 2022, 8, eabm3624.	10.3	10
28	Determining the Best Strategies for Maternally Targeted Pertussis Vaccination Using an Individual-Based Model. <i>American Journal of Epidemiology</i> , 2017, 186, 109-117.	3.4	9
29	Model-Informed Risk Assessment and Decision Making for an Emerging Infectious Disease in the Asia-Pacific Region. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0005018.	3.0	9
30	Modelling the household-level impact of a maternal respiratory syncytial virus (RSV) vaccine in a high-income setting. <i>BMC Medicine</i> , 2020, 18, 319.	5.5	8
31	Mapping home internet activity during COVID-19 lockdown to identify occupation related inequalities. <i>Scientific Reports</i> , 2021, 11, 21054.	3.3	7
32	COMPETITION AND THE DYNAMICS OF GROUP AFFILIATION. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2010, 13, 501-517.	1.4	6
33	Modelling testing and response strategies for COVID-19 outbreaks in remote Australian Aboriginal communities. <i>BMC Infectious Diseases</i> , 2021, 21, 929.	2.9	6
34	Influence of Population Demography and Immunization History on the Impact of an Antenatal Pertussis Program. <i>Clinical Infectious Diseases</i> , 2016, 63, S213-S220.	5.8	5
35	Investigation of group A Streptococcus immune responses in an endemic setting, with a particular focus on J8. <i>Vaccine</i> , 2018, 36, 7618-7624.	3.8	5
36	A Bayesian Approach to the Validation of Agent-Based Models. <i>Intelligent Systems Reference Library</i> , 2013, , 255-269.	1.2	5

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37	Rapid assessment of the risk of SARS-CoV-2 importation: case study and lessons learned. <i>Epidemics</i> , 2022, 38, 100549.	3.0	5
38	Structure and dynamics of a gene network model incorporating small RNAs. , 0, , .		4
39	Self-organizing agent communities for autonomic resource management. <i>Adaptive Behavior</i> , 2013, 21, 3-28.	1.9	4
40	A model of population dynamics with complex household structure and mobility: implications for transmission and control of communicable diseases. <i>PeerJ</i> , 2020, 8, e10203.	2.0	4
41	Diversity maintenance on neutral landscapes: an argument for recombination. , 0, , .		2
42	LinMap: Visualizing Complexity Gradients in Evolutionary Landscapes. <i>Artificial Life</i> , 2008, 14, 277-297.	1.3	2
43	Spatial embedding as an enabling constraint: Introduction to a special issue of complexity on the topic of "Spatial Organization". <i>Complexity</i> , 2010, 16, 8-10.	1.6	2
44	Quantity or quality? Assessing relationships between perceived social connectedness and recorded encounters. <i>PLoS ONE</i> , 2018, 13, e0208083.	2.5	2
45	Epidemiological consequences of enduring strain-specific immunity requiring repeated episodes of infection. <i>PLoS Computational Biology</i> , 2020, 16, e1007182.	3.2	2
46	Bow-tie architecture of gene regulatory networks in species of varying complexity. <i>Journal of the Royal Society Interface</i> , 2021, 18, 20210069.	3.4	2
47	Automatic consistency assurance for literature-based gene ontology annotation. <i>BMC Bioinformatics</i> , 2021, 22, 565.	2.6	2
48	The efficacy of sampling strategies for estimating scabies prevalence. <i>PLoS Neglected Tropical Diseases</i> , 2022, 16, e0010456.	3.0	2
49	Autonomic Resource Management through Self-Organising Agent Communities. , 2008, , .		1
50	<i>Adaptive Networks: Theory, Models and Applications</i> . T. Gross and H. Sayama (Eds.). (2009,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 16, 329-331.	1.3	0
51	Directed Evolution of an Artificial Cell Lineage. , 2007, , 144-155.		0
52	Exploring automatic inconsistency detection for literature-based gene ontology annotation. <i>Bioinformatics</i> , 2022, 38, i273-i281.	4.1	0
53	Modelling the effect of within-host dynamics on the diversity of a multi-strain pathogen. <i>Journal of Theoretical Biology</i> , 2022, 548, 111185.	1.7	0