John W Glasser

List of Publications by Year
in descending order

31 papers	579 citations	567281 15 h-index	642732 23 g-index
31 all docs	31 docs citations	31 times ranked	642 citing authors

#	Article	IF	Citations
1	Modeling and public health emergency responses: Lessons from SARS. Epidemics, 2011, 3, 32-37.	3.0	62
2	A Theory of Trophic Strategies: The Evolution of Facultative Specialists. American Naturalist, 1982, 119, 250-262.	2.1	56
3	The effect of heterogeneity in uptake of the measles, mumps, and rubella vaccine on the potential for outbreaks of measles: a modelling study. Lancet Infectious Diseases, The, 2016, 16, 599-605.	9.1	55
4	The Role of Predation in Shaping and Maintaining the Structure of Communities. American Naturalist, 1979, 113, 631-641.	2.1	54
5	An elaboration of theory about preventing outbreaks in homogeneous populations to include heterogeneity or preferential mixing. Journal of Theoretical Biology, 2015, 386, 177-187.	1.7	43
6	Evolution of Efficiencies and Strategies of Resource Exploitation. Ecology, 1984, 65, 1570-1578.	3.2	27
7	Targeting pediatric versus elderly populations for norovirus vaccines: a model-based analysis of mass vaccination options. Epidemics, 2016, 17, 42-49.	3.0	26
8	Evaluating targeted interventions via meta-population models with multi-level mixing. Mathematical Biosciences, 2017, 287, 93-104.	1.9	25
9	Modeling the waning and boosting of immunity from infection or vaccination. Journal of Theoretical Biology, 2020, 497, 110265.	1.7	25
10	On the Causes of Temporal Change in Communities: Modification of the Biotic Environment. American Naturalist, 1982, 119, 375-390.	2.1	23
11	Timely identification of optimal control strategies for emerging infectious diseases. Journal of Theoretical Biology, 2009, 259, 165-171.	1.7	23
12	Evaluating vaccination policies to accelerate measles elimination in China: a meta-population modelling study. International Journal of Epidemiology, 2019, 48, 1240-1251.	1.9	23
13	Is Conventional Foraging Theory Optimal?. American Naturalist, 1984, 124, 900-905.	2.1	22
14	Variation in Niche Breadth with Trophic Position: On the Disparity between Expected and Observed Species Packing. American Naturalist, 1983, 122, 542-548.	2.1	17
15	Evaluating Expectations Deduced from Explicit Hypotheses about Mechanisms of Competition. Oikos, 1988, 51, 57.	2.7	15
16	Niche theory: New insights from an old paradigm. Journal of Theoretical Biology, 1982, 99, 437-460.	1.7	11
17	Influence of demographically-realistic mortality schedules on vaccination strategies in age-structured models. Theoretical Population Biology, 2020, 132, 24-32.	1.1	11
18	Assessing the burden of congenital rubella syndrome in China and evaluating mitigation strategies: a metapopulation modelling study. Lancet Infectious Diseases, The, 2021, 21, 1004-1013.	9.1	11

#	Article	IF	Citations
19	Modeling rates of infection with transient maternal antibodies and waning active immunity: Application to Bordetella pertussis in Sweden. Journal of Theoretical Biology, 2014, 356, 123-132.	1.7	10
20	Analysis of zooplankton feeding experiments: some methodological considerations. Journal of Plankton Research, 1984, 6, 553-569.	1.8	7
21	Constrained minimization problems for the reproduction number in meta-population models. Journal of Mathematical Biology, 2018, 77, 1795-1831.	1.9	7
22	Computation of $mathcal R $ in age-structured epidemiological models with maternal and temporary immunity. Discrete and Continuous Dynamical Systems - Series B, 2015, 21, 399-415.	0.9	6
23	The Effect of Predation on Prey Resource Utilization. Ecology, 1978, 59, 724-732.	3.2	5
24	A model of the growth of populations composed of individuals whose probabilities of growth, reproduction and death are size-specific. Journal of Plankton Research, 1983, 5, 305-310.	1.8	5
25	Temporal Patterns in Species' Abundances that Imply a Balance between Competition and Predation. American Naturalist, 1989, 134, 120-127.	2.1	4
26	On the role of chance in biology: The stochastic-deterministic continuum. Journal of Theoretical Biology, 1983, 102, 463-467.	1.7	2
27	Analysis of an epidemiological model structured by time-since-last-infection. Journal of Differential Equations, 2019, 267, 5631-5661.	2.2	2
28	Interface (and facilitation) among species that exploit alternative resources. Ecological Modelling, 1988, 40, 111-129.	2.5	1
29	Mixing in Meta-Population Models. Mathematics of Planet Earth, 2019, , 99-126.	0.1	1
30	Infectious Disease Modeling. , 2021, , 331-344.		0
31	A Test of Ideas about the Evolution of Efficiencies and Strategies of Resource Use. Lecture Notes in Biomathematics, 1983, , 79-84.	0.3	0