Jonathan Dushoff

List of Publications by Year
in descending order

44 papers	6,544 citations	117625 34 h-index	233421 45 g-index
47 all docs	47 docs citations	47 times ranked	7658 citing authors

#	Article	IF	Citations
1	A conceptual guide to measuring species diversity. Oikos, 2021, 130, 321-338.	2.7	246
2	Acceleration of plague outbreaks in the second pandemic. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 27703-27711.	7.1	12
3	Patterns of seasonal and pandemic influenza-associated health care and mortality in Ontario, Canada. BMC Public Health, 2019, 19, 1237.	2.9	2
4	Male and female bees show large differences in floral preference. PLoS ONE, 2019, 14, e0214909.	2.5	45
5	Eco-Evolutionary Theory and Insect Outbreaks. American Naturalist, 2017, 189, 616-629.	2.1	13
6	The risk of incomplete personal protection coverage in vector-borne disease. Journal of the Royal Society Interface, 2016, 13, 20150666.	3.4	7
7	Estimating the Global Burden of Endemic Canine Rabies. PLoS Neglected Tropical Diseases, 2015, 9, e0003709.	3.0	1,008
8	Robust estimation of microbial diversity in theory and in practice. ISME Journal, 2013, 7, 1092-1101.	9.8	321
9	Designing Programs for Eliminating Canine Rabies from Islands: Bali, Indonesia as a Case Study. PLoS Neglected Tropical Diseases, 2013, 7, e2372.	3.0	128
10	Patterns of spread of influenza A in Canada. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20131174.	2.6	32
11	Inferring the causes of the three waves of the 1918 influenza pandemic in England and Wales. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20131345.	2.6	109
12	Effects of School Closure on Incidence of Pandemic Influenza in Alberta, Canada. Annals of Internal Medicine, 2012, 156, 173.	3.9	166
13	Age-specific mortality risk from pandemic influenza. Journal of Theoretical Biology, 2011, 288, 29-34.	1.7	50
14	Mechanistic modelling of the three waves of the 1918 influenza pandemic. Theoretical Ecology, 2011, 4, 283-288.	1.0	41
15	Prevalence of Epistasis in the Evolution of Influenza A Surface Proteins. PLoS Genetics, 2011, 7, e1001301.	3.5	182
16	Transmission Dynamics and Prospects for the Elimination of Canine Rabies. PLoS Biology, 2009, 7, e1000053.	5.6	374
17	On the Accessibility of Adaptive Phenotypes of a Bacterial Metabolic Network. PLoS Computational Biology, 2009, 5, e1000472.	3.2	11
18	Avoiding spurious findings of nonrandom social structure in association data. Animal Behaviour, 2009, 77, 1381-1385.	1.9	24

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19	On the use of hemagglutination-inhibition for influenza surveillance: Surveillance data are predictive of influenza vaccine effectiveness. Vaccine, 2009, 27, 2447-2452.	3.8	44
20	Exploring reservoir dynamics: a case study of rabies in the Serengeti ecosystem. Journal of Applied Ecology, 2008, 45, 1246-1257.	4.0	166
21	Natural Selection for Nucleotide Usage at Synonymous and Nonsynonymous Sites in Influenza A Virus Genes. Journal of Virology, 2008, 82, 4938-4945.	3.4	25
22	Directionality in the evolution of influenza A haemagglutinin. Proceedings of the Royal Society B: Biological Sciences, 2008, 275, 2455-2464.	2.6	21
23	Hostâ€Pathogen Interactions, Insect Outbreaks, and Natural Selection for Disease Resistance. American Naturalist, 2008, 172, 829-842.	2.1	69
24	Rabies Exposures, Post-Exposure Prophylaxis and Deaths in a Region of Endemic Canine Rabies. PLoS Neglected Tropical Diseases, 2008, 2, e339.	3.0	176
25	Synchronous cycles of domestic dog rabies in sub-Saharan Africa and the impact of control efforts. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 7717-7722.	7.1	132
26	On State-Space Reduction in Multi-Strain Pathogen Models, with an Application to Antigenic Drift in Influenza A. PLoS Computational Biology, 2007, 3, e159.	3.2	50
27	The Genesis and Spread of Reassortment Human Influenza A/H3N2 Viruses Conferring Adamantane Resistance. Molecular Biology and Evolution, 2007, 24, 1811-1820.	8.9	174
28	Native bees provide insurance against ongoing honey bee losses. Ecology Letters, 2007, 10, 1105-1113.	6.4	401
29	Network metrics reveal differences in social organization between two fissionâ€“fusion species, Grevyâ€™s zebra and onager. Oecologia, 2007, 151, 140-149.	2.0	210
30	Vaccinating to Protect a Vulnerable Subpopulation. PLoS Medicine, 2007, 4, e174.	8.4	72
31	Codon Usage and Selection on Proteins. Journal of Molecular Evolution, 2006, 63, 635-653.	1.8	40
32	Mortality due to Influenza in the United Statesâ€”An Annualized Regression Approach Using Multiple-Cause Mortality Data. American Journal of Epidemiology, 2006, 163, 181-187.	3.4	230
33	Estimating Selection Pressures from Limited Comparative Data. Molecular Biology and Evolution, 2006, 23, 1457-1459.	8.9	8
34	US flu mortality estimates are based on solid science. BMJ: British Medical Journal, 2006, 332, 177.2-178.	2.3	18
35	Testing Simple Indices of Habitat Proximity. American Naturalist, 2005, 165, 707-717.	2.1	94
36	Dynamical resonance can account for seasonality of influenza epidemics. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 16915-16916.	7.1	311

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37	The Risk of a Mosquito-Borne Infectionin a Heterogeneous Environment. PLoS Biology, 2004, 2, e368.	5.6	269
38	Detecting selection using a single genome sequence of M. tuberculosis and P. falciparum. Nature, 2004, 428, 942-945.	27.8	86
39	The combined effects of pathogens and predators on insect outbreaks. Nature, 2004, 430, 341-345.	27.8	222
40	Evolution and persistence of influenza A and other diseases. Mathematical Biosciences, 2004, 188, 17-28.	1.9	47
41	Codon bias and frequency-dependent selection on the hemagglutinin epitopes of influenza A virus. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 7152-7157.	7.1	154
42	Hemagglutinin sequence clusters and the antigenic evolution of influenza A virus. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 6263-6268.	7.1	205
43	Ecology and evolution of the flu. Trends in Ecology and Evolution, 2002, 17, 334-340.	8.7	233
44	PathogenâEDriven Outbreaks in Forest Defoliators Revisited: Building Models from Experimental Data. American Naturalist, 2000, 156, 105-120.	2.1	135