Richard Williams

List of Publications by Year
in descending order

43 papers	8,220 citations	136950 32 h-index	289244 40 g-index
43 all docs	43 docs citations	43 times ranked	7465 citing authors

#	Article	IF	Citations
1	The intrinsic predictability of ecological time series and its potential to guide forecasting. Ecological Monographs, 2019, 89, e01359.	5.4	74
2	On the prevalence and dynamics of inverted trophic pyramids and otherwise topâ€heavy communities. Ecology Letters, 2018, 21, 439-454.	6.4	92
3	Compensation masks trophic cascades in complex food webs. Theoretical Ecology, 2017, 10, 245-253.	1.0	12
4	The roles and impacts of human hunter-gatherers in North Pacific marine food webs. Scientific Reports, 2016, 6, 21179.	3.3	55
5	Simulating social-ecological systems: the Island Digital Ecosystem Avatars (IDEA) consortium. GigaScience, 2016, 5, 14.	6.4	15
6	Social Network Analysis and Qualitative Interviews for Assessing Geographic Characteristics of Tourism Business Networks. PLoS ONE, 2016, 11, e0156028.	2.5	18
7	Effects of spatial scale of sampling on food web structure. Ecology and Evolution, 2015, 5, 3769-3782.	1.9	47
8	Highly resolved early Eocene food webs show development of modern trophic structure after the end-Cretaceous extinction. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20133280.	2.6	68
9	Parasites Affect Food Web Structure Primarily through Increased Diversity and Complexity. PLoS Biology, 2013, 11, e1001579.	5.6	233
10	Modeling the Building Blocks of Biodiversity. PLoS ONE, 2013, 8, e56277.	2.5	9
11	More than a mealâ€¦ integrating nonâ€feeding interactions into food webs. Ecology Letters, 2012, 15, 291-300.	6.4	320
12	Mechanistic theory and modelling of complex foodâ€web dynamics in Lake Constance. Ecology Letters, 2012, 15, 594-602.	6.4	141
13	Eco-evolutionary Dynamics of Individual-Based Food Webs. Advances in Ecological Research, 2011, 45, 225-268.	2.7	39
14	The probabilistic niche model reveals substantial variation in the niche structure of empirical food webs. Ecology, 2011, 92, 1849-1857.	3.2	37
15	Assessing the impacts of international trade on CITES-listed species: Current practices and opportunities for scientific research. Biological Conservation, 2011, 144, 82-91.	4.1	52
16	The influence of single elements on nested community structure. Methods in Ecology and Evolution, 2011, 2, 541-549.	5.2	6
17	Intraspecific variability drives diversity in food webs. Nature Precedings, 2011, , .	0.1	0
18	Biology, Methodology or Chance? The Degree Distributions of Bipartite Ecological Networks. PLoS ONE, 2011, 6, e17645.	2.5	35

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19	The consequences of size dependent foraging for food web topology. Oikos, 2011, 120, 493-502.	2.7	35
20	Adaptive foraging and the rewiring of size-structured food webs following extinctions. Basic and Applied Ecology, 2011, 12, 562-570.	2.7	42
21	Boosting CITES Through Research. Science, 2011, 331, 857-857.	12.6	6
22	Simple MaxEnt models explain food web degree distributions. Theoretical Ecology, 2010, 3, 45-52.	1.0	49
23	The Probabilistic Niche Model Reveals the Niche Structure and Role of Body Size in a Complex Food Web. PLoS ONE, 2010, 5, e12092.	2.5	97
24	Simple prediction of interaction strengths in complex food webs. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 187-191.	7.1	286
25	Predicting invasion success in complex ecological networks. Philosophical Transactions of the Royal Society B: Biological Sciences, 2009, 364, 1743-1754.	4.0	151
26	Cascading extinctions and community collapse in model food webs. Philosophical Transactions of the Royal Society B: Biological Sciences, 2009, 364, 1711-1723.	4.0	233
27	Future novel threats and opportunities facing UK biodiversity identified by horizon scanning. Journal of Applied Ecology, 2008, 45, 821-833.	4.0	130
28	Effects of network and dynamical model structure on species persistence in large model food webs. Theoretical Ecology, 2008, 1, 141-151.	1.0	54
29	Success and its limits among structural models of complex food webs. Journal of Animal Ecology, 2008, 77, 512-519.	2.8	111
30	Compilation and Network Analyses of Cambrian Food Webs. PLoS Biology, 2008, 6, e102.	5.6	211
31	DYNAMIC NETWORK MODELS OF ECOLOGICAL DIVERSITY, COMPLEXITY, AND NONLINEAR PERSISTENCE. Complex Systems and Interdisciplinary Science, 2007, , 423-447.	0.2	0
32	GrOWL: A tool for visualization and editing of OWL ontologies. Web Semantics, 2007, 5, 54-57.	2.9	52
33	Allometric scaling enhances stability in complex food webs. Ecology Letters, 2006, 9, 1228-1236.	6.4	501
34	Ontologies for ecoinformatics. Web Semantics, 2006, 4, 237-242.	2.9	34
35	Interactive 3D visualization of highly connected ecological networks on the WWW. , 2005, , .		6
36	Stabilization of chaotic and non-permanent food-web dynamics. European Physical Journal B, 2004, 38, 297-303.	1.5	158

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37	Limits to Trophic Levels and Omnivory in Complex Food Webs: Theory and Data. American Naturalist, 2004, 163, 458-468.	2.1	267
38	Network structure and robustness of marine food webs. Marine Ecology - Progress Series, 2004, 273, 291-302.	1.9	322
39	ESTIMATING SPECIES RICHNESS: SENSITIVITY TO SAMPLE COVERAGE AND INSENSITIVITY TO SPATIAL PATTERNS. Ecology, 2003, 84, 2364-2377.	3.2	271
40	Food-web structure and network theory: The role of connectance and size. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 12917-12922.	7.1	1,117
41	Two degrees of separation in complex food webs. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 12913-12916.	7.1	324
42	Network structure and biodiversity loss in food webs: robustness increases with connectance. Ecology Letters, 2002, 5, 558-567.	6.4	1,344
43	Simple rules yield complex food webs. Nature, 2000, 404, 180-183.	27.8	1,166