Jennifer A Dunne

List of Publications by Year
in descending order

41 papers	7,921 citations	147801 31 h-index	315739 38 g-index
42 all docs	42 docs citations	42 times ranked	9239 citing authors

#	Article	IF	Citations
1	Network structure and biodiversity loss in food webs: robustness increases with connectance. Ecology Letters, 2002, 5, 558-567.	6.4	1,344
2	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
3	Parasites in food webs: the ultimate missing links. Ecology Letters, 2008, 11, 533-546.	6.4	716
4	Food webs: reconciling the structure and function of biodiversity. Trends in Ecology and Evolution, 2012, 27, 689-697.	8.7	521
5	SUBALPINE MEADOW FLOWERING PHENOLOGY RESPONSES TO CLIMATE CHANGE: INTEGRATING EXPERIMENTAL AND GRADIENT METHODS. Ecological Monographs, 2003, 73, 69-86.	5.4	365
6	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
7	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
8	Phenological tracking enables positive species responses to climate change. Ecology, 2012, 93, 1765-1771.	3.2	260
9	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
10	Parasites Affect Food Web Structure Primarily through Increased Diversity and Complexity. PLoS Biology, 2013, 11, e1001579.	5.6	233
11	INTEGRATING EXPERIMENTAL AND GRADIENT METHODS IN ECOLOGICAL CLIMATE CHANGE RESEARCH. Ecology, 2004, 85, 904-916.	3.2	229
12	Historical Changes in Marine Resources, Food-web Structure and Ecosystem Functioning in the Adriatic Sea, Mediterranean. Ecosystems, 2011, 14, 198-222.	3.4	212
13	Compilation and Network Analyses of Cambrian Food Webs. PLoS Biology, 2008, 6, e102.	5.6	211
14	On Theory in Ecology. BioScience, 2014, 64, 701-710.	4.9	195
15	Physiological regulatory networks: ecological roles and evolutionary constraints. Trends in Ecology and Evolution, 2012, 27, 428-435.	8.7	177
16	RESPONSE OF COMPLEX FOOD WEBS TO REALISTIC EXTINCTION SEQUENCES. Ecology, 2007, 88, 671-682.	3.2	164
17	Consequences of adaptive behaviour for the structure and dynamics of food webs. Ecology Letters, 2010, 13, 1546-1559.	6.4	159
18	Climate change in size-structured ecosystems. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 2903-2912.	4.0	153

#	Article	IF	Citations
19	Complexity in Ecology and Conservation: Mathematical, Statistical, and Computational Challenges. BioScience, 2005, 55, 501.	4.9	115
20	Plant community composition mediates both large transient decline and predicted long-term recovery of soil carbon under climate warming. Global Biogeochemical Cycles, 2002, 16, 3-1-3-18.	4.9	113
21	Major dimensions in foodâ€web structure properties. Ecology, 2009, 90, 278-282.	3.2	89
22	Bringing Elton and Grinnell together: a quantitative framework to represent the biogeography of ecological interaction networks. Ecography, 2019, 42, 401-415.	4.5	85
23	The Role of Body Size in Complex Food Webs. Advances in Ecological Research, 2011, 45, 181-223.	2.7	79
24	Freshwater food webs: towards a more fundamental understanding of biodiversity and community dynamics. Freshwater Biology, 2012, 57, 1329-1341.	2.4	73
25	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
26	Fundamental ecology is fundamental. Trends in Ecology and Evolution, 2015, 30, 9-16.	8.7	61
27	The roles and impacts of human hunter-gatherers in North Pacific marine food webs. Scientific Reports, 2016, 6, 21179.	3.3	55
28	mangal â€“ making ecological network analysis simple. Ecography, 2016, 39, 384-390.	4.5	53
29	Species-mediated soil moisture availability and patchy establishment of Pseudotsuga menziesii in chaparral. Oecologia, 1999, 119, 36-45.	2.0	51
30	Effects of spatial scale of sampling on food web structure. Ecology and Evolution, 2015, 5, 3769-3782.	1.9	47
31	Ecogeographical rules and the macroecology of food webs. Global Ecology and Biogeography, 2019, 28, 1204-1218.	5.8	34
32	An Introduction to the Biocomplexity of Sanak Island, Western Gulf of Alaska. Pacific Science, 2009, 63, 673-709.	0.6	33
33	Stochastic ecological network occupancy (SENO) models: a new tool for modeling ecological networks across spatial scales. Theoretical Ecology, 2010, 3, 123-135.	1.0	18
34	Disentangling ecological and taphonomic signals in ancient food webs. Paleobiology, 2021, 47, 385-401.	2.0	14
35	On the Importance of First Principles in Ecological Theory Development. BioScience, 2015, 65, 342-343.	4.9	11
36	Chapter 3 Modelling the dynamics of complex food webs. , 2009, , 37-44.		8

#	Article	IF	Citations
37	Ecological networks and archaeology. Antiquity, 2021, 95, 812-825.	1.0	6
38	Effect of spatial scale on the network properties of estuarine food webs. Ecological Complexity, 2017, 29, 87-92.	2.9	3
39	Food Webs. , 2012, , 1155-1176.		2
40	Back to the fundamentals: a reply to Barot et al.. Trends in Ecology and Evolution, 2015, 30, 370-371.	8.7	2
41	SUBALPINE MEADOW FLOWERING PHENOLOGY RESPONSES TO CLIMATE CHANGE: INTEGRATING EXPERIMENTAL AND GRADIENT METHODS. , 2003, 73, 69.		1