Neo D Martinez

List of Publications by Year
in descending order

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71	14,400	57758	123424
papers	citations	44 h-index	61 g-index

75	75	75	12313
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Allometric Trophic Networks From Individuals to Socio-Ecosystems: Consumerâ€“Resource Theory of the Ecological Elephant in the Room. Frontiers in Ecology and Evolution, 2020, 8, .	2.2	19
2	Mutualism increases diversity, stability, and function of multiplex networks that integrate pollinators into food webs. Nature Communications, 2020, 11, 2182.	12.8	48
3	Predator traits determine food-web architecture across ecosystems. Nature Ecology and Evolution, 2019, 3, 919-927.	7.8	157
4	Ecogeographical rules and the macroecology of food webs. Global Ecology and Biogeography, 2019, 28, 1204-1218.	5.8	34
5	Simulated evolution assembles more realistic food webs with more functionally similar species than invasion. Scientific Reports, 2019, 9, 18242.	3.3	6
6	Environmentallyâ€induced noise dampens and reddens with increasing trophic level in a complex food web. Oikos, 2019, 128, 608-620.	2.7	12
7	Bringing Elton and Grinnell together: a quantitative framework to represent the biogeography of ecological interaction networks. Ecography, 2019, 42, 401-415.	4.5	85
8	On the prevalence and dynamics of inverted trophic pyramids and otherwise topâ€heavy communities. Ecology Letters, 2018, 21, 439-454.	6.4	92
9	Species traits and network structure predict the success and impacts of pollinator invasions. Nature Communications, 2018, 9, 2153.	12.8	57
10	Degree heterogeneity and stability of ecological networks. Journal of the Royal Society Interface, 2017, 14, 20170189.	3.4	20
11	Consumptionâ€Based Conservation Targeting: Linking Biodiversity Loss to Upstream Demand through a Global Wildlife Footprint. Conservation Letters, 2017, 10, 531-538.	5.7	38
12	Robustness Trade-Offs in Model Food Webs. Advances in Ecological Research, 2017, 56, 263-291.	2.7	29
13	Community assembly on isolated islands: macroecology meets evolution. Global Ecology and Biogeography, 2016, 25, 769-780.	5.8	62
14	Simulating social-ecological systems: the Island Digital Ecosystem Avatars (IDEA) consortium. GigaScience, 2016, 5, 14.	6.4	15
15	Niche partitioning due to adaptive foraging reverses effects of nestedness and connectance on pollination network stability. Ecology Letters, 2016, 19, 1277-1286.	6.4	91
16	Fishing-induced life-history changes degrade and destabilize harvested ecosystems. Scientific Reports, 2016, 6, 22245.	3.3	89
17	The macroecology of phylogenetically structured hummingbirdâ€“plant networks. Global Ecology and Biogeography, 2015, 24, 1212-1224.	5.8	100
18	Effects of trophic similarity on community composition. Ecology Letters, 2014, 17, 1495-1506.	6.4	31

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19	Iterative design and development of the ‘World of Balance’ game: From ecosystem education to scientific discovery. , 2013, , .		4
20	Parasites Affect Food Web Structure Primarily through Increased Diversity and Complexity. PLoS Biology, 2013, 11, e1001579.	5.6	233
21	Food webs: reconciling the structure and function of biodiversity. Trends in Ecology and Evolution, 2012, 27, 689-697.	8.7	521
22	Estimating trophic position in marine and estuarine food webs. Ecosphere, 2012, 3, 1-20.	2.2	35
23	Approaching a state shift in Earthâ€™s biosphere. Nature, 2012, 486, 52-58.	27.8	1,518
24	More than a mealâ€¦ integrating nonâ€feeding interactions into food webs. Ecology Letters, 2012, 15, 291-300.	6.4	320
25	Mechanistic theory and modelling of complex foodâ€web dynamics in Lake Constance. Ecology Letters, 2012, 15, 594-602.	6.4	141
26	A New Approach to Ecological Risk Assessment: Simulating Effects of Global Warming on Complex Ecological Networks. , 2011, , 342-350.		4
27	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
28	Predicting invasion success in complex ecological networks. Philosophical Transactions of the Royal Society B: Biological Sciences, 2009, 364, 1743-1754.	4.0	151
29	Foodâ€web assembly during a classic biogeographic study: speciesâ€™â€œtrophic breadthâ€•corresponds to colonization order. Oikos, 2008, 117, 665-674.	2.7	67
30	Parasites in food webs: the ultimate missing links. Ecology Letters, 2008, 11, 533-546.	6.4	716
31	Success and its limits among structural models of complex food webs. Journal of Animal Ecology, 2008, 77, 512-519.	2.8	111
32	Compilation and Network Analyses of Cambrian Food Webs. PLoS Biology, 2008, 6, e102.	5.6	211
33	The "Goldilocks factor" in food webs. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 4079-4080.	7.1	30
34	Food-web assembly during a classic biogeographic study: speciesâ€™ "trophic breadth" corresponds to colonization order. Oikos, 2008, .	2.7	0
35	DYNAMIC NETWORK MODELS OF ECOLOGICAL DIVERSITY, COMPLEXITY, AND NONLINEAR PERSISTENCE. Complex Systems and Interdisciplinary Science, 2007, , 423-447.	0.2	0
36	RESPONSE OF COMPLEX FOOD WEBS TO REALISTIC EXTINCTION SEQUENCES. Ecology, 2007, 88, 671-682.	3.2	164

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37	Homage to Yodzis and Innes 1992: Scaling up Feeding-Based Population Dynamics to Complex Ecological Networks. , 2007, , 37-51.		10
38	CONSUMERâ€“RESOURCE BODY-SIZE RELATIONSHIPS IN NATURAL FOOD WEBS. Ecology, 2006, 87, 2411-2417.	3.2	568
39	The structure of food webs along river networks. Ecography, 2006, 29, 3-10.	4.5	41
40	Non-omnivorous generality promotes population stability. Biology Letters, 2006, 2, 374-377.	2.3	11
41	Allometric scaling enhances stability in complex food webs. Ecology Letters, 2006, 9, 1228-1236.	6.4	501
42	Ontologies for ecoinformatics. Web Semantics, 2006, 4, 237-242.	2.9	34
43	Scaling up keystone effects from simple to complex ecological networks. Ecology Letters, 2005, 8, 1317-1325.	6.4	156
44	Interactive 3D visualization of highly connected ecological networks on the WWW. , 2005, , .		6
45	BODY SIZES OF CONSUMERS AND THEIR RESOURCES. Ecology, 2005, 86, 2545-2545.	3.2	105
46	FROM FOOD WEBS TO ECOLOGICAL NETWORKS. , 2005, , 27-36.		12
47	Modeling food-web dynamics: complexityâ€“stability implications. , 2005, , 117-129.		44
48	<title>Webs on the Web (WOW): 3D visualization of ecological networks on the WWW for collaborative research and education</title>. , 2004, , .		28
49	Estimating the richness of species with variable mobility. Oikos, 2004, 105, 292-300.	2.7	98
50	Unified spatial scaling of species and their trophic interactions. Nature, 2004, 428, 167-171.	27.8	114
51	Stabilization of chaotic and non-permanent food-web dynamics. European Physical Journal B, 2004, 38, 297-303.	1.5	158
52	Limits to Trophic Levels and Omnivory in Complex Food Webs: Theory and Data. American Naturalist, 2004, 163, 458-468.	2.1	267
53	Network structure and robustness of marine food webs. Marine Ecology - Progress Series, 2004, 273, 291-302.	1.9	322
54	ESTIMATING SPECIES RICHNESS: SENSITIVITY TO SAMPLE COVERAGE AND INSENSITIVITY TO SPATIAL PATTERNS. Ecology, 2003, 84, 2364-2377.	3.2	271

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55	Comment on "Foraging Adaptation and the Relationship Between Food-Web Complexity and Stability". Science, 2003, 301, 918b-918.	12.6	59
56	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
57	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
58	Network structure and biodiversity loss in food webs: robustness increases with connectance. Ecology Letters, 2002, 5, 558-567.	6.4	1,344
59	Predators, parasitoids and pathogens: species richness, trophic generality and body sizes in a natural food web. Journal of Animal Ecology, 2000, 69, 1-15.	2.8	267
60	Simple rules yield complex food webs. Nature, 2000, 404, 180-183.	27.8	1,166
61	TROPHIC RANK AND THE SPECIESâ€“AREA RELATIONSHIP. Ecology, 1999, 80, 1495-1504.	3.2	306
62	EFFECTS OF SAMPLING EFFORT ON CHARACTERIZATION OF FOOD-WEB STRUCTURE. Ecology, 1999, 80, 1044-1055.	3.2	231
63	Source food webs as estimators of community web structure. Acta Oecologica, 1997, 18, 575-586.	1.1	11
64	Causes and Effects in Food Webs: Do Generalities Exist?. , 1996, , 179-184.		2
65	Scale and Food-Web Structure: From Local to Global. Oikos, 1995, 73, 148.	2.7	70
66	Unifying Ecological Subdisciplines with Ecosystem Food Webs. , 1995, , 166-175.		17
67	Scale-Dependent Constraints on Food-Web Structure. American Naturalist, 1994, 144, 935-953.	2.1	94
68	Effect of Scale on Food Web Structure. Science, 1993, 260, 242-243.	12.6	85
69	Effects of Resolution on Food Web Structure. Oikos, 1993, 66, 403.	2.7	108
70	Constant Connectance in Community Food Webs. American Naturalist, 1992, 139, 1208-1218.	2.1	359
71	Artifacts or Attributes? Effects of Resolution on the Little Rock Lake Food Web. Ecological Monographs, 1991, 61, 367-392.	5.4	594