J N Holland

List of Publications by Year in descending order

49 papers	3,007 citations	218592 26 h-index	223716 46 g-index
49 all docs	49 docs citations	49 times ranked	3001 citing authors

#	Article	IF	Citations
1	Herbivore-induced changes in plant carbon allocation: assessment of below-ground C fluxes using carbon-14. Oecologia, 1996, 107, 87-94.	0.9	277
2	Network structural properties mediate the stability of mutualistic communities. Ecology Letters, 2008, 11, 208-216.	3.0	275
3	Population Dynamics and Mutualism: Functional Responses of Benefits and Costs. American Naturalist, 2002, 159, 231-244.	1.0	240
4	Quantitative synthesis of context dependency in antâ€“plant protection mutualisms. Ecology, 2009, 90, 2384-2392.	1.5	198
5	A consumerâ€“resource approach to the densityâ€dependent population dynamics of mutualism. Ecology, 2010, 91, 1286-1295.	1.5	197
6	ANT BODY SIZE PREDICTS DISPERSAL DISTANCE OF ANT-ADAPTED SEEDS: IMPLICATIONS OF SMALL-ANT INVASIONS. Ecology, 2004, 85, 1244-1250.	1.5	160
7	The evolution of obligate pollination mutualisms: senita cactus and senita moth. Oecologia, 1998, 114, 368-375.	0.9	149
8	SONORAN DESERT COLUMNAR CACTI AND THE EVOLUTION OF GENERALIZED POLLINATION SYSTEMS. Ecological Monographs, 2001, 71, 511-530.	2.4	144
9	Shifting species interactions in terrestrial dryland ecosystems under altered water availability and climate change. Biological Reviews, 2012, 87, 563-582.	4.7	141
10	Consumerâ€resource theory predicts dynamic transitions between outcomes of interspecific interactions. Ecology Letters, 2009, 12, 1357-1366.	3.0	119
11	MUTUALISTIC INTERACTIONS BETWEENUPIGA VIRESCENS(PYRALIDAE), A POLLINATING SEED-CONSUMER, ANDLOPHOCEREUS SCHOTTII(CACTACEAE). Ecology, 1999, 80, 2074-2084.	1.5	76
12	Abiotic factors shape temporal variation in the structure of an antâ€“plant network. Arthropod-Plant Interactions, 2012, 6, 289-295.	0.5	69
13	Evolutionary stability of mutualism: interspecific population regulation as an evolutionarily stable strategy. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 1807-1814.	1.2	65
14	Optimal defence theory predicts investment in extrafloral nectar resources in an antâ€“plant mutualism. Journal of Ecology, 2009, 97, 89-96.	1.9	59
15	Population dynamics and the ecological stability of obligate pollination mutualisms. Oecologia, 2001, 126, 575-586.	0.9	57
16	Testing hypotheses for excess flower production and low fruit-to-flower ratios in a pollinating seed-consuming mutualism. Oikos, 2004, 105, 633-640.	1.2	55
17	Effect of print layer height on the assessment of 3D-printed models. American Journal of Orthodontics and Dentofacial Orthopedics, 2019, 156, 283-289.	0.8	53
18	DENSITYâ€MEDIATED, CONTEXTâ€DEPENDENT CONSUMERâ€“RESOURCE INTERACTIONS BETWEEN ANTS AND EXTRAFLORAL NECTAR PLANTS. Ecology, 2008, 89, 1364-1374.	1.5	52

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19	Co-pollinators and specialization in the pollinating seed-consumer mutualism between senita cacti and senita moths. Oecologia, 2002, 133, 534-540.	0.9	46
20	Body size predicts degree in antâ€“plant mutualistic networks. Functional Ecology, 2009, 23, 196-202.	1.7	43
21	Comment on "Asymmetric Coevolutionary Networks Facilitate Biodiversity Maintenance". Science, 2006, 313, 1887b-1887b.	6.0	38
22	Do extrafloral nectar resources, species abundances, and body sizes contribute to the structure of antâ€“plant mutualistic networks?. Oecologia, 2010, 164, 741-750.	0.9	36
23	ECOLOGICAL AND EVOLUTIONARY MECHANISMS FOR LOW SEED : OVULE RATIOS: NEED FOR A PLURALISTIC APPROACH?. Ecology, 2007, 88, 706-715.	1.5	31
24	Geographic and population variation in pollinating seed-consuming interactions between senita cacti (Lophocereus schottii) and senita moths (Upiga virescens). Oecologia, 1999, 121, 405-410.	0.9	29
25	Benefits and costs of mutualism: demographic consequences in a pollinating seedâ€“consumer interaction. Proceedings of the Royal Society B: Biological Sciences, 2002, 269, 1405-1412.	1.2	29
26	Ecological and Evolutionary Conditions for Fruit Abortion to Regulate Pollinating Seed-Eaters and Increase Plant Reproduction. Theoretical Population Biology, 2002, 61, 251-263.	0.5	28
27	Hierarchical effects of rainfall, nurse plants, granivory and seed banks on cactus recruitment. Journal of Vegetation Science, 2013, 24, 1053-1061.	1.1	27
28	Consequences of ants and extrafloral nectar for a pollinating seedâ€consuming mutualism: ant satiation, floral distraction or plant defense?. Oikos, 2011, 120, 381-388.	1.2	26
29	Interspecific population regulation and the stability of mutualism: fruit abortion and density-dependent mortality of pollinating seed-eating insects. Oikos, 2006, 113, 563-571.	1.2	25
30	Effect of build angle and layer height on the accuracy of 3-dimensional printed dental models. American Journal of Orthodontics and Dentofacial Orthopedics, 2021, 160, 451-458.e2.	0.8	25
31	Active pollination drives selection for reduced pollenâ€ovule ratios. American Journal of Botany, 2020, 107, 164-170.	0.8	22
32	Tolerance mechanisms in North American deserts: Biological and societal approaches to climate change. Journal of Arid Environments, 2011, 75, 681-687.	1.2	21
33	Consumerâ€“resource dynamics of indirect interactions in a mutualismâ€“parasitism food web module. Theoretical Ecology, 2013, 6, 475-493.	0.4	21
34	Temporal variation in extrafloral nectar secretion by reproductive tissues of the senita cactus, Pachycereus schottii (Cactaceae), in the Sonoran Desert of Mexico. Journal of Arid Environments, 2010, 74, 712-714.	1.2	19
35	Uni-directional consumerâ€“resource theory characterizing transitions of interaction outcomes. Ecological Complexity, 2011, 8, 249-257.	1.4	19
36	Uni-directional Interaction and Plantâ€“Pollinatorâ€“Robber Coexistence. Bulletin of Mathematical Biology, 2012, 74, 2142-2164.	0.9	19

#	Article	IF	Citations
37	Mutualistic Interactions between Upiga virescens (Pyralidae), a Pollinating Seed-Consumer, and Lophocereus Schottii (Cactaceae). Ecology, 1999, 80, 2074.	1.5	18
38	Population ecology of mutualism. , 2015, , 133-158.		17
39	Medical and Dental Electronic Health Record Reporting Discrepancies in Integrated Patient Care. JDR Clinical and Translational Research, 2020, 5, 278-283.	1.1	16
40	Emergence of ratio-dependent and predator-dependent functional responses for pollination mutualism and seed parasitism. Ecological Modelling, 2006, 191, 551-556.	1.2	15
41	Mutualism. , 2008, , 2485-2491.		14
42	Effects of Pollen Load and Donor Diversity on Seed and Fruit Mass in the Columnar Cactus, Pachycereus schottii (Cactaceae). International Journal of Plant Sciences, 2009, 170, 467-475.	0.6	9
43	Methods and timing of curricular integration in U.S. dental education in preparation for the Integrated National Board Dental Examination. Journal of Dental Education, 2021, 85, 359-369.	0.7	8
44	Dynamics of an antâ€“plant-pollinator model. Communications in Nonlinear Science and Numerical Simulation, 2015, 20, 950-964.	1.7	6
45	Sonoran Desert Columnar Cacti and the Evolution of Generalized Pollination Systems. Ecological Monographs, 2001, 71, 511.	2.4	6
46	When should sleep bruxism be considered in the diagnosis of temporomandibular disorders?. Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, 2020, 130, 645-650.	0.2	4
47	Life Cycle and Growth of Senita Moths (Lepidoptera: Pyralidae): A Lepidopteran with Less Than Four Instars?. Annals of the Entomological Society of America, 2003, 96, 519-523.	1.3	3
48	Assessment of Critical Thinking in a First-Year Dental Curriculum. Medical Science Educator, 2020, 30, 367-374.	0.7	1
49	Emergence of functional responses from interactions of individuals. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 2008, 30, 272-274.	0.1	0