

# David Claessen

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

1,951  
citations

331670

21  
h-index

377865

34  
g-index

36  
all docs

36  
docs citations

36  
times ranked

2015  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dwarfs and Giants: Cannibalism and Competition in Size-Structured Populations. <i>American Naturalist</i> , 2000, 155, 219-237.	2.1	263
2	Population dynamic theory of size-dependent cannibalism. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, 333-340.	2.6	220
3	Gigantic cannibals driving a whole-lake trophic cascade. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 4035-4039.	7.1	156
4	THE IMPACT OF SIZE-DEPENDENT PREDATION ON POPULATION DYNAMICS AND INDIVIDUAL LIFE HISTORY. <i>Ecology</i> , 2002, 83, 1660-1675.	3.2	145
5	Food-Dependent Growth Leads to Overcompensation in Stage-Specific Biomass When Mortality Increases: The Influence of Maturation versus Reproduction Regulation. <i>American Naturalist</i> , 2007, 170, E59-E76.	2.1	119
6	Simplifying a physiologically structured population model to a stage-structured biomass model. <i>Theoretical Population Biology</i> , 2008, 73, 47-62.	1.1	99
7	CANNIBALISM IN A SIZE-STRUCTURED POPULATION: ENERGY EXTRACTION AND CONTROL. <i>Ecological Monographs</i> , 2004, 74, 135-157.	5.4	80
8	Temperature-Driven Regime Shifts in the Dynamics of Size-Structured Populations. <i>American Naturalist</i> , 2011, 177, 211-223.	2.1	76
9	Which traits promote persistence of feral GM crops? Part 1: implications of environmental stochasticity. <i>Oikos</i> , 2005, 110, 20-29.	2.7	72
10	Bistability in a size-structured population model of cannibalistic fish—a continuation study. <i>Theoretical Population Biology</i> , 2003, 64, 49-65.	1.1	59
11	Which traits promote persistence of feral GM crops? Part 2: implications of metapopulation structure. <i>Oikos</i> , 2005, 110, 30-42.	2.7	55
12	Stage-specific biomass overcompensation by juveniles in response to increased adult mortality in a wild fish population. <i>Ecology</i> , 2011, 92, 2175-2182.	3.2	55
13	Evolution of Virulence in a Host-Pathogen System with Local Pathogen Transmission. <i>Oikos</i> , 1995, 74, 401.	2.7	46
14	Body downsizing caused by non-consumptive social stress severely depresses population growth rate. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 843-851.	2.6	46
15	The Size Dependence of Phytoplankton Growth Rates: A Trade-Off between Nutrient Uptake and Metabolism. <i>American Naturalist</i> , 2017, 189, 170-177.	2.1	46
16	Interference versus Exploitative Competition in the Regulation of Size-Structured Populations. <i>American Naturalist</i> , 2014, 184, 609-623.	2.1	42
17	ADAPTIVE RADIATION DRIVEN BY THE INTERPLAY OF ECO-EVOLUTIONARY AND LANDSCAPE DYNAMICS. <i>Evolution; International Journal of Organic Evolution</i> , 2012, 67, no-no.	2.3	39
18	Stabilization of Population Fluctuations due to Cannibalism Promotes Resource Polymorphism in Fish. <i>American Naturalist</i> , 2007, 169, 820-829.	2.1	36

#	ARTICLE	IF	CITATIONS
19	Does the Latent Period of Leaf Fungal Pathogens Reflect Their Trophic Type? A Meta-Analysis of Biotrophs, Hemibiotrophs, and Necrotrophs. <i>Phytopathology</i> , 2020, 110, 345-361.	2.2	34
20	Ecological speciation in dynamic landscapes. <i>Journal of Evolutionary Biology</i> , 2011, 24, 2663-2677.	1.7	29
21	Bifurcation analysis of an agent-based model for predator-prey interactions. <i>Ecological Modelling</i> , 2015, 317, 93-106.	2.5	27
22	Disentangling the effects of predator body size and prey density on prey consumption in a lizard. <i>Functional Ecology</i> , 2011, 25, 158-165.	3.6	25
23	The Implications of Eco-Evolutionary Processes for the Emergence of Marine Plankton Community Biogeography. <i>American Naturalist</i> , 2017, 190, 116-130.	2.1	25
24	Allele fixation in a dynamic metapopulation: Founder effects vs refuge effects. <i>Theoretical Population Biology</i> , 2009, 76, 105-117.	1.1	22
25	When everything is not everywhere but species evolve: an alternative method to model adaptive properties of marine ecosystems. <i>Journal of Plankton Research</i> , 2015, 37, 28-47.	1.8	20
26	Alternative Life-History Pathways and the Elasticity of Stochastic Matrix Models. <i>American Naturalist</i> , 2005, 165, E27-E35.	2.1	17
27	The Effect of Population Size and Recombination on Delayed Evolution of Polymorphism and Speciation in Sexual Populations. <i>American Naturalist</i> , 2008, 172, E18-E34.	2.1	16
28	Modelling interaction dynamics between two foliar pathogens in wheat: a multi-scale approach. <i>Annals of Botany</i> , 2018, 121, 927-940.	2.9	16
29	From individuals to populations: How intraspecific competition shapes thermal reaction norms. <i>Functional Ecology</i> , 2020, 34, 669-683.	3.6	15
30	Population and Life-History Consequences of Within-Cohort Individual Variation. <i>American Naturalist</i> , 2011, 178, 525-537.	2.1	13
31	Crop Fertilization Impacts Epidemics and Optimal Latent Period of Biotrophic Fungal Pathogens. <i>Phytopathology</i> , 2017, 107, 1256-1267.	2.2	13
32	Pathogens trigger top-down climate forcing on ecosystem dynamics. <i>Oecologia</i> , 2016, 181, 519-532.	2.0	10
33	Bioenergetics, overcompensation, and the source-sink status of marine reserves. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2009, 66, 1059-1071.	1.4	6
34	Under which conditions is character displacement a likely outcome of secondary contact?. <i>Journal of Biological Dynamics</i> , 2011, 5, 135-146.	1.7	5
35	Adaptation of Biotrophic Leaf Pathogens to Fertilization-Mediated Changes in Plant Traits: A Comparison of the Optimization Principle to Invasion Fitness. <i>Phytopathology</i> , 2020, 110, 1039-1048.	2.2	3