

# Mark Novak

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

4,078  
citations

331670

21  
h-index

254184

43  
g-index

59  
all docs

59  
docs citations

59  
times ranked

6592  
citing authors

#	ARTICLE	IF	CITATIONS
1	Kelp-forest dynamics controlled by substrate complexity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	8
2	Hidden layers of density dependence in consumer feeding rates. <i>Ecology Letters</i> , 2021, 24, 520-532.	6.4	18
3	Quantifying the effects of intraspecific variation on predator feeding rates through nonlinear averaging. <i>Functional Ecology</i> , 2021, 35, 1560-1571.	3.6	9
4	Collective behaviour can stabilize ecosystems. <i>Nature Ecology and Evolution</i> , 2021, 5, 1435-1440.	7.8	9
5	Trematode parasites exceed aquatic insect biomass in Oregon stream food webs. <i>Journal of Animal Ecology</i> , 2021, 90, 766-775.	2.8	19
6	Systematic bias in studies of consumer functional responses. <i>Ecology Letters</i> , 2021, 24, 580-593.	6.4	28
7	Geometric Complexity and the Information-Theoretic Comparison of Functional-Response Models. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	2.2	6
8	Temporal shifts in intraspecific and interspecific diet variation among 3 stream predators. <i>Freshwater Science</i> , 2020, 39, 115-125.	1.8	12
9	Foodâ€web interaction strength distributions are conserved by greater variation between than within predatorâ€prey pairs. <i>Ecology</i> , 2019, 100, e02816.	3.2	8
10	The intrinsic predictability of ecological time series and its potential to guide forecasting. <i>Ecological Monographs</i> , 2019, 89, e01359.	5.4	74
11	PISCO: Advances Made Through the Formation of a Large-Scale, Long-Term Consortium for Integrated Understanding of Coastal Ecosystem Dynamics. <i>Oceanography</i> , 2019, 32, 16-25.	1.0	7
12	Planning for Change: Assessing the Potential Role of Marine Protected Areas and Fisheries Management Approaches for Resilience Management in a Changing Ocean. <i>Oceanography</i> , 2019, 32, 116-125.	1.0	13
13	Exact probabilities for the indeterminacy of complex networks as perceived through press perturbations. <i>Journal of Mathematical Biology</i> , 2018, 76, 877-909.	1.9	6
14	What drives interaction strengths in complex food webs? A test with feeding rates of a generalist stream predator. <i>Ecology</i> , 2018, 99, 1591-1601.	3.2	31
15	Rapid and direct recoveries of predators and prey through synchronized ecosystem management. <i>Nature Ecology and Evolution</i> , 2017, 1, 68.	7.8	39
16	Bayesian characterization of uncertainty in species interaction strengths. <i>Oecologia</i> , 2017, 184, 327-339.	2.0	12
17	Quantifying predator dependence in the functional response of generalist predators. <i>Ecology Letters</i> , 2017, 20, 761-769.	6.4	41
18	The application of Bayesian hierarchical models to quantify individual diet specialization. <i>Ecology</i> , 2017, 98, 1535-1547.	3.2	17

#	ARTICLE	IF	CITATIONS
19	Long-Term Studies Contribute Disproportionately to Ecology and Policy. <i>BioScience</i> , 2017, 67, 271-281.	4.9	226
20	Using Survival Models to Estimate Invertebrate Prey Identification Times in a Generalist Stream Fish. <i>Transactions of the American Fisheries Society</i> , 2017, 146, 1303-1314.	1.4	14
21	Experimental demonstration of a trophic cascade in the Galpagos rocky subtidal: Effects of consumer identity and behavior. <i>PLoS ONE</i> , 2017, 12, e0175705.	2.5	8
22	Ecosystem context and historical contingency in apex predator recoveries. <i>Science Advances</i> , 2016, 2, e1501769.	10.3	61
23	Characterizing Species Interactions to Understand Press Perturbations: What Is the Community Matrix?. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2016, 47, 409-432.	8.3	89
24	Complexity Increases Predictability in Allometrically Constrained Food Webs. <i>American Naturalist</i> , 2016, 188, 87-98.	2.1	29
25	Global patterns of kelp forest change over the past half-century. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 13785-13790.	7.1	511
26	Selection on stability across ecological scales. <i>Trends in Ecology and Evolution</i> , 2015, 30, 417-425.	8.7	86
27	Timescales alter the inferred strength and temporal consistency of intraspecific diet specialization. <i>Oecologia</i> , 2015, 178, 61-74.	2.0	38
28	Where does the time go?: Mixing and the depth-dependent distribution of fossil ages. <i>Geology</i> , 2015, 43, 487-490.	4.4	36
29	An Online Database for Informing Ecological Network Models: <a href="http://kelpforest.ucsc.edu">http://kelpforest.ucsc.edu</a> . <i>PLoS ONE</i> , 2014, 9, e109356.	2.5	17
30	A multi-decade time series of kelp forest community structure at San Nicolas Island, California (USA). <i>Ecology</i> , 2013, 94, 2654-2654.	3.2	18
31	Trophic omnivory across a productivity gradient: intraguild predation theory and the structure and strength of species interactions. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20131415.	2.6	21
32	Probabilistic patterns of interaction: the effects of link-strength variability on food web structure. <i>Journal of the Royal Society Interface</i> , 2012, 9, 3219-3228.	3.4	14
33	Using the functional response of a consumer to predict biotic resistance to invasive prey. <i>Ecological Applications</i> , 2012, 22, 1162-1171.	3.8	46
34	Structure and mechanism of diet specialisation: testing models of individual variation in resource use with sea otters. <i>Ecology Letters</i> , 2012, 15, 475-483.	6.4	146
35	Why intraspecific trait variation matters in community ecology. <i>Trends in Ecology and Evolution</i> , 2011, 26, 183-192.	8.7	1,809
36	Merging Resource Availability with Isotope Mixing Models: The Role of Neutral Interaction Assumptions. <i>PLoS ONE</i> , 2011, 6, e22015.	2.5	26

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37	Nestedness patterns and the dual nature of community reassembly in California streams: a multivariate permutation-based approach. <i>Global Change Biology</i> , 2011, 17, 3714-3723.	9.5	13
38	Predicting community responses to perturbations in the face of imperfect knowledge and network complexity. <i>Ecology</i> , 2011, 92, 836-846.	3.2	96
39	Generalized modeling of ecological population dynamics. <i>Theoretical Ecology</i> , 2011, 4, 179-194.	1.0	33
40	Using experimental indices to quantify the strength of species interactions. <i>Oikos</i> , 2010, 119, 1057-1063.	2.7	48
41	Estimating interaction strengths in nature: experimental support for an observational approach. <i>Ecology</i> , 2010, 91, 2394-2405.	3.2	52
42	ESTIMATING NONLINEAR INTERACTION STRENGTHS: AN OBSERVATION-BASED METHOD FOR SPECIES-RICH FOOD WEBS. <i>Ecology</i> , 2008, 89, 2083-2089.	3.2	46
43	UNDERSTANDING AND PREDICTING ECOLOGICAL DYNAMICS: ARE MAJOR SURPRISES INEVITABLE. <i>Ecology</i> , 2008, 89, 952-961.	3.2	222
44	PressPurt: network sensitivity to press perturbations under interaction uncertainty. <i>F1000Research</i> , 0, 11, 173.	1.6	0
45	Effects of predator novelty on intraguild predation communities with adaptive prey defense. <i>Theoretical Ecology</i> , 0, , .	1.0	1