

David A Vasseur

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

5,040
citations

236925

25
h-index

233421

45
g-index

48
all docs

48
docs citations

48
times ranked

6618
citing authors

#	ARTICLE	IF	CITATIONS
1	Why intraspecific trait variation matters in community ecology. <i>Trends in Ecology and Evolution</i> , 2011, 26, 183-192.	8.7	1,809
2	Increased temperature variation poses a greater risk to species than climate warming. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20132612.	2.6	674
3	THE COLOR OF ENVIRONMENTAL NOISE. <i>Ecology</i> , 2004, 85, 1146-1152.	3.2	342
4	A Mechanistic Approach for Modeling Temperature-Dependent Consumer-Resource Dynamics. <i>American Naturalist</i> , 2005, 166, 184-198.	2.1	289
5	A bioenergetic framework for the temperature dependence of trophic interactions. <i>Ecology Letters</i> , 2014, 17, 902-914.	6.4	268
6	SPECTRAL ANALYSIS UNMASKS SYNCHRONOUS AND COMPENSATORY DYNAMICS IN PLANKTON COMMUNITIES. <i>Ecology</i> , 2007, 88, 2058-2071.	3.2	125
7	Eco-Evolutionary Dynamics Enable Coexistence via Neighbor-Dependent Selection. <i>American Naturalist</i> , 2011, 178, E96-E109.	2.1	123
8	Phase-locking and environmental fluctuations generate synchrony in a predator-prey community. <i>Nature</i> , 2009, 460, 1007-1010.	27.8	121
9	The Body Size Dependence of Trophic Cascades. <i>American Naturalist</i> , 2015, 185, 354-366.	2.1	110
10	Mutual interference is common and mostly intermediate in magnitude. <i>BMC Ecology</i> , 2011, 11, 1.	3.0	95
11	Life in the Frequency Domain: the Biological Impacts of Changes in Climate Variability at Multiple Time Scales. <i>Integrative and Comparative Biology</i> , 2016, 56, 14-30.	2.0	95
12	Character Convergence under Competition for Nutritionally Essential Resources. <i>American Naturalist</i> , 2008, 172, 667-680.	2.1	83
13	A seasonal alternation of coherent and compensatory dynamics occurs in phytoplankton. <i>Oikos</i> , 2005, 110, 507-514.	2.7	73
14	Environmental fluctuations can stabilize food web dynamics by increasing synchrony. <i>Ecology Letters</i> , 2007, 10, 1066-1074.	6.4	65
15	Competition and the density dependence of metabolic rates. <i>Journal of Animal Ecology</i> , 2014, 83, 51-58.	2.8	53
16	Opportunities for behavioral rescue under rapid environmental change. <i>Global Change Biology</i> , 2019, 25, 3110-3120.	9.5	53
17	A dynamic explanation of size-density scaling in carnivores. <i>Ecology</i> , 2012, 93, 470-476.	3.2	52
18	Synchronous dynamics of zooplankton competitors prevail in temperate lake ecosystems. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20140633.	2.6	50

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19	Trait adaptation promotes species coexistence in diverse predator and prey communities. <i>Ecology and Evolution</i> , 2016, 6, 4141-4159.	1.9	49
20	Phase locking, the Moran effect and distance decay of synchrony: experimental tests in a model system. <i>Ecology Letters</i> , 2011, 14, 163-168.	6.4	47
21	Predator-prey dynamics and the plasticity of predator body size. <i>Functional Ecology</i> , 2014, 28, 487-493.	3.6	46
22	Gradual plasticity alters population dynamics in variable environments: thermal acclimation in the green alga <i>Chlamydomonas reinhardtii</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20171942.	2.6	46
23	Size-density scaling in protists and the links between consumer-resource interaction parameters. <i>Journal of Animal Ecology</i> , 2012, 81, 1193-1201.	2.8	40
24	Functionally similar species have similar dynamics. <i>Journal of Ecology</i> , 2011, 99, 1453-1459.	4.0	31
25	Consistent scaling of persistence time in metapopulations. <i>Ecology</i> , 2012, 93, 1214-1227.	3.2	30
26	Linked exploitation and interference competition drives the variable behavior of a classic predator-prey system. <i>Oikos</i> , 2013, 122, 1393-1400.	2.7	26
27	Environmental colour intensifies the Moran effect when population dynamics are spatially heterogeneous. <i>Oikos</i> , 2007, 116, 1726-1736.	2.7	25
28	Populations embedded in trophic communities respond differently to coloured environmental noise. <i>Theoretical Population Biology</i> , 2007, 72, 186-196.	1.1	24
29	Adaptive Dynamics of Competition for Nutritionally Complementary Resources: Character Convergence, Displacement, and Parallelism. <i>American Naturalist</i> , 2011, 178, 501-514.	2.1	22
30	Coexistence via Resource Partitioning Fails to Generate an Increase in Community Function. <i>PLoS ONE</i> , 2012, 7, e30081.	2.5	20
31	Synthesizing the effects of individual-level variation on coexistence. <i>Ecological Monographs</i> , 2022, 92, .	5.4	19
32	Resolving the consequences of gradual phenotypic plasticity for populations in variable environments. <i>Ecological Monographs</i> , 2021, 91, e01478.	5.4	17
33	Coexistence and emergent neutrality generate synchrony among competitors in fluctuating environments. <i>Theoretical Ecology</i> , 2016, 9, 353-363.	1.0	16
34	Nonlinear Effect of Dispersal Rate on Spatial Synchrony of Predator-Prey Cycles. <i>PLoS ONE</i> , 2013, 8, e79527.	2.5	15
35	Thermal variability alters the impact of climate warming on consumer-resource systems. <i>Ecology</i> , 2016, 97, 1690-1699.	3.2	12
36	Temporally Autocorrelated Environmental Fluctuations Inhibit the Evolution of Stress Tolerance. <i>American Naturalist</i> , 2018, 191, E195-E207.	2.1	12

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37	Uncertainty in geographical estimates of performance and fitness. <i>Methods in Ecology and Evolution</i> , 2018, 9, 1996-2008.	5.2	11
38	Variability patterns differ between standing stock and process rates. <i>Oikos</i> , 2011, 120, 17-25.	2.7	9
39	The interplay between host community structure and pathogen life-history constraints in driving the evolution of host-range shifts. <i>Functional Ecology</i> , 2019, 33, 2338-2353.	3.6	9
40	Seasonal Variations Alter the Impact of Functional Traits on Plankton Dynamics. <i>PLoS ONE</i> , 2012, 7, e51257.	2.5	9
41	Thermal acclimation influences the growth and toxin production of freshwater cyanobacteria. <i>Limnology and Oceanography Letters</i> , 2022, 7, 34-42.	3.9	8
42	Environmental fluctuations promote intraspecific diversity and population persistence via inflationary effects. <i>Oikos</i> , 2016, 125, 1173-1181.	2.7	6
43	Variation cascades: resource pulses and top-down effects across time scales. <i>Ecology</i> , 2021, 102, e03277.	3.2	4
44	Nutrient limitation can explain a rapid transition to synchrony in an upwelling-driven diatom community. <i>Limnology and Oceanography</i> , 2022, 67, .	3.1	4
45	Differential predation drives overyielding of prey species in a patchy environment. <i>Oikos</i> , 2014, 123, 79-88.	2.7	2
46	How Does Evolutionary History Alter the Relationship between Biodiversity and Ecosystem Function?. , 2015, , 53-73.		1
47	Intraspecific variation promotes coexistence under competition for essential resources. <i>Theoretical Ecology</i> , 0, , .	1.0	0