David A Vasseur

List of Publications by Year
in descending order

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47 papers	5,040 citations	236612 25 h-index	233125 45 g-index
48 all docs	48 docs citations	48 times ranked	6618 citing authors

#	Article	IF	Citations
1	Thermal acclimation influences the growth and toxin production of freshwater cyanobacteria. Limnology and Oceanography Letters, 2022, 7, 34-42.	1.6	8
2	Synthesizing the effects of individualâ€level variation on coexistence. Ecological Monographs, 2022, 92, .	2.4	19
3	Nutrient limitation can explain a rapid transition to synchrony in an upwellingâ€driven diatom community. Limnology and Oceanography, 2022, 67, .	1.6	4
4	Variation cascades: resource pulses and topâ€down effects across time scales. Ecology, 2021, 102, e03277.	1.5	4
5	Resolving the consequences of gradual phenotypic plasticity for populations in variable environments. Ecological Monographs, 2021, 91, e01478.	2.4	17
6	The interplay between host community structure and pathogen lifeâ€history constraints in driving the evolution of hostâ€range shifts. Functional Ecology, 2019, 33, 2338-2353.	1.7	9
7	Opportunities for behavioral rescue under rapid environmental change. Global Change Biology, 2019, 25, 3110-3120.	4.2	53
8	Gradual plasticity alters population dynamics in variable environments: thermal acclimation in the green alga Chlamydomonas reinhartdii. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20171942.	1.2	46
9	Temporally Autocorrelated Environmental Fluctuations Inhibit the Evolution of Stress Tolerance. American Naturalist, 2018, 191, E195-E207.	1.0	12
10	Uncertainty in geographical estimates of performance and fitness. Methods in Ecology and Evolution, 2018, 9, 1996-2008.	2.2	11
11	Trait adaptation promotes species coexistence in diverse predator and prey communities. Ecology and Evolution, 2016, 6, 4141-4159.	0.8	49
12	Thermal variability alters the impact of climate warming on consumerâ€“resource systems. Ecology, 2016, 97, 1690-1699.	1.5	12
13	Life in the Frequency Domain: the Biological Impacts of Changes in Climate Variability at Multiple Time Scales. Integrative and Comparative Biology, 2016, 56, 14-30.	0.9	95
14	Environmental fluctuations promote intraspecific diversity and population persistence via inflationary effects. Oikos, 2016, 125, 1173-1181.	1.2	6
15	Coexistence and emergent neutrality generate synchrony among competitors in fluctuating environments. Theoretical Ecology, 2016, 9, 353-363.	0.4	16
16	How Does Evolutionary History Alter the Relationship between Biodiversity and Ecosystem Function?. , 2015, , 53-73.		1
17	The Body Size Dependence of Trophic Cascades. American Naturalist, 2015, 185, 354-366.	1.0	110
18	Predatorâ€“prey dynamics and the plasticity of predator body size. Functional Ecology, 2014, 28, 487-493.	1.7	46

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19	Differential predation drives overyielding of prey species in a patchy environment. Oikos, 2014, 123, 79-88.	1.2	2
20	Increased temperature variation poses a greater risk to species than climate warming. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20132612.	1.2	674
21	Synchronous dynamics of zooplankton competitors prevail in temperate lake ecosystems. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20140633.	1.2	50
22	A bioenergetic framework for the temperature dependence of trophic interactions. Ecology Letters, 2014, 17, 902-914.	3.0	268
23	Competition and the density dependence of metabolic rates. Journal of Animal Ecology, 2014, 83, 51-58.	1.3	53
24	Linked exploitation and interference competition drives the variable behavior of a classic predatorâ€“prey system. Oikos, 2013, 122, 1393-1400.	1.2	26
25	Nonlinear Effect of Dispersal Rate on Spatial Synchrony of Predator-Prey Cycles. PLoS ONE, 2013, 8, e79527.	1.1	15
26	A dynamic explanation of sizeâ€“density scaling in carnivores. Ecology, 2012, 93, 470-476.	1.5	52
27	Consistent scaling of persistence time in metapopulations. Ecology, 2012, 93, 1214-1227.	1.5	30
28	Coexistence via Resource Partitioning Fails to Generate an Increase in Community Function. PLoS ONE, 2012, 7, e30081.	1.1	20
29	Sizeâ€ddensity scaling in protists and the links between consumerâ€“resource interaction parameters. Journal of Animal Ecology, 2012, 81, 1193-1201.	1.3	40
30	Seasonal Variations Alter the Impact of Functional Traits on Plankton Dynamics. PLoS ONE, 2012, 7, e51257.	1.1	9
31	Eco-Evolutionary Dynamics Enable Coexistence via Neighbor-Dependent Selection. American Naturalist, 2011, 178, E96-E109.	1.0	123
32	Why intraspecific trait variation matters in community ecology. Trends in Ecology and Evolution, 2011, 26, 183-192.	4.2	1,809
33	Phase locking, the Moran effect and distance decay of synchrony: experimental tests in a model system. Ecology Letters, 2011, 14, 163-168.	3.0	47
34	Functionally similar species have similar dynamics. Journal of Ecology, 2011, 99, 1453-1459.	1.9	31
35	Variability patterns differ between standing stock and process rates. Oikos, 2011, 120, 17-25.	1.2	9
36	Mutual interference is common and mostly intermediate in magnitude. BMC Ecology, 2011, 11, 1.	3.0	95

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37	Adaptive Dynamics of Competition for Nutritionally Complementary Resources: Character Convergence, Displacement, and Parallelism. American Naturalist, 2011, 178, 501-514.	1.0	22
38	Phase-locking and environmental fluctuations generate synchrony in a predatorâ€“prey community. Nature, 2009, 460, 1007-1010.	13.7	121
39	Character Convergence under Competition for Nutritionally Essential Resources. American Naturalist, 2008, 172, 667-680.	1.0	83
40	SPECTRAL ANALYSIS UNMASKS SYNCHRONOUS AND COMPENSATORY DYNAMICS IN PLANKTON COMMUNITIES. Ecology, 2007, 88, 2058-2071.	1.5	125
41	Populations embedded in trophic communities respond differently to coloured environmental noise. Theoretical Population Biology, 2007, 72, 186-196.	0.5	24
42	Environmental colour intensifies the Moran effect when population dynamics are spatially heterogeneous. Oikos, 2007, 116, 1726-1736.	1.2	25
43	Environmental fluctuations can stabilize food web dynamics by increasing synchrony. Ecology Letters, 2007, 10, 1066-1074.	3.0	65
44	A seasonal alternation of coherent and compensatory dynamics occurs in phytoplankton. Oikos, 2005, 110, 507-514.	1.2	73
45	A Mechanistic Approach for Modeling Temperatureâ€Dependent Consumerâ€Resource Dynamics. American Naturalist, 2005, 166, 184-198.	1.0	289
46	THE COLOR OF ENVIRONMENTAL NOISE. Ecology, 2004, 85, 1146-1152.	1.5	342
47	Intraspecific variation promotes coexistence under competition for essential resources. Theoretical Ecology, 0, , .	0.4	0