Mark Vellend

List of Publications by Year
in descending order

75 papers	15,455 citations	50244 46 h-index	76872 74 g-index
80 all docs	80 docs citations	80 times ranked	19350 citing authors

#	Article	IF	Citations
1	Directional turnover towards largerâ€ranged plants over time and across habitats. Ecology Letters, 2022, 25, 466-482.	3.0	39
2	Large herbivores trigger spatiotemporal changes in forest plant diversity. Ecology, 2022, 103, e3739.	1.5	7
3	Scaleâ€dependent changes in tree diversity over more than a century in eastern Canada: Landscape diversification and regional homogenization. Journal of Ecology, 2021, 109, 273-283.	1.9	14
4	How the relationship between vegetation cover and land-cover variance constrains biodiversity in a human dominated world. Landscape Ecology, 2021, 36, 3097-3104.	1.9	10
5	Changes in landscapeâ€scale tree biodiversity in the northâ€eastern USA since European settlement. Global Ecology and Biogeography, 2021, 30, 666-673.	2.7	6
6	TRY plant trait database â€“ enhanced coverage and open access. Global Change Biology, 2020, 26, 119-188.	4.2	1,038
7	Soil abiotic and biotic properties constrain the establishment of a dominant temperate tree into boreal forests. Journal of Ecology, 2020, 108, 931-944.	1.9	33
8	Causes and consequences of deer browsing on red trillium (Trillium erectum) along an elevational gradient. Botany, 2020, 98, 469-478.	0.5	2
9	The geography of biodiversity change in marine and terrestrial assemblages. Science, 2019, 366, 339-345.	6.0	385
10	Species richness change across spatial scales. Oikos, 2019, 128, 1079-1091.	1.2	160
11	Stronger influence of anthropogenic disturbance than climate change on century-scale compositional changes in northern forests. Nature Communications, 2019, 10, 1265.	5.8	98
12	Is habitat fragmentation bad for biodiversity?. Biological Conservation, 2019, 230, 179-186.	1.9	329
13	Four decades of plant community change along a continental gradient of warming. Global Change Biology, 2019, 25, 1629-1641.	4.2	26
14	Characterizing the contribution of plasticity and genetic differentiation to communityâ€level trait responses to environmental change. Ecology and Evolution, 2018, 8, 3895-3907.	0.8	32
15	Global environmental change effects on plant community composition trajectories depend upon management legacies. Global Change Biology, 2018, 24, 1722-1740.	4.2	93
16	Herbivory and pollen limitation at the upper elevational range limit of two forest understory plants of eastern North America. Ecology and Evolution, 2018, 8, 892-903.	0.8	11
17	Plant functional trait change across a warming tundra biome. Nature, 2018, 562, 57-62.	13.7	451
18	Environmental DNA Time Series in Ecology. Trends in Ecology and Evolution, 2018, 33, 945-957.	4.2	152

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19	High beta diversity among small islands is due to environmental heterogeneity rather than ecological drift. Journal of Biogeography, 2018, 45, 2252-2261.	1.4	44
20	Plant Biodiversity Change Across Scales During the Anthropocene. Annual Review of Plant Biology, 2017, 68, 563-586.	8.6	179
21	Combining Biodiversity Resurveys across Regions to Advance Global Change Research. BioScience, 2017, 67, 73-83.	2.2	89
22	Longâ€term community change: bryophytes are more responsive than vascular plants to nitrogen deposition and warming. Journal of Vegetation Science, 2017, 28, 1220-1229.	1.1	42
23	Local environment rather than past climate determines community composition of mountain stream macroinvertebrates across Europe. Molecular Ecology, 2017, 26, 6085-6099.	2.0	41
24	Thaw circles around tree trunks provide spring ephemeral plants with a big head start on the growing season. Ecology, 2017, 98, 3224-3226.	1.5	6
25	Estimates of local biodiversity change over time stand up to scrutiny. Ecology, 2017, 98, 583-590.	1.5	106
26	The Biodiversity Conservation Paradox. American Scientist, 2017, 105, 94.	0.1	43
27	Increased seedling establishment via enemy release at the upper elevational range limit of sugar maple. Ecology, 2016, 97, 3058-3069.	1.5	28
28	Understanding context dependence in the contribution of intraspecific variation to community traitâ€“environment matching. Ecology, 2015, 96, 2912-2922.	1.5	62
29	Historical anthropogenic disturbances influence patterns of non-native earthworm and plant invasions in a temperate primary forest. Biological Invasions, 2015, 17, 1267-1281.	1.2	23
30	Flowering time of butterfly nectar food plants is more sensitive to temperature than the timing of butterfly adult flight. Journal of Animal Ecology, 2015, 84, 1311-1321.	1.3	47
31	Elevational shifts, biotic homogenization and time lags in vegetation change during 40 years of climate warming. Ecography, 2015, 38, 546-555.	2.1	129
32	Predicting the sensitivity of butterfly phenology to temperature over the past century. Global Change Biology, 2014, 20, 504-514.	4.2	56
33	Drawing ecological inferences from coincident patterns of populationâ€and communityâ€level biodiversity. Molecular Ecology, 2014, 23, 2890-2901.	2.0	121
34	Non-climatic constraints on upper elevational plant range expansion under climate change. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20141779.	1.2	137
35	Assessing the relative importance of neutral stochasticity in ecological communities. Oikos, 2014, 123, 1420-1430.	1.2	310
36	The ice age ecologist: testing methods for reserve prioritization during the last global warming. Global Ecology and Biogeography, 2013, 22, 289-301.	2.7	47

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37	Gains in native species promote biotic homogenization over four decades in a humanâ€dominated landscape. Journal of Ecology, 2013, 101, 1542-1551.	1.9	79
38	Microclimate moderates plant responses to macroclimate warming. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 18561-18565.	3.3	523
39	Global meta-analysis reveals no net change in local-scale plant biodiversity over time. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 19456-19459.	3.3	464
40	Multidisciplinary synthesis of long-term humanâ€“ecosystem interactions: A perspective from the Garry oak ecosystem of British Columbia. Biological Conservation, 2013, 166, 293-300.	1.9	35
41	Historical ecology: Using unconventional data sources to test for effects of global environmental change. American Journal of Botany, 2013, 100, 1294-1305.	0.8	143
42	Setting conservation priorities when what you see is not what you get. Animal Conservation, 2013, 16, 14-15.	1.5	7
43	Quantifying temporal change in biodiversity: challenges and opportunities. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20121931.	1.2	178
44	Abundance, rarity and invasion debt among exotic species in a patchy ecosystem. Biological Invasions, 2013, 15, 707-716.	1.2	35
45	Genetic diversity in widespread species is not congruent with species richness in alpine plant communities. Ecology Letters, 2012, 15, 1439-1448.	3.0	135
46	Community assembly along a soil depth gradient: contrasting patterns of plant trait convergence and divergence in <scp>a M</scp>editerranean rangeland. Journal of Ecology, 2012, 100, 1422-1433.	1.9	303
47	Eco-evolutionary responses of biodiversity to climate change. Nature Climate Change, 2012, 2, 747-751.	8.1	262
48	Using null models to disentangle variation in community dissimilarity from variation in Î±-diversity. Ecosphere, 2011, 2, art24.	1.0	698
49	â€˜Structured' beta diversity increases with climatic productivity in a classic dataset. Ecosphere, 2011, 2, art11.	1.0	27
50	Navigating the multiple meanings of Î² diversity: a roadmap for the practicing ecologist. Ecology Letters, 2011, 14, 19-28.	3.0	1,899
51	Disentangling the Drivers of Î² Diversity Along Latitudinal and Elevational Gradients. Science, 2011, 333, 1755-1758.	6.0	617
52	Effects of genotype identity and diversity on the invasiveness and invasibility of plant populations. Oecologia, 2010, 162, 371-381.	0.9	67
53	Defining Historical Baselines for Conservation: Ecological Changes Since European Settlement on Vancouver Island, Canada. Conservation Biology, 2010, 24, 1559-1568.	2.4	46
54	Conceptual Synthesis in Community Ecology. Quarterly Review of Biology, 2010, 85, 183-206.	0.0	1,875

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55	Ecological Differentiation among Genotypes of Dandelions (Taraxacum officinale). Weed Science, 2009, 57, 410-416.	0.8	19
56	Using subsets of species in biodiversity surveys. Journal of Applied Ecology, 2008, 45, 161-169.	1.9	66
57	Environmentally biased fragmentation of oak savanna habitat on southeastern Vancouver Island, Canada. Biological Conservation, 2008, 141, 2576-2584.	1.9	42
58	Sex and space destabilize intransitive competition within and between species. Proceedings of the Royal Society B: Biological Sciences, 2008, 275, 1857-1864.	1.2	13
59	Garden plants get a head start on climate change. Frontiers in Ecology and the Environment, 2008, 6, 212-216.	1.9	100
60	Effects of exotic species on evolutionary diversification. Trends in Ecology and Evolution, 2007, 22, 481-488.	4.2	144
61	Homogenization of forest plant communities and weakening of species?environment relationships via agricultural land use. Journal of Ecology, 2007, 95, 565-573.	1.9	300
62	EXTINCTION DEBT OF FOREST PLANTS PERSISTS FOR MORE THAN A CENTURY FOLLOWING HABITAT FRAGMENTATION. Ecology, 2006, 87, 542-548.	1.5	405
63	THE CONSEQUENCES OF GENETIC DIVERSITY IN COMPETITIVE COMMUNITIES. Ecology, 2006, 87, 304-311.	1.5	141
64	Landscape factors and regional differences in recovery rates of herb layer richness in Flanders (Belgium). Landscape Ecology, 2006, 21, 1109-1118.	1.9	25
65	Connections between species diversity and genetic diversity. Ecology Letters, 2005, 8, 767-781.	3.0	424
66	Environmental causes and consequences of forest clearance and agricultural abandonment in central New York, USA. Journal of Biogeography, 2005, 32, 439-452.	1.4	95
67	Recovery of forest plant communities in post-agricultural landscapes. Frontiers in Ecology and the Environment, 2005, 3, 243-250.	1.9	373
68	Biodiversity-Ecosystem Function Research: Is It Relevant to Conservation?. Annual Review of Ecology, Evolution, and Systematics, 2005, 36, 267-294.	3.8	588
69	Species Diversity and Genetic Diversity: Parallel Processes and Correlated Patterns. American Naturalist, 2005, 166, 199-215.	1.0	193
70	METAPOPULATION DYNAMICS IN CHANGING LANDSCAPES: A NEW SPATIALLY REALISTIC MODEL FOR FOREST PLANTS. Ecology, 2004, 85, 3302-3312.	1.5	108
71	PARALLEL EFFECTS OF LAND-USE HISTORY ON SPECIES DIVERSITY AND GENETIC DIVERSITY OF FOREST HERBS. Ecology, 2004, 85, 3043-3055.	1.5	173
72	HABITAT LOSS INHIBITS RECOVERY OF PLANT DIVERSITY AS FORESTS REGROW. Ecology, 2003, 84, 1158-1164.	1.5	111

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73	Island Biogeography of Genes and Species. American Naturalist, 2003, 162, 358-365.	1.0	127
74	DISPERSAL OF TRILLIUM SEEDS BY DEER: IMPLICATIONS FOR LONG-DISTANCE MIGRATION OF FOREST HERBS. Ecology, 2003, 84, 1067-1072.	1.5	206
75	Tree biodiversity in northern forests shows temporal stability over 35â€‰years at different scales, levels, and dimensions. Journal of Ecology, 0, , .	1.9	0