Aaron M Ellison

List of Publications by Year
in descending order

240 papers	18,694 citations	18482 62 h-index	15266 126 g-index
282 all docs	282 docs citations	282 times ranked	20185 citing authors

#	Article	IF	Citations
1	Rarefaction and extrapolation with Hill numbers: a framework for sampling and estimation in species diversity studies. Ecological Monographs, 2014, 84, 45-67.	5.4	2,397
2	Loss of foundation species: consequences for the structure and dynamics of forested ecosystems. Frontiers in Ecology and the Environment, 2005, 3, 479-486.	4.0	1,461
3	The Loss of Species: Mangrove Extinction Risk and Geographic Areas of Global Concern. PLoS ONE, 2010, 5, e10095.	2.5	969
4	Methods for Detecting Early Warnings of Critical Transitions in Time Series Illustrated Using Simulated Ecological Data. PLoS ONE, 2012, 7, e41010.	2.5	638
5	Bayesian inference in ecology. Ecology Letters, 2004, 7, 509-520.	6.4	572
6	Determinants of Pattern in a New England Salt Marsh Plant Community. Ecological Monographs, 1987, 57, 129-147.	5.4	568
7	How do ecologists select and use indicator species to monitor ecological change? Insights from 14 years of publication in Ecological Indicators. Ecological Indicators, 2016, 60, 223-230.	6.3	382
8	An Introduction to Bayesian Inference for Ecological Research and Environmental Decision-Making. , 1996, 6, 1036-1046.		337
9	Treefall gap size effects on aboveâ€•and belowâ€ground processes in a tropical wet forest. Journal of Ecology, 1998, 86, 597-609.	4.0	297
10	Early Warning Signals of Ecological Transitions: Methods for Spatial Patterns. PLoS ONE, 2014, 9, e92097.	2.5	286
11	Widespread sampling biases in herbaria revealed from largeâ€scale digitization. New Phytologist, 2018, 217, 939-955.	7.3	271
12	Mangrove Restoration: Do We Know Enough?. Restoration Ecology, 2000, 8, 219-229.	2.9	266
13	Origins of mangrove ecosystems and the mangrove biodiversity anomaly. Global Ecology and Biogeography, 1999, 8, 95-115.	5.8	247
14	Analysis of abrupt transitions in ecological systems. Ecosphere, 2011, 2, art129.	2.2	239
15	Climatic drivers of hemispheric asymmetry in global patterns of ant species richness. Ecology Letters, 2009, 12, 324-333.	6.4	233
16	Energetics and the evolution of carnivorous plantsâ€"Darwin's â€˜most wonderful plants in the worldâ€™. Journal of Experimental Botany, 2009, 60, 19-42.	4.8	222
17	Species interactions slow warming-induced upward shifts of treelines on the Tibetan Plateau. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 4380-4385.	7.1	221
18	Herbarium records are reliable sources of phenological change driven by climate and provide novel insights into species' phenological cueing mechanisms. American Journal of Botany, 2015, 102, 1599-1609.	1.7	199

#	Article	IF	Citations
19	Anthropogenic Disturbance of Caribbean Mangrove Ecosystems: Past Impacts, Present Trends, and Future Predictions. Biotropica, 1996, 28, 549.	1.6	193
20	Observer bias and the detection of lowâ€density populations. Ecological Applications, 2009, 19, 1673-1679.	3.8	182
21	Partitioning diversity¹. Ecology, 2010, 91, 1962-1963.	3.2	181
22	Evolutionary ecology of carnivorous plants. Trends in Ecology and Evolution, 2001, 16, 623-629.	8.7	178
23	Assembly rules for New England ant assemblages. Oikos, 2002, 99, 591-599.	2.7	170
24	Macroecology of mangroves: large-scale patterns and processes in tropical coastal forests. Trees - Structure and Function, 2002, 16, 181-194.	1.9	169
25	Nutrient Limitation and Stoichiometry of Carnivorous Plants. Plant Biology, 2006, 8, 740-747.	3.8	158
26	Managing mangroves with benthic biodiversity in mind: Moving beyond roving banditry. Journal of Sea Research, 2008, 59, 2-15.	1.6	154
27	Foundation Species, Non-trophic Interactions, and the Value of Being Common. IScience, 2019, 13, 254-268.	4.1	144
28	Simulated sea level change alters anatomy, physiology, growth, and reproduction of red mangrove () Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.0	137
29	BIOGEOGRAPHY AT A REGIONAL SCALE: DETERMINANTS OF ANT SPECIES DENSITY IN NEW ENGLAND BOGS AND FORESTS. Ecology, 2002, 83, 1604-1609.	3.2	130
30	Effects of Competition, Disturbance, and Herbivory on Salicornia Europaea. Ecology, 1987, 68, 576-586.	3.2	129
31	MaxEnt versus MaxLike: empirical comparisons with ant species distributions. Ecosphere, 2013, 4, 1-15.	2.2	125
32	Facultative Mutualism Between Red Mangroves and Root-Fouling Sponges in Belizean Mangal. Ecology, 1996, 77, 2431-2444.	3.2	121
33	Seedling survivorship, growth, and response to disturbance in Belizean mangal. American Journal of Botany, 1993, 80, 1137-1145.	1.7	119
34	Wetlands of Central America. Wetlands Ecology and Management, 2004, 12, 3-55.	1.5	117
35	A physiological traitâ€based approach to predicting the responses of species to experimental climate warming. Ecology, 2012, 93, 2305-2312.	3.2	113
36	Nitrogen availability alters the expression of carnivory in the northern pitcher plant, Sarracenia purpurea. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 4409-4412.	7.1	112

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37	Scale-Dependent Spatial and Temporal Variability in Biogeography of Mangrove Root Epibiont Communities. Ecological Monographs, 1996, 66, 45-66.	5.4	110
38	Critical minimum temperature limits xylogenesis and maintains treelines on the southeastern Tibetan Plateau. Science Bulletin, 2017, 62, 804-812.	9.0	110
39	Testing patterns of zonation in mangroves: scale dependence and environmental correlates in the Sundarbans of Bangladesh. Journal of Ecology, 2000, 88, 813-824.	4.0	107
40	Mangrove Rehabilitation and Restoration as Experimental Adaptive Management. Frontiers in Marine Science, 2020, 7, .	2.5	98
41	The Effect of Understory Palms and Cyclanths on the Growth and Survival of Inga Seedlings. Biotropica, 1991, 23, 225.	1.6	93
42	Indicators of regime shifts in ecological systems: What do we need to know and when do we need to know it. Ecological Applications, 2009, 19, 799-816.	3.8	93
43	Increased stem density and competition may diminish the positive effects of warming at alpine treeline. Ecology, 2016, 97, 1668-1679.	3.2	93
44	EFFECT OF SEED DIMORPHISM ON THE DENSITYâ€ĐEPENDENT DYNAMICS OF EXPERIMENTAL POPULATIONS OF ATRIPLEX TRIANGULARIS (CHENOPODIACEAE). American Journal of Botany, 1987, 74, 1280-1288.	1.7	89
45	Global diversity in light of climate change: the case of ants. Diversity and Distributions, 2011, 17, 652-662.	4.1	87
46	Assembly rules of ground-foraging ant assemblages are contingent on disturbance, habitat and spatial scale. Journal of Biogeography, 2007, 34, 1632-1641.	3.0	83
47	Critical temperature and precipitation thresholds for the onset of xylogenesis of Juniperus przewalskii in a semi-arid area of the north-eastern Tibetan Plateau. Annals of Botany, 2018, 121, 617-624.	2.9	83
48	Reverse latitudinal trends in species richness of pitcher-plant food webs. Ecology Letters, 2003, 6, 825-829.	6.4	82
49	Species interactions and thermal constraints on ant community structure. Oikos, 2010, 119, 551-559.	2.7	77
50	Herbarium specimens reveal substantial and unexpected variation in phenological sensitivity across the eastern United States. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20170394.	4.0	75
51	Consumer pressure and seed set in a salt marsh perennial plant community. Oecologia, 1987, 71, 190-200.	2.0	73
52	The ecology of Belizean mangrove-root fouling communities. I. Epibenthic fauna are barriers to isopod attack of red mangrove roots. Journal of Experimental Marine Biology and Ecology, 1990, 142, 91-104.	1.5	73
53	Sunâ€shade adaptability of the red mangrove, <i>Rhizophora mangle</i> (Rhizophoraceae): Changes through ontogeny at several levels of biological organization. American Journal of Botany, 1996, 83, 1131-1143.	1.7	73
54	Patterns of Herbivory in Belizean Mangrove Swamps. Biotropica, 1991, 23, 555.	1.6	70

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55	Spatial and Temporal Variability in Growth of Rhizophora Mangle Saplings on Coral Cays: Links with Variation in Insolation, Herbivory, and Local Sedimentation Rate. Journal of Ecology, 1996, 84, 717.	4.0	70
56	Predicting the impact of hemlock woolly adelgid on carbon dynamics of eastern United States forests. Canadian Journal of Forest Research, 2010, 40, 119-133.	1.7	70
57	Ecological network metrics: opportunities for synthesis. Ecosphere, 2017, 8, e01900.	2.2	70
58	LINKING THE BROWN AND GREEN: NUTRIENT TRANSFORMATION AND FATE IN THE<i>SARRACENIA</i>MICROECOSYSTEM. Ecology, 2008, 89, 898-904.	3.2	68
59	The evolutionary ecology of carnivorous plants. Advances in Ecological Research, 2003, 33, 1-74.	2.7	67
60	Food-Web Models Predict Species Abundances in Response to Habitat Change. PLoS Biology, 2006, 4, e324.	5.6	67
61	Repeatability and transparency in ecological research. Ecology, 2010, 91, 2536-2539.	3.2	67
62	Should species distribution models account for spatial autocorrelation? A test of model projections across eight millennia of climate change. Global Ecology and Biogeography, 2013, 22, 760-771.	5.8	67
63	Carbon budget of the Harvard Forest Longâ€Term Ecological Research site: pattern, process, and response to global change. Ecological Monographs, 2020, 90, e01423.	5.4	67
64	Nectar, not colour, may lure insects to their death. Biology Letters, 2009, 5, 469-472.	2.3	66
65	IMPROVING THE PRECISION OF ESTIMATES OF THE FREQUENCY OF RARE EVENTS. Ecology, 2005, 86, 1114-1123.	3.2	64
66	Modeling range dynamics in heterogeneous landscapes: invasion of the hemlock woolly adelgid in eastern North America. Ecological Applications, 2012, 22, 472-486.	3.8	64
67	Global Patterns of Pre-Dispersal Propagule Predation in Mangrove Forests1. Biotropica, 1997, 29, 318-330.	1.6	63
68	Experimentally testing the role of foundation species in forests: the Harvard Forest Hemlock Removal Experiment. Methods in Ecology and Evolution, 2010, 1, 168-179.	5.2	63
69	Morphological variation in <i>Sarracenia purpurea</i> (Sarraceniaceae): geographic, environmental, and taxonomic correlates. American Journal of Botany, 2004, 91, 1930-1935.	1.7	62
70	Liberating field science samples and data. Science, 2016, 351, 1024-1026.	12.6	62
71	PREY ADDITION ALTERS NUTRIENT STOICHIOMETRY OF THE CARNIVOROUS PLANT SARRACENIA PURPUREA. Ecology, 2005, 86, 1737-1743.	3.2	61
72	Organic-matter loading determines regime shifts and alternative states in an aquatic ecosystem. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 7742-7747.	7.1	61

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73	Interspecific and intraspecific variation in seed size and germination requirements of Sarracenia (Sarraceniaceae). American Journal of Botany, 2001, 88, 429-437.	1.7	60
74	Foundation species loss affects vegetation structure more than ecosystem function in a northeastern USA forest. PeerJ, 2013, 1, e41.	2.0	60
75	Rapid Inventory of the Ant Assemblage in a Temperate Hardwood Forest: Species Composition and Assessment of Sampling Methods. Environmental Entomology, 2007, 36, 766-775.	1.4	59
76	A keystone predator controls bacterial diversity in the pitcherâ€plant (<i>Sarracenia purpurea</i>) microecosystem. Environmental Microbiology, 2008, 10, 2257-2266.	3.8	59
77	Heating up the forest: openâ€top chamber warming manipulation of arthropod communities at Harvard and Duke Forests. Methods in Ecology and Evolution, 2011, 2, 534-540.	5.2	57
78	NITROGEN DEPOSITION AND EXTINCTION RISK IN THE NORTHERN PITCHER PLANT, SARRACENIA PURPUREA. Ecology, 2002, 83, 2758-2765.	3.2	56
79	Next-Generation Field Guides. BioScience, 2013, 63, 891-899.	4.9	55
80	Climatic warming destabilizes forest ant communities. Science Advances, 2016, 2, e1600842.	10.3	53
81	Geographic variation in network structure of a nearctic aquatic food web. Global Ecology and Biogeography, 2012, 21, 579-591.	5.8	52
82	Seedling Survivorship, Growth, and Response to Disturbance in Belizean Mangal. American Journal of Botany, 1993, 80, 1137.	1.7	51
83	The effects of fire, local environment and time on ant assemblages in fens and forests. Diversity and Distributions, 2005, 11, 487-497.	4.1	50
84	Phylogeny and Biogeography of the Carnivorous Plant Family Sarraceniaceae. PLoS ONE, 2012, 7, e39291.	2.5	50
85	The ecology of Belizean mangrove-root fouling communities: patterns of epibiont distribution and abundance, and effects on root growth. Hydrobiologia, 1992, 247, 87-98.	2.0	45
86	The Golden Rule of Reviewing. American Naturalist, 2009, 173, E155-E158.	2.1	45
87	Title is missing!. , 1998, 385, 193-200.		44
88	Survivorship and Spatial Development of Spartina alterniflora Loisel. (Gramineae) Seedlings in a New England Salt Marsh. Annals of Botany, 1986, 58, 249-258.	2.9	43
89	Nitrogen cycling dynamics in the carnivorous northern pitcher plant, <i>Sarracenia purpurea</i>. Functional Ecology, 2007, 21, 835-843.	3.6	42
90	The cost of carnivory for <i>Darlingtonia californica</i> (Sarraceniaceae): evidence from relationships among leaf traits. American Journal of Botany, 2005, 92, 1085-1093.	1.7	41

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91	Construction costs, payback times, and the leaf economics of carnivorous plants. American Journal of Botany, 2009, 96, 1612-1619.	1.7	41
92	Genotypic variability enhances the reproducibility of an ecological study. Nature Ecology and Evolution, 2018, 2, 279-287.	7.8	41
93	Limits to reproductive success of <i>Sarracenia purpurea</i> (Sarraceniaceae). American Journal of Botany, 2006, 93, 1660-1666.	1.7	40
94	Antâ€mediated ecosystem functions on a warmer planet: effects on soil movement, decomposition and nutrient cycling. Journal of Animal Ecology, 2015, 84, 1233-1241.	2.8	40
95	Convergence in Multispecies Interactions. Trends in Ecology and Evolution, 2016, 31, 269-280.	8.7	39
96	How do climate change experiments alter plotâ€scale climate?. Ecology Letters, 2019, 22, 748-763.	6.4	39
97	Forecasting Extinction Risk With Nonstationary Matrix Models. , 2006, 16, 51-61.		38
98	Predicted impacts of climatic change on ant functional diversity and distributions in eastern <scp>N</scp>orth <scp>A</scp>merican forests. Diversity and Distributions, 2015, 21, 781-791.	4.1	38
99	Species Richness and Trophic Diversity Increase Decomposition in a Co-Evolved Food Web. PLoS ONE, 2011, 6, e20672.	2.5	37
100	Response of macroarthropod assemblages to the loss of hemlock (<i>Tsuga canadensis</i>), a foundation species. Ecosphere, 2011, 2, art74.	2.2	37
101	Predicting foodâ€web structure with metacommunity models. Oikos, 2013, 122, 492-506.	2.7	37
102	A global database of ant species abundances. Ecology, 2017, 98, 883-884.	3.2	37
103	ANALYTIC WEBS SUPPORT THE SYNTHESIS OF ECOLOGICAL DATA SETS. Ecology, 2006, 87, 1345-1358.	3.2	36
104	Ecological boundary detection using Bayesian areal wombling. Ecology, 2010, 91, 3448-3455.	3.2	36
105	Effect of Seed Dimorphism on the Density-Dependent Dynamics of Experimental Populations of Atriplex triangularis (Chenopodiaceae). American Journal of Botany, 1987, 74, 1280.	1.7	35
106	Common garden experiments reveal uncommon responses across temperatures, locations, and species of ants. Ecology and Evolution, 2012, 2, 3009-3015.	1.9	35
107	Using Physiology to Predict the Responses of Ants to Climatic Warming. Integrative and Comparative Biology, 2013, 53, 965-974.	2.0	35
108	Heat tolerance predicts the importance of species interaction effects as the climate changes. Integrative and Comparative Biology, 2017, 57, 112-120.	2.0	35

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109	Ecophysiological traits of terrestrial and aquatic carnivorous plants: are the costs and benefits the same?. Oikos, 2011, 120, 1721-1731.	2.7	34
110	Detecting temporal trends in species assemblages with bootstrapping procedures and hierarchical models. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 3621-3631.	4.0	33
111	The Past, Present, and Future of the Hemlock Woolly Adelgid (Adelges tsugae) and Its Ecological Interactions with Eastern Hemlock (Tsuga canadensis) Forests. Insects, 2018, 9, 172.	2.2	33
112	Rapid Inventory of the Ant Assemblage in a Temperate Hardwood Forest: Species Composition and Assessment of Sampling Methods. Environmental Entomology, 2007, 36, 766-775.	1.4	33
113	SEASONAL PATTERNS IN THE BELOWGROUND BIOMASS OF SPARTINA ALTERNIFLORA (GRAMINEAE) ACROSS A TIDAL GRADIENT. American Journal of Botany, 1986, 73, 1548-1554.	1.7	32
114	Title is missing!. Hydrobiologia, 2003, 497, 53-62.	2.0	32
115	Studies of insect temporal trends must account for the complex sampling histories inherent to many long-term monitoring efforts. Nature Ecology and Evolution, 2021, 5, 589-591.	7.8	32
116	Controlled publication of digital scientific data. Communications of the ACM, 2002, 45, 97-101.	4.5	31
117	Prey availability directly affects physiology, growth, nutrient allocation and scaling relationships among leaf traits in 10 carnivorous plant species. Journal of Ecology, 2008, 96, 213-221.	4.0	31
118	The Pitcher Plant Sarracenia purpurea Can Directly Acquire Organic Nitrogen and Short-Circuit the Inorganic Nitrogen Cycle. PLoS ONE, 2009, 4, e6164.	2.5	31
119	Modeling foundation species in food webs. Ecosphere, 2013, 4, 1-14.	2.2	31
120	Microclimatic effects of the loss of a foundation species from New England forests. Ecosphere, 2012, 3, 1-16.	2.2	31
121	Paths to statistical fluency for ecologists. Frontiers in Ecology and the Environment, 2010, 8, 362-370.	4.0	30
122	Dominance network analysis provides a new framework for studying the diversityâ€“stability relationship. Ecological Monographs, 2019, 89, e01358.	5.4	30
123	Ensuring reliable datasets for environmental models and forecasts. Ecological Informatics, 2007, 2, 237-247.	5.2	29
124	Effects of short-term warming on low and high latitude forest ant communities. Ecosphere, 2011, 2, art62.	2.2	29
125	Environmental proteomics, biodiversity statistics and food-web structure. Trends in Ecology and Evolution, 2012, 27, 436-442.	8.7	29
126	Changes in canopy structure and ant assemblages affect soil ecosystem variables as a foundation species declines. Ecosphere, 2015, 6, 1-20.	2.2	29

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127	Quantifying the impact of an extreme climate event on species diversity in fragmented temperate forests: the effect of the <scp>O</scp>ctober 1987 storm on <scp>B</scp>ritish broadleaved woodlands. Journal of Ecology, 2014, 102, 1273-1287.	4.0	28
128	A New Method for Counting Reproductive Structures in Digitized Herbarium Specimens Using Mask R-CNN. Frontiers in Plant Science, 2020, 11, 1129.	3.6	28
129	The Seed Bank of Hemlock Forests: Implications for Forest Regeneration Following Hemlock Decline1. Journal of the Torrey Botanical Society, 2006, 133, 393-402.	0.3	27
130	If these data could talk. Scientific Data, 2017, 4, 170114.	5.3	27
131	BRANCHING PATTERNS OF SALICORNIA EUROPAEA (CHENOPODIACEAE) AT DIFFERENT SUCCESSIONAL STAGES: A COMPARISON OF THEORETICAL AND REAL PLANTS. American Journal of Botany, 1988, 75, 501-512.	1.7	26
132	Dynamics of herbivory in Belizean mangal. Journal of Tropical Ecology, 1993, 9, 435-453.	1.1	26
133	Seed dispersal and seedling establishment of <i>Sarracenia purpurea</i> (Sarraceniaceae). American Journal of Botany, 2002, 89, 1024-1026.	1.7	25
134	Frost controls spring phenology of juvenile Smith fir along elevational gradients on the southeastern Tibetan Plateau. International Journal of Biometeorology, 2019, 63, 963-972.	3.0	25
135	Sun-Shade Adaptability of the Red Mangrove, Rhizophora mangle (Rhizophoraceae): Changes Through Ontogeny at Several Levels of Biological Organization. American Journal of Botany, 1996, 83, 1131.	1.7	25
136	Using Historical and Experimental Data to Reveal Warming Effects on Ant Assemblages. PLoS ONE, 2014, 9, e88029.	2.5	24
137	Canopy and litter ant assemblages share similar climateâ€“species density relationships. Biology Letters, 2010, 6, 769-772.	2.3	23
138	Captive pandas are at risk from environmental toxins. Frontiers in Ecology and the Environment, 2016, 14, 363-367.	4.0	23
139	When a foundation crumbles: forecasting forest dynamics following the decline of the foundation species <i>Tsuga canadensis</i>. Ecosphere, 2017, 8, e01893.	2.2	23
140	Spatial Distribution and Impacts of Moth Herbivory on Northern Pitcher Plants. Northeastern Naturalist, 2006, 13, 43-56.	0.3	22
141	Experience in using a process language to define scientific workflow and generate dataset provenance. , 2008, , .		22
142	Facilitation stabilizes moisture-controlled alpine juniper shrublines in the central Tibetan Plateau. Global and Planetary Change, 2015, 132, 20-30.	3.5	22
143	Introduction: Ecological Applications of Bayesian Inference. , 1996, 6, 1034-1035.		21
144	Species Diversity Associated with Foundation Species in Temperate and Tropical Forests. Forests, 2019, 10, 128.	2.1	21

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145	Establish an environmentally sustainable Giant Panda National Park in the Qinling Mountains. Science of the Total Environment, 2019, 668, 979-987.	8.0	21
146	Geographic variation in nutrient availability, stoichiometry, and metal concentrations of plants and pore-water in ombrotrophic bogs in New England, USA. Wetlands, 2008, 28, 827-840.	1.5	20
147	A unified concept of dominance applicable at both community and species scales. Ecosphere, 2018, 9, e02477.	2.2	20
148	Thermal reactionomes reveal divergent responses to thermal extremes in warm and cool-climate ant species. BMC Genomics, 2016, 17, 171.	2.8	19
149	ANT DIVERSITY IN PITCHER-PLANT BOGS OF MASSACHUSETTS. Northeastern Naturalist, 2002, 9, 267-284.	0.3	18
150	The relative contributions of seed bank, seed rain, and understory vegetation dynamics to the reorganization of <i>Tsuga canadensis</i> forests after loss due to logging or simulated attack by <i>Adelges tsugae</i>. Canadian Journal of Forest Research, 2012, 42, 2090-2105.	1.7	18
151	Experiments Are Revealing a Foundation Species: A Case Study of Eastern Hemlock (<i>Tsuga) Tj ETQq1 1 0.784314 rgBT /Overlock 1	0.5	18
152	Pitcher Plants (<I>Sarracenia</I>) Provide a 21st-Century Perspective on Infraspecific Ranks and Interspecific Hybrids: A Modest Proposal* for Appropriate Recognition and Usage. Systematic Botany, 2014, 39, 939-949.	0.5	18
153	The ecology of Belizean mangrove-root fouling communities: patterns of epibiont distribution and abundance, and effects on root growth. , 1992, , 87-98.		18
154	The Suffocating Embrace of Landscape and the Picturesque Conditioning of Ecology. Landscape Journal, 2013, 32, 79-94.	0.3	17
155	Building a foundation: Land-use history and dendrochronology reveal temporal dynamics of a<i>Tsuga canadensis</i>(Pinaceae) forest. Rhodora, 2014, 116, 377-427.	0.1	17
156	Using codispersion analysis to characterize spatial patterns in species coâ€occurrences. Ecology, 2016, 97, 32-39.	3.2	17
157	A Balanced Data Archiving Policy for Long-Term Studies. Trends in Ecology and Evolution, 2016, 31, 84-85.	8.7	17
158	An unusually high shrubline on the Tibetan Plateau. Ecology, 2021, 102, e03310.	3.2	17
159	Seed bank composition of a northeastern U. S. tussock swamp. Wetlands, 1999, 19, 255-261.	1.5	16
160	Clear and Precise Specification of Ecological Data Management Processes and Dataset Provenance. IEEE Transactions on Automation Science and Engineering, 2010, 7, 189-195.	5.2	16
161	Foundation Species Loss and Biodiversity of the Herbaceous Layer in New England Forests. Forests, 2016, 7, 9.	2.1	16
162	Ecosystem warming increases sap flow rates of northern red oak trees. Ecosphere, 2016, 7, e01221.	2.2	16

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163	Insights into Student Gains from Undergraduate Research Using Pre- and Post-Assessments. BioScience, 2016, 66, 1070-1078.	4.9	16
164	Trade-Offs in Cold Resistance at the Northern Range Edge of the Common Woodland Ant<i>Aphaenogaster picea</i>(Formicidae). American Naturalist, 2019, 194, E151-E163.	2.1	16
165	Seasonal Patterns in the Belowground Biomass of Spartina alterniflora (Gramineae) Across a Tidal Gradient. American Journal of Botany, 1986, 73, 1548.	1.7	16
166	New directions in tropical phenology. Trends in Ecology and Evolution, 2022, 37, 683-693.	8.7	16
167	Itâ€™s time to get real about conservation. Nature, 2016, 538, 141-141.	27.8	15
168	Using codispersion analysis to quantify and understand spatial patterns in speciesâ€“environment relationships. New Phytologist, 2016, 211, 735-749.	7.3	15
169	Detection probabilities for sessile organisms. Ecosphere, 2016, 7, e01546.	2.2	15
170	All species are important, but some species are more important than others. Journal of Vegetation Science, 2017, 28, 669-671.	2.2	15
171	Identifying foundation species in North American forests using longâ€term data on ant assemblage structure. Ecosphere, 2018, 9, e02139.	2.2	15
172	Mating system does not predict niche breath. Global Ecology and Biogeography, 2018, 27, 804-813.	5.8	15
173	Fire facilitates warming-induced upward shifts of alpine treelines by altering interspecific interactions. Trees - Structure and Function, 2019, 33, 1051-1061.	1.9	15
174	Branching Patterns of Salicornia europaea (Chenopodiaceae) at Different Successional Stages: A Comparison of Theoretical and Real Plants. American Journal of Botany, 1988, 75, 501.	1.7	13
175	Phenological displacement is uncommon among sympatric angiosperms. New Phytologist, 2022, 233, 1466-1478.	7.3	13
176	Political borders should not hamper wildlife. Nature, 2014, 508, 9-9.	27.8	12
177	Assessing the impacts of the decline of <i>Tsuga canadensis</i> stands on two amphibian species in a New England forest. Ecosphere, 2016, 7, e01574.	2.2	12
178	Environmental proteomics reveals taxonomic and functional changes in an enriched aquatic ecosystem. Ecosphere, 2017, 8, e01954.	2.2	12
179	Environmental toxicants impair liver and kidney function and sperm quality of captive pandas. Ecotoxicology and Environmental Safety, 2018, 162, 218-224.	6.0	12
180	Loss of foundation species revisited: conceptual framework with lessons learned from eastern hemlock and whitebark pine. Ecosphere, 2019, 10, e02917.	2.2	12

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181	The Ants of Nantucket: Unexpectedly High Biodiversity in an Anthropogenic Landscape. Northeastern Naturalist, 2012, 19, 43-66.	0.3	11
182	Xylem vascular anatomy and water transport of Salicornia europaea. Aquatic Botany, 1993, 45, 325-339.	1.6	10
183	Red-spotted Newts: An Unusual Nutrient Source for Northern Pitcher Plants. Northeastern Naturalist, 2005, 12, 1-10.	0.3	10
184	Localâ€•to continentalâ€scale variation in the richness and composition of an aquatic food web. Global Ecology and Biogeography, 2010, 19, 711-723.	5.8	10
185	Pollen Morphology and Its Relationship to Taxonomy of the Genus Sarracenia (Sarraceniaceae). Rhodora, 2011, 113, 235-251.	0.1	10
186	Atmospheric deposition exposes <scp>Q</scp>inling pandas to toxic pollutants. Ecological Applications, 2017, 27, 343-348.	3.8	10
187	PBDEs (polybrominated diphenyl ethers) pose a risk to captive giant pandas. Environmental Pollution, 2017, 226, 174-181.	7.5	10
188	Lessons and recommendations from three decades as an NSF REU site: A call for systemsâ€based assessment. Ecology and Evolution, 2020, 10, 2710-2738.	1.9	10
189	Foundation species across a latitudinal gradient in China. Ecology, 2021, 102, e03234.	3.2	10
190	Process Technology to Facilitate the Conduct of Science. Lecture Notes in Computer Science, 2006, , 403-415.	1.3	10
191	Regime shifts and hysteresis in the pitcher-plant microecosystem. Ecological Modelling, 2018, 382, 1-8.	2.5	9
192	Nests of red wood ants (<i>Formica rufa</i>-group) are positively associated with tectonic faults: a double-blind test. PeerJ, 2017, 5, e3903.	2.0	9
193	Degassing Rhythms and Fluctuations of Geogenic Gases in A Red Wood-Ant Nest and in Soil in The Neuwied Basin (East Eifel Volcanic Field, Germany). Insects, 2018, 9, 135.	2.2	8
194	Can a Red Wood-Ant Nest Be Associated with Fault-Related CH4 Micro-Seepage? A Case Study from Continuous Short-Term In-Situ Sampling. Animals, 2018, 8, 46.	2.3	8
195	Sharing and Preserving Computational Analyses for Posterity with encapsulator. Computing in Science and Engineering, 2018, 20, 111-124.	1.2	8
196	Calibrating abundance indices with population size estimators of red back salamanders (<i>Plethodon) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.0	8
197	Art/Science Collaborations: New Explorations of Ecological Systems, Values, and their Feedbacks. Bulletin of the Ecological Society of America, 2018, 99, 180-191.	0.2	7
198	Ecology of rotifers and their unappreciated source of nitrogen and phosphorus in temperate northeastern American bogs. Fundamental and Applied Limnology, 2018, 191, 277-287.	0.7	7

#	Article	IF	Citations
199	Interaction between pollution and climate change augments ecological risk to a coastal ecosystem. Ecosystem Health and Sustainability, 2018, 4, 161-168.	3.1	7
200	In silico trio biomarkers for bacterial vaginosis revealed by species dominance network analysis. Computational and Structural Biotechnology Journal, 2021, 19, 2979-2989.	4.1	7
201	Influence of fire on a rare serpentine plant assemblage: A 5â€year study of <i>Darlingtonia</i> fens. American Journal of Botany, 2011, 98, 801-811.	1.7	6
202	First Identification of Periodic Degassing Rhythms in Three Mineral Springs of the East Eifel Volcanic Field (EEVF, Germany). Geosciences (Switzerland), 2019, 9, 189.	2.2	6
203	The End-to-End Provenance Project. Patterns, 2020, 1, 100016.	5.9	6
204	Clockwise and counterclockwise hysteresis characterize state changes in the same aquatic ecosystem. Ecology Letters, 2021, 24, 94-101.	6.4	6
205	Designing (for) Urban Food Webs. Frontiers in Ecology and Evolution, 2021, 9, .	2.2	6
206	Preserving the Picturesque: Perceptions of Landscape, Landscape Art, and Land Protection in the United States and China. Land, 2014, 3, 260-281.	2.9	5
207	Do Terrestrial Salamanders Indicate Ecosystem Changes in New England Forests?. Forests, 2019, 10, 154.	2.1	5
208	Foraging modes of carnivorous plants. Israel Journal of Ecology and Evolution, 2020, 66, 101-112.	0.6	5
209	The future of research with carnivorous plants. , 2018, , .		5
210	Nutrient regeneration by rotifers in New England (USA) bogs. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 2002, 28, 1328-1331.	0.1	4
211	Sensitivity of Codispersion to Noise and Error in Ecological and Environmental Data. Forests, 2018, 9, 679.	2.1	4
212	First <i>In Situ</i> Identification of Ultradian and Infradian Rhythms, and Nocturnal Locomotion Activities of Four Colonies of Red Wood Ants (<i>Formica rufa</i>-Group). Journal of Biological Rhythms, 2019, 34, 19-38.	2.6	4
213	A spatial concordance correlation coefficient with an application to image analysis. Spatial Statistics, 2020, 40, 100405.	1.9	4
214	Broadening the ecological mindset. Ecological Applications, 2021, 31, e02347.	3.8	4
215	Land-use history impacts spatial patterns and composition of woody plant species across a 35-hectare temperate forest plot. PeerJ, 2022, 10, e12693.	2.0	4
216	CUMULATIVE EFFECTS OF OIL SPILLS ON MANGROVES. , 1999, 9, 1490-1492.		3

#	Article	IF	Citations
217	Proteomic characterization of the major arthropod associates of the carnivorous pitcher plant <i>Sarracenia purpurea</i>. Proteomics, 2011, 11, 2354-2358.	2.2	3
218	Regulation by the Pitcher Plant Sarracenia purpurea of the Structure of its Inquiline Food Web. American Midland Naturalist, 2021, 186, .	0.4	3
219	Ecological and Cultural Understanding as a Basis for Management of a Globally Significant Island Landscape. Coasts, 2022, 2, 152-202.	0.9	3
220	METABOLIC THEORY AND PATTERNS OF SPECIES RICHNESS1. Ecology, 2007, 88, 1889-1889.	3.2	2
221	Kernel Intensity Estimation of 2-Dimensional Spatial Poisson Point Processes From k-Tree Sampling. Journal of Agricultural, Biological, and Environmental Statistics, 2014, 19, 357-372.	1.4	2
222	Establish a special conservation zone for the captive giant panda. Ecosystem Health and Sustainability, 2018, 4, 29-33.	3.1	2
223	Social media are fuelling the Amazonâ€™s destruction. Nature, 2020, 580, 321-321.	27.8	2
224	Forecast for Reproducible Data: Partly Cloudy. Science, 2009, 325, 1622-1622.	12.6	1
225	Habitat Suitability and Distribution Models: With Applications in R. Ecology, Biodiversity and Conservation. By Antoine Guisan, Wilfried Thuiller, and Niklaus E. Zimmermann; with contributions from Valeria Di Cola, Damien Georges, and Achilleas Psomas. Cambridge and New York: Cambridge University Press. $115.00 (hardcover); $49.99 (paper). xvii + 462 p. + 32 pl.; ill.; index. ISBN: 978-0-521-76513-8 (hc); 978-0-521-75836-9 (pb). 2017.. Quarterly Review of Biology, 2018, 93, 269-269.	0.1	1
226	Ten years of <i>Methods in Ecology and Evolution</i>. Methods in Ecology and Evolution, 2020, 11, 4-5.	5.2	1
227	Estimating the exposure of carnivorous plants to rapid climatic change. , 2018, , .		1
228	Introduction: what is a carnivorous plant?. , 2018, , .		1
229	Draft <i>Aphaenogaster</i> genomes expand our view of ant genome size variation across climate gradients. PeerJ, 2019, 7, e6447.	2.0	1
230	Constructive Friction Creates a Third Space for Art/Science Collaborations. Leonardo, 0, , 283-288.	0.3	1
231	EvoSoap. Nature, 2009, 458, 938-938.	27.8	0
232	A reply to Millspaugh and Gitzen. Frontiers in Ecology and the Environment, 2010, 8, 515-516.	4.0	0
233	Targeted Sampling Increases Knowledge and Improves Estimates of Ant Species Richness in Rhode Island. Northeastern Naturalist, 2014, 21, NENHC-13-NENHC-24.	0.3	0
234	A Sense of Scale. Bulletin of the Ecological Society of America, 2018, 99, 173-179.	0.2	0

#	Article	IF	Citations
235	<i>Hierarchy: Perspectives for Ecological Complexity. <i>Second Edition</i></i>. By T. F. H. Allen and Thomas B. Starr. Chicago (Illinois): University of Chicago Press. $125.00 (hardcover); $47.50 (paper). vi + 417 p.; ill.; author and subject indexes. ISBN: 978-0-226-48954-4 (hc); 978-0-226-48968-1 (pb); 978-0-226-48971-1 (eb). 2017.. Quarterly Review of Biology, 2019, 94, 224-225.	0.1	0
236	A Camera and a Click to Democratize Knowledge. Bulletin of the Ecological Society of America, 2021, 102, e01805.	0.2	0
237	Hemlock Hospice. , 2021, , 488-502.		0
238	Toward a unified diversityâ€"area relationship (DAR) of species and gene diversity illustrated with the human gut metagenome. Ecosphere, 2021, 12, e03807.	2.2	0
239	Artâ€™s Work in the Age of Biotechnology: Shaping Our Genetic Futures. Leonardo, 2022, 55, 5-17.	0.3	0
240	An open future for <scp>MEE</scp>. Methods in Ecology and Evolution, 2022, 13, 1372-1373.	5.2	0