David Tilman

List of Publications by Year
in descending order

189 papers	104,775 citations	1888 102 h-index	3260 185 g-index
194 all docs	194 docs citations	194 times ranked	71538 citing authors

#	Article	IF	Citations
1	Solutions for a cultivated planet. Nature, 2011, 478, 337-342.	13.7	5,821
2	Agricultural sustainability and intensive production practices. Nature, 2002, 418, 671-677.	13.7	5,748
3	Food in the Anthropocene: the EATâ€"Lancet Commission on healthy diets from sustainable food systems. Lancet, The, 2019, 393, 447-492.	6.3	5,421
4	Global food demand and the sustainable intensification of agriculture. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 20260-20264.	3.3	5,160
5	Biodiversity loss and its impact on humanity. Nature, 2012, 486, 59-67.	13.7	4,969
6	The metacommunity concept: a framework for multi-scale community ecology. Ecology Letters, 2004, 7, 601-613.	3.0	4,069
7	Biodiversity and Ecosystem Functioning: Current Knowledge and Future Challenges. Science, 2001, 294, 804-808.	6.0	3,551
8	Forecasting Agriculturally Driven Global Environmental Change. Science, 2001, 292, 281-284.	6.0	3,068
9	Land Clearing and the Biofuel Carbon Debt. Science, 2008, 319, 1235-1238.	6.0	3,066
10	The Influence of Functional Diversity and Composition on Ecosystem Processes. Science, 1997, 277, 1300-1302.	6.0	2,414
11	Global diets link environmental sustainability and human health. Nature, 2014, 515, 518-522.	13.7	2,269
12	Environmental, economic, and energetic costs and benefits of biodiesel and ethanol biofuels. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 11206-11210.	3.3	2,257
13	Productivity and sustainability influenced by biodiversity in grassland ecosystems. Nature, 1996, 379, 718-720.	13.7	2,237
14	Habitat destruction and the extinction debt. Nature, 1994, 371, 65-66.	13.7	2,236
15	Competition and Biodiversity in Spatially Structured Habitats. Ecology, 1994, 75, 2-16.	1.5	2,198
16	Diversity and Productivity in a Long-Term Grassland Experiment. Science, 2001, 294, 843-845.	6.0	1,873
17	Biodiversity and stability in grasslands. Nature, 1994, 367, 363-365.	13.7	1,840
18	Options for keeping the food system within environmental limits. Nature, 2018, 562, 519-525.	13.7	1,709

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19	Biodiversity and ecosystem stability in a decade-long grassland experiment. Nature, 2006, 441, 629-632.	13.7	1,668
20	Carbon-Negative Biofuels from Low-Input High-Diversity Grassland Biomass. Science, 2006, 314, 1598-1600.	6.0	1,505
21	THE ECOLOGICAL CONSEQUENCES OF CHANGES IN BIODIVERSITY: A SEARCH FOR GENERAL PRINCIPLES101. Ecology, 1999, 80, 1455-1474.	1.5	1,398
22	Beneficial Biofuelsâ€"The Food, Energy, and Environment Trilemma. Science, 2009, 325, 270-271.	6.0	1,335
23	Biodiversity and Ecosystem Functioning. Annual Review of Ecology, Evolution, and Systematics, 2014, 45, 471-493.	3.8	1,311
24	Niche tradeoffs, neutrality, and community structure: A stochastic theory of resource competition, invasion, and community assembly. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 10854-10861.	3.3	1,226
25	Biodiversity: Population Versus Ecosystem Stability. Ecology, 1995, 77, 350-363.	1.5	1,224
26	High plant diversity is needed to maintain ecosystem services. Nature, 2011, 477, 199-202.	13.7	1,195
27	Plant diversity and ecosystem productivity: Theoretical considerations. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 1857-1861.	3.3	1,150
28	COMMUNITY INVASIBILITY, RECRUITMENT LIMITATION, AND GRASSLAND BIODIVERSITY. Ecology, 1997, 78, 81-92.	1.5	1,110
29	Biodiversity increases the resistance of ecosystem productivity to climate extremes. Nature, 2015, 526, 574-577.	13.7	1,032
30	Global environmental impacts of agricultural expansion: The need for sustainable and efficient practices. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 5995-6000.	3.3	994
31	PLANT DIVERSITY, SOIL MICROBIAL COMMUNITIES, AND ECOSYSTEM FUNCTION: ARE THERE ANY LINKS?. Ecology, 2003, 84, 2042-2050.	1.5	991
32	Biotic Control over the Functioning of Ecosystems. Science, 1997, 277, 500-504.	6.0	948
33	Biodiversity as a barrier to ecological invasion. Nature, 2002, 417, 636-638.	13.7	935
34	Secondary Succession and the Pattern of Plant Dominance Along Experimental Nitrogen Gradients. Ecological Monographs, 1987, 57, 189-214.	2.4	882
35	Loss of plant species after chronic low-level nitrogen deposition to prairie grasslands. Nature, 2008, 451, 712-715.	13.7	809
36	Future threats to biodiversity and pathways to their prevention. Nature, 2017, 546, 73-81.	13.7	736

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37	Effects of plant species richness on invasion dynamics, disease outbreaks, insect abundances and diversity. Ecology Letters, 1999, 2, 286-293.	3.0	723
38	Impacts of Biodiversity Loss Escalate Through Time as Redundancy Fades. Science, 2012, 336, 589-592.	6.0	672
39	Species effects on nitrogen cycling: a test with perennial grasses. Oecologia, 1990, 84, 433-441.	0.9	630
40	Comparative analysis of environmental impacts of agricultural production systems, agricultural input efficiency, and food choice. Environmental Research Letters, 2017, 12, 064016.	2.2	604
41	Plant functional composition influences rates of soil carbon and nitrogen accumulation. Journal of Ecology, 2008, 96, 314-322.	1.9	588
42	Plant diversity enhances ecosystem responses to elevated CO2 and nitrogen deposition. Nature, 2001, 410, 809-810.	13.7	517
43	Anthropogenic environmental changes affect ecosystem stability via biodiversity. Science, 2015, 348, 336-340.	6.0	516
44	Nutrient enrichment, biodiversity loss, and consequent declines in ecosystem productivity. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 11911-11916.	3.3	511
45	Experimental Tests of the Dependence of Arthropod Diversity on Plant Diversity. American Naturalist, 1998, 152, 738-750.	1.0	499
46	Global food system emissions could preclude achieving the 1.5Â° and 2Â°C climate change targets. Science, 2020, 370, 705-708.	6.0	496
47	Grassland species loss resulting from reduced niche dimension. Nature, 2007, 446, 791-793.	13.7	481
48	Nexus approaches to global sustainable development. Nature Sustainability, 2018, 1, 466-476.	11.5	468
49	DYNAMICS OF SOIL NITROGEN AND CARBON ACCUMULATION FOR 61 YEARS AFTER AGRICULTURAL ABANDONMENT. Ecology, 2000, 81, 88-98.	1.5	457
50	Multiple health and environmental impacts of foods. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 23357-23362.	3.3	440
51	Diversity decreases invasion via both sampling and complementarity effects. Ecology Letters, 2005, 8, 604-611.	3.0	439
52	Plant species loss decreases arthropod diversity and shifts trophic structure. Ecology Letters, 2009, 12, 1029-1039.	3.0	417
53	HERBIVORE EFFECTS ON PLANT AND NITROGEN DYNAMICS IN OAK SAVANNA. Ecology, 1998, 79, 165-177.	1.5	407
54	Competition Among Grasses Along a Nitrogen Gradient: Initial Conditions and Mechanisms of Competition. Ecological Monographs, 1993, 63, 199-229.	2.4	400

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55	Biodiversity impacts ecosystem productivity as much as resources, disturbance, or herbivory. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 10394-10397.	3.3	400
56	Plant Traits and Resource Reduction For Five Grasses Growing on a Nitrogen Gradient. Ecology, 1991, 72, 685-700.	1.5	398
57	Human-caused environmental change: Impacts on plant diversity and evolution. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 5433-5440.	3.3	386
58	EFFECTS OF GRASSLAND PLANT SPECIES DIVERSITY, ABUNDANCE, AND COMPOSITION ON FOLIAR FUNGAL DISEASE. Ecology, 2002, 83, 1713-1726.	1.5	376
59	From selection to complementarity: shifts in the causes of biodiversityâ€“productivity relationships in a long-term biodiversity experiment. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 871-876.	1.2	375
60	Phylogenetic diversity promotes ecosystem stability. Ecology, 2012, 93, S223.	1.5	372
61	Emerging human infectious diseases and the links to global food production. Nature Sustainability, 2019, 2, 445-456.	11.5	362
62	The greening of the green revolution. Nature, 1998, 396, 211-212.	13.7	351
63	Functional traits, productivity and effects on nitrogen cycling of 33 grassland species. Functional Ecology, 2002, 16, 563-574.	1.7	331
64	National food production stabilized by crop diversity. Nature, 2019, 571, 257-260.	13.7	323
65	Title is missing!. Plant Ecology, 2000, 146, 1-10.	0.7	296
66	Multiple facets of biodiversity drive the diversityâ€“stability relationship. Nature Ecology and Evolution, 2018, 2, 1579-1587.	3.4	296
67	Old-Field Succession on a Minnesota Sand Plain. Ecology, 1987, 68, 12-26.	1.5	287
68	Climate change and health costs of air emissions from biofuels and gasoline. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2077-2082.	3.3	279
69	Do species and functional groups differ in acquisition and use of C, N and water under varying atmospheric CO2 and N availability regimes? A field test with 16 grassland species. New Phytologist, 2001, 150, 435-448.	3.5	240
70	Drought and biodiversity in Grasslands. Oecologia, 1992, 89, 257-264.	0.9	236
71	Root depth distribution and the diversityâ€“productivity relationship in a longâ€term grassland experiment. Ecology, 2013, 94, 787-793.	1.5	233
72	Dynamics of vesicular-arbuscular mycorrhizae during old field succession. Oecologia, 1991, 86, 349-358.	0.9	232

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73	Allocation and the Transient Dynamics of Succession on Poor Soils. Ecology, 1990, 71, 1144-1155.	1.5	223
74	Soil carbon sequestration accelerated by restoration of grassland biodiversity. Nature Communications, 2019, 10, 718.	5.8	216
75	Bioenergy and Wildlife: Threats and Opportunities for Grassland Conservation. BioScience, 2009, 59, 767-777.	2.2	212
76	The effects of long-term nitrogen loading on grassland insect communities. Oecologia, 2000, 124, 73-84.	0.9	205
77	Insect species diversity, abundance and body size relationships. Nature, 1996, 380, 704-706.	13.7	201
78	Seed limitation and the regulation of community structure in oak savanna grassland. Journal of Ecology, 2003, 91, 999-1007.	1.9	188
79	Carbon and nitrogen cycling during old-field succession: Constraints on plant and microbial biomass. Biogeochemistry, 1990, 11, 111.	1.7	186
80	Plant spectral diversity integrates functional and phylogenetic components of biodiversity and predicts ecosystem function. Nature Ecology and Evolution, 2018, 2, 976-982.	3.4	185
81	Mechanisms responsible for the positive diversity-productivity relationship in Minnesota grasslands. Ecology Letters, 2004, 7, 661-668.	3.0	184
82	Competition and nutrient kinetics along a temperature gradient: An experimental test of a mechanistic approach to niche theory1. Limnology and Oceanography, 1981, 26, 1020-1033.	1.6	180
83	Oscillations and chaos in the dynamics of a perennial grass. Nature, 1991, 353, 653-655.	13.7	179
84	Variation in growth rate and ecophysiology among 34 grassland and savanna species under contrasting N supply: a test of functional group differences. New Phytologist, 2003, 157, 617-631.	3.5	179
85	Plant diversity effects on grassland productivity are robust to both nutrient enrichment and drought. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150277.	1.8	169
86	Ecological Experimentation: Strengths and Conceptual Problems. , 1989, , 136-157.		162
87	QUADRATIC VARIATION IN OLD-FIELD SPECIES RICHNESS ALONG GRADIENTS OF DISTURBANCE AND NITROGEN. Ecology, 2002, 83, 492-504.	1.5	155
88	Plant diversity controls arthropod biomass and temporal stability. Ecology Letters, 2012, 15, 1457-1464.	3.0	153
89	Low biodiversity state persists two decades after cessation of nutrient enrichment. Ecology Letters, 2013, 16, 454-460.	3.0	151
90	Soil carbon sequestration in prairie grasslands increased by chronic nitrogen addition. Ecology, 2012, 93, 2030-2036.	1.5	147

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91	Linkages between plant functional composition, fine root processes and potential soil N mineralization rates. Journal of Ecology, 2009, 97, 48-56.	1.9	145
92	Pocket gophers (Geomys bursarius), vegetation, and soil nitrogen along a successional sere in east central Minnesota. Oecologia, 1987, 72, 178-184.	0.9	141
93	Global change effects on plant communities are magnified by time and the number of global change factors imposed. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 17867-17873.	3.3	141
94	Plant succession and gopher disturbance along an experimental gradient. Oecologia, 1983, 60, 285-292.	0.9	138
95	Long-term increased grain yield and soil fertility from intercropping. Nature Sustainability, 2021, 4, 943-950.	11.5	137
96	Asynchrony among local communities stabilises ecosystem function of metacommunities. Ecology Letters, 2017, 20, 1534-1545.	3.0	136
97	Plant diversity drives soil microbial biomass carbon in grasslands irrespective of global environmental change factors. Global Change Biology, 2015, 21, 4076-4085.	4.2	134
98	FIRE SUPPRESSION AND ECOSYSTEM CARBON STORAGE. Ecology, 2000, 81, 2680-2685.	1.5	131
99	Interactive effects of fertilization and disturbance on community structure and resource availability in an old-field plant community. Oecologia, 1991, 88, 61-71.	0.9	127
100	Soil fertility increases with plant species diversity in a long-term biodiversity experiment. Oecologia, 2008, 158, 85-93.	0.9	124
101	Species richness, but not phylogenetic diversity, influences community biomass production and temporal stability in a reâ€examination of 16 grassland biodiversity studies. Functional Ecology, 2015, 29, 615-626.	1.7	124
102	Diversity of plant evolutionary lineages promotes arthropod diversity. Ecology Letters, 2012, 15, 1308-1317.	3.0	108
103	ECOLOGY:Diversity and Production in European Grasslands. Science, 1999, 286, 1099-1100.	6.0	105
104	Biodiversity and Ecosystem Properties. Science, 1997, 278, 1865c-1869.	6.0	104
105	Traits linked with species invasiveness and community invasibility vary with time, stage and indicator of invasion in a longâ€term grassland experiment. Ecology Letters, 2019, 22, 593-604.	3.0	103
106	Proactive conservation to prevent habitat losses to agricultural expansion. Nature Sustainability, 2021, 4, 314-322.	11.5	101
107	Responses of Legumes to Herbivores and Nutrients During Succession on a Nitrogen-Poor Soil. Ecology, 1995, 76, 2648-2655.	1.5	100
108	Deficits of biodiversity and productivity linger a century after agricultural abandonment. Nature Ecology and Evolution, 2019, 3, 1533-1538.	3.4	98

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109	The economic value of grassland species for carbon storage. Science Advances, 2017, 3, e1601880.	4.7	96
110	Diversity-dependent temporal divergence of ecosystem functioning in experimental ecosystems. Nature Ecology and Evolution, 2017, 1, 1639-1642.	3.4	95
111	The results of biodiversityâ€"ecosystem functioning experiments are realistic. Nature Ecology and Evolution, 2020, 4, 1485-1494.	3.4	93
112	Long-term oscillations in grassland productivity induced by drought. Ecology Letters, 2002, 5, 110-120.	3.0	92
113	Resource limitation in a competitive context determines complex plant responses to experimental resource additions. Ecology, 2013, 94, 2505-2517.	1.5	92
114	Biodiversity and decomposition in experimental grassland ecosystems. Oecologia, 2001, 126, 429-433.	0.9	91
115	Resource availability underlies the plantâ€fungal diversity relationship in a grassland ecosystem. Ecology, 2018, 99, 204-216.	1.5	91
116	DOES METABOLIC THEORY APPLY TO COMMUNITY ECOLOGY? IT'S A MATTER OF SCALE. Ecology, 2004, 85, 1797-1799.	1.5	88
117	Little bluestem litter dynamics in Minnesota old fields. Oecologia, 1987, 72, 327-330.	0.9	83
118	Abundance, diversity and body size: patterns from a grassland arthropod community. Journal of Animal Ecology, 1999, 68, 824-835.	1.3	83
119	Sustainable intensification of high-diversity biomass production for optimal biofuel benefits. Nature Sustainability, 2018, 1, 686-692.	11.5	78
120	BIOLOGICAL WEED CONTROL VIA NUTRIENT COMPETITION: POTASSIUM LIMITATION OF DANDELIONS. , 1999, 9, 103-111.		77
121	Shifting grassland plant community structure drives positive interactive effects of warming and diversity on aboveground net primary productivity. Global Change Biology, 2016, 22, 741-749.	4.2	77
122	Plant biodiversity and the regeneration of soil fertility. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	76
123	Biotic homogenization destabilizes ecosystem functioning by decreasing spatial asynchrony. Ecology, 2021, 102, e03332.	1.5	74
124	Food webs obscure the strength of plant diversity effects on primary productivity. Ecology Letters, 2017, 20, 505-512.	3.0	73
125	The Diet, Health, and Environment Trilemma. Annual Review of Environment and Resources, 2018, 43, 109-134.	5.6	73
126	Air-quality-related health damages of maize. Nature Sustainability, 2019, 2, 397-403.	11.5	73

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127	Nitrogen mineralization and nitrification in four Minnesota old fields. Oecologia, 1987, 71, 481-485.	0.9	70
128	Air qualityâ€“related health damages of food. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	70
129	Biodiversity enhances the multitrophic control of arthropod herbivory. Science Advances, 2020, 6, .	4.7	68
130	Seasonal Variation in the NDVIâ€“Species Richness Relationship in a Prairie Grassland Experiment (Cedar) Tj ETQq0 0 0 rgBT /Overlock 1	1.8	65
131	Introduced species that overcome life history tradeoffs can cause native extinctions. Nature Communications, 2018, 9, 2131.	5.8	64
132	Benefits of intensive agricultural intercropping. Nature Plants, 2020, 6, 604-605.	4.7	63
133	ECOLOGY:Enhanced: Diversity by Default. Science, 1999, 283, 495-496.	6.0	62
134	Restoring Abandoned Farmland to Mitigate Climate Change on a Full Earth. One Earth, 2020, 3, 176-186.	3.6	60
135	Diversification, Biotic Interchange, and the Universal Trade-Off Hypothesis. American Naturalist, 2011, 178, 355-371.	1.0	58
136	Invasions of equilibria: tests of resource competition using two species of algae. Oecologia, 1984, 61, 197-200.	0.9	55
137	Interspecific competition among grasshoppers and their effect on plant abundance in experimental field environments. Oecologia, 1992, 89, 524-532.	0.9	53
138	Range contraction enables harvesting to extinction. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3945-3950.	3.3	53
139	Climate warming promotes species diversity, but with greater taxonomic redundancy, in complex environments. Science Advances, 2017, 3, e1700866.	4.7	50
140	Forbs, grasses, and grassland fire behaviour. Journal of Ecology, 2018, 106, 1983-2001.	1.9	45
141	Tree diversity, tree height and environmental harshness in eastern and western North America. Ecology Letters, 2016, 19, 743-751.	3.0	43
142	Selective herbivory on a nitrogen fixing legume (<i>Lathyrus venosus</i>) influences productivity and ecosystem nitrogen pools in an oak savanna. Ecoscience, 2000, 7, 166-174.	0.6	41
143	Longâ€lasting effects on nitrogen cycling 12 years after treatments cease despite minimal longâ€term nitrogen retention. Global Change Biology, 2009, 15, 1755-1766.	4.2	40
144	Limited evidence for spatial resource partitioning across temperate grassland biodiversity experiments. Ecology, 2020, 101, e02905.	1.5	40

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145	Grassland biodiversity can pay. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3876-3881.	3.3	38
146	Resistance of soil biota and plant growth to disturbance increases with plant diversity. Ecology Letters, 2020, 23, 119-128.	3.0	38
147	Foodâ€web composition and plant diversity control foliar nutrient content and stoichiometry. Journal of Ecology, 2015, 103, 1432-1441.	1.9	36
148	Recovery as nitrogen declines. Nature, 2015, 528, 336-337.	13.7	36
149	Diversity breeds complementarity. Nature, 2014, 515, 44-45.	13.7	35
150	Diversityâ€dependent soil acidification under nitrogen enrichment constrains biomass productivity. Global Change Biology, 2020, 26, 6594-6603.	4.2	31
151	Predictions of species interactions from consumer-resource theory: experimental tests with grasshoppers and plants. Oecologia, 1993, 94, 516-527.	0.9	29
152	Grassland ecosystem recovery after soil disturbance depends on nutrient supply rate. Ecology Letters, 2020, 23, 1756-1765.	3.0	29
153	Plant effects on soil N mineralization are mediated by the composition of multiple soil organic fractions. Ecological Research, 2011, 26, 201-208.	0.7	26
154	Ambient changes exceed treatment effects on plant species abundance in global change experiments. Global Change Biology, 2018, 24, 5668-5679.	4.2	25
155	Global protected areas seem insufficient to safeguard half of the world's mammals from human-induced extinction. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	24
156	Phenological responses of prairie plants vary among species and year in a threeâ€year experimental warming study. Ecosphere, 2015, 6, 1-15.	1.0	23
157	Identifying mechanisms that structure ecological communities by snapping model parameters to empirically observed tradeoffs. Ecology Letters, 2018, 21, 494-505.	3.0	22
158	Mechanistically derived dispersal kernels explain speciesâ€level patterns of recruitment and succession. Ecology, 2018, 99, 2415-2420.	1.5	22
159	Does diversity beget stability?. Nature, 1994, 371, 114-114.	13.7	20
160	SPECIES RESPONSES TO NITROGEN FERTILIZATION IN HERBACEOUS PLANT COMMUNITIES, AND ASSOCIATED SPECIES TRAITSEcological ArchivesE089-070. Ecology, 2008, 89, 1175-1175.	1.5	20
161	An evolutionary approach to ecosystem functioning. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 10979-10980.	3.3	19
162	Community diversity outweighs effect of warming on plant colonization. Global Change Biology, 2020, 26, 3079-3090.	4.2	17

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163	Biodiversity & Environmental Sustainability amid Human Domination of Global Ecosystems. Daedalus, 2012, 141, 108-120.	0.9	16
164	Impact of multiple small and persistent threats on extinction risk. Conservation Biology, 2022, 36, .	2.4	16
165	Consequences of elevated temperatures on legume biomass and nitrogen cycling in a field warming and biodiversity experiment in a North American prairie. Functional Plant Biology, 2013, 40, 1147.	1.1	15
166	The Benefits of Natural Disasters. Science, 1996, 273, 1518-0.	6.0	14
167	Functional Diversity. , 2001, , 587-596.		14
168	Further reâ€analyses looking for effects of phylogenetic diversity on community biomass and stability. Functional Ecology, 2015, 29, 1607-1610.	1.7	13
169	Towards a theoretical basis for ecosystem conservation. Ecological Research, 2001, 16, 983-995.	0.7	12
170	Seed and microsite limitation in a late-successional old field: the effects of water, adults, litter, and small mammals on seeds and seedlings. Plant Ecology, 2012, 213, 1003-1013.	0.7	12
171	Cultivate biodiversity to harvest food security and sustainability. Current Biology, 2021, 31, R1154-R1158.	1.8	12
172	Responseâ€"Ecosystem Services: Free Lunch No More. Science, 2012, 335, 656-657.	6.0	11
173	Diversity and stability in plant communities (Reply). Nature, 2007, 446, E7-E8.	13.7	10
174	Chronic fertilization and irrigation gradually and increasingly restructure grassland communities. Ecosphere, 2019, 10, e02625.	1.0	8
175	Temporal variability in production is not consistently affected by global change drivers across herbaceous-dominated ecosystems. Oecologia, 2020, 194, 735-744.	0.9	8
176	THE INVASION PARADOX: RECONCILING PATTERN AND PROCESS IN SPECIES INVASIONS. , 2007, 88, 3.		7
177	Quantifying the environmental limits to fire spread in grassy ecosystems. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	7
178	African mammals, foodwebs, and coexistence. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 7890-7891.	3.3	6
179	Tree diversity in relation to maximum tree height: evidence for the harshness hypothesis of species diversity gradients. Ecology Letters, 2017, 20, 398-399.	3.0	6
180	Extinction, climate change and the ecology of <i>Homo sapiens</i>. Journal of Ecology, 2022, 110, 744-750.	1.9	5

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181	Species fragmentation or area loss?. Nature, 1996, 382, 216-216.	13.7	4
182	Fire Suppression and Ecosystem Carbon Storage. Ecology, 2000, 81, 2680.	1.5	4
183	Might field experiments also be inadvertent metacommunities?. Ecology, 2022, 103, e3694.	1.5	4
184	Response of Microtus pennsylvanicus to vegetation fertilized with various nutrients, with particular emphasis on sodium and nitrogen concentrations in plant tissues. Ecography, 1987, 10, 110-113.	2.1	3
185	Responseâ€"Biofuels. Science, 2009, 326, 1346-1346.	6.0	3
186	Reply to Le Pape et al.: Management is key to preventing marine extinctions. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E6275-E6276.	3.3	3
187	Broadly inflicted stressors can cause ecosystem thinning. Theoretical Ecology, 2019, 12, 207-223.	0.4	2
188	Reply to: Crop asynchrony stabilizes food production. Nature, 2020, 588, E13-E13.	13.7	1
189	Is fertilization efficiency misleading?. Nature, 2003, 422, 398-398.	13.7	0