

The Functions of Biological Diversity in an Age of Extinction

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Citation Report

#	ARTICLE	IF	CITATIONS
1	When did Earth appear habitable?. Proceedings of SPIE, 2012, , .	0.8	0
2	Biodiversity effects on ecosystem functioning change along environmental stress gradients. Ecology Letters, 2012, 15, 1397-1405.	6.4	142
3	The impact of chemical pollution on biodiversity and ecosystem services: the need for an improved understanding. Integrated Environmental Assessment and Management, 2012, 8, 575-576.	2.9	26
4	Stress as a modifier of biodiversity effects on ecosystem processes?. Journal of Animal Ecology, 2012, 81, 1143-1145.	2.8	5
5	Biogeochemical fluxes in landscapes. Landscape Ecology, 2013, 28, 577-581.	4.2	1
6	Global climate change and the evolutionary ecology of ecosystem functioning. Annals of the New York Academy of Sciences, 2013, 1297, 61-72.	3.8	32
7	The role of recurrent disturbances for ecosystem multifunctionality. Ecology, 2013, 94, 2275-2287.	3.2	103
8	Elevated CO ₂ influences microbial carbon and nitrogen cycling. BMC Microbiology, 2013, 13, 124.	3.3	47
9	Which are, what is their status and what can we expect from ecosystem services provided by Spanish rivers and riparian areas?. Biodiversity and Conservation, 2013, 22, 2469-2503.	2.6	39
10	Life in the salinity gradient: Discovering mechanisms behind a new biodiversity pattern. Estuarine, Coastal and Shelf Science, 2013, 135, 317-327.	2.1	138
11	How Fisheries Affect Evolution. Science, 2013, 342, 1176-1177.	12.6	23
12	Linking Ecology and Ethics for a Changing World. , 2013, , .		23
13	Realistic changes in seaweed biodiversity affect multiple ecosystem functions on a rocky shore. Ecology, 2013, 94, 1944-1954.	3.2	45
14	A global meta-analysis of the biodiversity and ecosystem service benefits of coffee and cacao agroforestry. Agriculture, Ecosystems and Environment, 2013, 175, 1-7.	5.3	242
15	Linking microbial community structure to β -glucosidic function in soil aggregates. ISME Journal, 2013, 7, 2044-2053.	9.8	110
16	Plant diversity does not buffer drought effects on early-stage litter mass loss rates and microbial properties. Global Change Biology, 2013, 19, 2795-2803.	9.5	76
17	Plant diversity effects on soil food webs are stronger than those of elevated CO ₂ and N deposition in a long-term grassland experiment. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 6889-6894.	7.1	204
18	Medical and Biological Engineering in the Next 20 Years: The Promise and the Challenges. IEEE Transactions on Biomedical Engineering, 2013, 60, 1767-1775.	4.2	12

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19	Coexistence, niches and biodiversity effects on ecosystem functioning. <i>Ecology Letters</i> , 2013, 16, 116-127.	6.4	134
20	A functional approach reveals community responses to disturbances. <i>Trends in Ecology and Evolution</i> , 2013, 28, 167-177.	8.7	1,341
21	Biodiversity decreases disease through predictable changes in host community competence. <i>Nature</i> , 2013, 494, 230-233.	27.8	288
22	Mainstreaming ecosystem services into EU policy. <i>Current Opinion in Environmental Sustainability</i> , 2013, 5, 128-134.	6.3	85
23	Tree species diversity increases fine root productivity through increased soil volume filling. <i>Journal of Ecology</i> , 2013, 101, 210-219.	4.0	175
24	Identity effects dominate the impacts of multiple species extinctions on the functioning of complex food webs. <i>Ecology</i> , 2013, 94, 169-179.	3.2	20
25	Response diversity determines the resilience of ecosystems to environmental change. <i>Biological Reviews</i> , 2013, 88, 349-364.	10.4	481
26	Trophic complexity enhances ecosystem functioning in an aquatic detritus-based model system. <i>Journal of Animal Ecology</i> , 2013, 82, 1042-1051.	2.8	65
27	Biodiversity effects of ecosystem engineers are stronger on more complex ecosystem processes. <i>Ecology</i> , 2013, 94, 1977-1985.	3.2	21
28	Rare Species Support Vulnerable Functions in High-Diversity Ecosystems. <i>PLoS Biology</i> , 2013, 11, e1001569.	5.6	654
29	Use of provisioning ecosystem services drives loss of functional traits across land use intensification gradients in tropical forests in Madagascar. <i>Biological Conservation</i> , 2013, 161, 118-127.	4.1	30
30	Effects of predator richness on prey suppression: a meta-analysis. <i>Ecology</i> , 2013, 94, 2180-2187.	3.2	160
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32	Consistent Effects of Biodiversity on Ecosystem Functioning Under Varying Density and Evenness. <i>Folia Geobotanica</i> , 2013, 48, 335-353.	0.9	18
33	Arthropod assemblage homogenization in oceanic islands: the role of indigenous and exotic species under landscape disturbance. <i>Diversity and Distributions</i> , 2013, 19, 1450-1460.	4.1	39
34	Chemical footprint: A methodological framework for bridging life cycle assessment and planetary boundaries for chemical pollution. <i>Integrated Environmental Assessment and Management</i> , 2013, 9, 623-632.	2.9	70
35	Biodiversity and Ecosystem Services. , 2013, , 29-40.		7
36	Biodiversity effects of benthic ecosystem engineers on the spatial patterns of sediment CH ₄ concentration in an urban Neotropical coastal lagoon. <i>Acta Limnologica Brasiliensia</i> , 2013, 25, 302-314.	0.4	1

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37	Genomic Approaches in Marine Biodiversity and Aquaculture. <i>Biological Research</i> , 2013, 46, 353-361.	3.4	20
38	Sponge Communities on Caribbean Coral Reefs Are Structured by Factors That Are Top-Down, Not Bottom-Up. <i>PLoS ONE</i> , 2013, 8, e62573.	2.5	63
39	Are Hotspots Always Hotspots? The Relationship between Diversity, Resource and Ecosystem Functions in the Arctic. <i>PLoS ONE</i> , 2013, 8, e74077.	2.5	42
40	The Effects of Body Mass on Dung Removal Efficiency in Dung Beetles. <i>PLoS ONE</i> , 2014, 9, e107699.	2.5	97
41	Species Richness and Assemblages in Landscapes of Different Farming Intensity – Time to Revise Conservation Strategies?. <i>PLoS ONE</i> , 2014, 9, e109816.	2.5	8
42	<i>Journal of Oceanography and Marine Research</i> . <i>Oceanography Open Access</i> , 2014, 05, .	0.1	0
43	Against the tide: Recent diversity increase enhances resource use in a coastal ecosystem. <i>Limnology and Oceanography</i> , 2014, 59, 267-274.	3.1	22
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45	Using expert knowledge and modeling to define mangrove composition, functioning, and threats and estimate time frame for recovery. <i>Ecology and Evolution</i> , 2014, 4, 2247-2262.	1.9	54
46	Invaded grassland communities have altered stability-maintenance mechanisms but equal stability compared to native communities. <i>Ecology Letters</i> , 2014, 17, 92-100.	6.4	53
47	The emergence and promise of functional biogeography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 13690-13696.	7.1	525
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49	President's Message: President's Message. <i>Environmental Practice</i> , 2014, 16, 270-271.	0.3	0
50	Tree diversity promotes functional dissimilarity and maintains functional richness despite species loss in predator assemblages. <i>Oecologia</i> , 2014, 174, 533-543.	2.0	29
51	Effects of tree and herb biodiversity on Diptera, a hyperdiverse insect order. <i>Oecologia</i> , 2014, 174, 1387-1400.	2.0	29
52	Ecological consequences through responses of plant and soil communities to changing winter climate. <i>Ecological Research</i> , 2014, 29, 547-559.	1.5	10
53	Conservation of forest biodiversity and ecosystem properties in a pastoral landscape of the Ecuadorian Andes. <i>Agroforestry Systems</i> , 2014, 88, 369-381.	2.0	5
54	Metapopulation persistence and species spread in river networks. <i>Ecology Letters</i> , 2014, 17, 426-434.	6.4	113

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55	Does logging and forest conversion to oil palm agriculture alter functional diversity in a biodiversity hotspot?. <i>Animal Conservation</i> , 2014, 17, 163-173.	2.9	126
56	Asynchrony of taxonomic, functional and phylogenetic diversity in birds. <i>Global Ecology and Biogeography</i> , 2014, 23, 780-788.	5.8	91
57	Consequences of biodiversity loss for litter decomposition across biomes. <i>Nature</i> , 2014, 509, 218-221.	27.8	600
58	Phylogenetic diversity stabilizes community biomass. <i>Journal of Plant Ecology</i> , 2014, 7, 176-187.	2.3	15
59	Functional and phylogenetic diversity of woody plants drive herbivory in a highly diverse forest. <i>New Phytologist</i> , 2014, 202, 864-873.	7.3	43
60	The effects of forest management on wood-inhabiting fungi occupying dead wood of different diameter fractions. <i>Forest Ecology and Management</i> , 2014, 313, 283-291.	3.2	51
61	Litter decomposition in a temperate and a tropical stream: the effects of species mixing, litter quality and shredders. <i>Freshwater Biology</i> , 2014, 59, 438-449.	2.4	59
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63	Global patterns and predictors of bird species responses to forest fragmentation: Implications for ecosystem function and conservation. <i>Biological Conservation</i> , 2014, 169, 372-383.	4.1	266
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66	Reactive forest management can also be proactive for wood-living beetles in hollow oak trees. <i>Biological Conservation</i> , 2014, 180, 75-83.	4.1	30
67	The changing role of history in restoration ecology. <i>Frontiers in Ecology and the Environment</i> , 2014, 12, 499-506.	4.0	299
68	A framework for investigating general patterns of benthic β -diversity along estuaries. <i>Estuarine, Coastal and Shelf Science</i> , 2014, 149, 223-231.	2.1	24
69	Protecting the Commons: the use of Subtidal Ecosystem Engineers in Marine Management. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2014, 24, 275-286.	2.0	30
70	Functional over-redundancy and high functional vulnerability in global fish faunas on tropical reefs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 13757-13762.	7.1	391
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72	Combining genetic analyses of archived specimens with distribution modelling to explain the anomalous distribution of the rare lichen <i>Staurolemma omphalarioides</i> : long-distance dispersal or vicariance?. <i>Journal of Biogeography</i> , 2014, 41, 2020-2031.	3.0	25

#	ARTICLE	IF	CITATIONS
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74	Non-random biodiversity loss underlies predictable increases in viral disease prevalence. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20130947.	3.4	69
75	Sown species richness and realized diversity can influence functioning of plant communities differently. <i>Die Naturwissenschaften</i> , 2014, 101, 637-644.	1.6	19
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78	The relationship between tree biodiversity and biomass dynamics changes with tropical forest succession. <i>Ecology Letters</i> , 2014, 17, 1158-1167.	6.4	173
79	Woody plant phylogenetic diversity mediates bottom–up control of arthropod biomass in species-rich forests. <i>Oecologia</i> , 2014, 176, 171-182.	2.0	32
80	Global mismatch between species richness and vulnerability of reef fish assemblages. <i>Ecology Letters</i> , 2014, 17, 1101-1110.	6.4	78
81	Network analysis indices reflect extreme hydrodynamic conditions in a shallow estuarine lake (Lake Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	8.3	22
82	Connecting stressors, ocean ecosystem services, and human health. <i>Natural Resources Forum</i> , 2014, 38, 157-167.	3.6	66
83	Ecological role and services of tropical mangrove ecosystems: a reassessment. <i>Global Ecology and Biogeography</i> , 2014, 23, 726-743.	5.8	555
84	Taking Biodiversity to School: Systematics, Evolutionary Biology, and the Nature of Science. <i>Systematic Botany</i> , 2014, 39, 677-680.	0.5	2
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88	Early positive effects of tree species richness on herbivory in a large-scale forest biodiversity experiment influence tree growth. <i>Journal of Ecology</i> , 2015, 103, 563-571.	4.0	43
89	Carbon management in dryland agricultural systems. A review. <i>Agronomy for Sustainable Development</i> , 2015, 35, 1319-1334.	5.3	113
90	The up-scaling of ecosystem functions in a heterogeneous world. <i>Scientific Reports</i> , 2015, 5, 10349.	3.3	38

#	ARTICLE	IF	CITATIONS
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92	Local diversity reduces infection risk across multiple freshwater hostâ€­parasite associations. <i>Freshwater Biology</i> , 2015, 60, 2445-2454.	2.4	15
93	Nesting strategies affect altitudinal distribution and habitat use in Alpine dung beetle communities. <i>Ecological Entomology</i> , 2015, 40, 372-380.	2.2	12
94	Prey diversity and prey identity affect herbivore performance on different time scales in a long term aquatic foodâ€­web experiment. <i>Oikos</i> , 2015, 124, 1192-1202.	2.7	8
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101	Scaling-up Trait Variation from Individuals to Ecosystems. <i>Advances in Ecological Research</i> , 2015, , 1-17.	2.7	31
102	Perspectives for ecosystem management based on ecosystem resilience and ecological thresholds against multiple and stochastic disturbances. <i>Ecological Indicators</i> , 2015, 57, 395-408.	6.3	106
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105	Biotic homogenization: Loss of avian functional richness and habitat specialists in disturbed Andean temperate forests. <i>Biological Conservation</i> , 2015, 192, 418-427.	4.1	73
106	Towards global interoperability for supporting biodiversity research on essential biodiversity variables (EBVs). <i>Biodiversity</i> , 2015, 16, 99-107.	1.1	38
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#	ARTICLE	IF	CITATIONS
109	Analysis of biodiversity experiments: A comparison of traditional and linear-model-based methods. <i>Acta Oecologica</i> , 2015, 63, 47-55.	1.1	1
110	Biogeochemical implications of biodiversity and community structure across multiple coastal ecosystems. <i>Ecological Monographs</i> , 2015, 85, 117-132.	5.4	23
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112	Microbial ecology of hot desert edaphic systems. <i>FEMS Microbiology Reviews</i> , 2015, 39, 203-221.	8.6	299
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125	Analytical formulae for computing dominance from species-abundance distributions. <i>Journal of Theoretical Biology</i> , 2015, 386, 147-158.	1.7	9
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#	ARTICLE	IF	CITATIONS
127	Life in the Aftermath of Mass Extinctions. <i>Current Biology</i> , 2015, 25, R941-R952.	3.9	81
128	Fighting carbon loss of degraded peatlands by jump-starting ecosystem functioning with ecological restoration. <i>Science of the Total Environment</i> , 2015, 537, 268-276.	8.0	42
129	The use of farmers' knowledge in coffee agroforestry management: implications for the conservation of tree biodiversity. <i>Ecosphere</i> , 2015, 6, 1-17.	2.2	57
130	Biodiversity comparison among phylogenetic diversity metrics and between three North American prairies. <i>Applications in Plant Sciences</i> , 2015, 3, 1400108.	2.1	21
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137	Can green iguanas compensate for vanishing seed dispersers in the Atlantic forest fragments of north-east Brazil?. <i>Journal of Zoology</i> , 2015, 295, 189-196.	1.7	11
138	Late Quaternary climate change, relict populations and present-day refugia in the northern Atacama Desert: a case study from Quebrada La Higuera (18°S). <i>Journal of Biogeography</i> , 2015, 42, 76-88.	3.0	40
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#	ARTICLE	IF	CITATIONS
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147	Measuring the functional redundancy of biological communities: a quantitative guide. <i>Methods in Ecology and Evolution</i> , 2016, 7, 1386-1395.	5.2	197
148	Biodiversity and human well-being: an essential link for sustainable development. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20162091.	2.6	137
149	Effects of biodiversity strengthen over time as ecosystem functioning declines at low and increases at high biodiversity. <i>Ecosphere</i> , 2016, 7, e01619.	2.2	87
150	Biodiversity as a multidimensional construct: a review, framework and case study of herbivory's impact on plant biodiversity. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20153005.	2.6	52
151	Understanding the value of plant diversity for ecosystem functioning through niche theory. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20160536.	2.6	96
152	Using avian functional traits to assess the impact of land-cover change on ecosystem processes linked to resilience in tropical forests. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20161289.	2.6	109
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155	Changing land use and its impact on the habitat suitability for wintering Anseriformes in China's Poyang Lake region. <i>Science of the Total Environment</i> , 2016, 557-558, 296-306.	8.0	90
156	Rare species contribute disproportionately to the functional structure of species assemblages. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20160084.	2.6	277
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159	Disentangling the effect of body size and phylogenetic distances on zooplankton top-down control of algae. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20160487.	2.6	46
160	Fundamental shifts of central hardwood forests under climate change. <i>Ecological Modelling</i> , 2016, 332, 28-41.	2.5	24
161	No safety in the trees: Local and species-level adaptation of an arboreal squirrel to the venom of sympatric rattlesnakes. <i>Toxicon</i> , 2016, 118, 149-155.	1.6	19
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#	ARTICLE	IF	CITATIONS
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164	Improving ecosystem services modelling: Insights from a Bayesian network tools review. <i>Environmental Modelling and Software</i> , 2016, 85, 184-201.	4.5	40
165	Integrating ecosystem functions into restoration ecology—recent advances and future directions. <i>Restoration Ecology</i> , 2016, 24, 722-730.	2.9	140
166	A dirty job: manure removal by dung beetles in both a cattle ranch and laboratory setting. <i>Entomologia Experimentalis Et Applicata</i> , 2016, 161, 70-78.	1.4	23
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185	Conservation of tree species of late succession and conservation concern in coffee agroforestry systems. <i>Agriculture, Ecosystems and Environment</i> , 2016, 219, 32-41.	5.3	30
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197	Effects of habitat and landscape quality on amphibian assemblages of urban stormwater ponds. <i>Urban Ecosystems</i> , 2017, 20, 1249-1259.	2.4	31
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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