Mark A Bradford

List of Publications by Year
in descending order

201 papers	28,546 citations	11608 70 h-index	5806 161 g-index
211 all docs	211 docs citations	211 times ranked	23994 citing authors

#	Article	IF	Citations
1	TOWARD AN ECOLOGICAL CLASSIFICATION OF SOIL BACTERIA. Ecology, 2007, 88, 1354-1364.	1.5	3,728
2	The influence of soil properties on the structure of bacterial and fungal communities across land-use types. Soil Biology and Biochemistry, 2008, 40, 2407-2415.	4.2	1,688
3	Comparative metagenomic, phylogenetic and physiological analyses of soil microbial communities across nitrogen gradients. ISME Journal, 2012, 6, 1007-1017.	4.4	1,405
4	Soil-carbon response to warming dependent on microbial physiology. Nature Geoscience, 2010, 3, 336-340.	5.4	1,192
5	Temperature and soil organic matter decomposition rates - synthesis of current knowledge and a way forward. Global Change Biology, 2011, 17, 3392-3404.	4.2	1,143
6	Global patterns in belowground communities. Ecology Letters, 2009, 12, 1238-1249.	3.0	957
7	Quantifying global soil carbon losses in response to warming. Nature, 2016, 540, 104-108.	13.7	879
8	Thermal adaptation of soil microbial respiration to elevated temperature. Ecology Letters, 2008, 11, 1316-1327.	3.0	690
9	Mapping tree density at a global scale. Nature, 2015, 525, 201-205.	13.7	642
10	Testing the functional significance of microbial community composition. Ecology, 2009, 90, 441-451.	1.5	635
11	Differential Growth Responses of Soil Bacterial Taxa to Carbon Substrates of Varying Chemical Recalcitrance. Frontiers in Microbiology, 2011, 2, 94.	1.5	504
12	Managing uncertainty in soil carbon feedbacks to climate change. Nature Climate Change, 2016, 6, 751-758.	8.1	491
13	Consistent effects of nitrogen fertilization on soil bacterial communities in contrasting systems. Ecology, 2010, 91, 3463-3470.	1.5	475
14	Understanding the dominant controls on litter decomposition. Journal of Ecology, 2016, 104, 229-238.	1.9	409
15	Global decomposition experiment shows soil animal impacts on decomposition are climateâ€dependent. Global Change Biology, 2008, 14, 2661-2677.	4.2	385
16	Microbial formation of stable soil carbon is more efficient from belowground than aboveground input. Nature Geoscience, 2019, 12, 46-53.	5.4	385
17	Where, when and how plantâ€“soil feedback matters in a changing world. Functional Ecology, 2016, 30, 1109-1121.	1.7	378
18	Global meta-analysis of the relationship between soil organic matter and crop yields. Soil, 2019, 5, 15-32.	2.2	344

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19	Microbiota, fauna, and mesh size interactions in litter decomposition. Oikos, 2002, 99, 317-323.	1.2	336
20	Pathways of mineralâ€associated soil organic matter formation: Integrating the role of plant carbon source, chemistry, and point of entry. Global Change Biology, 2019, 25, 12-24.	4.2	323
21	Biogeographic patterns in below-ground diversity in New York City's Central Park are similar to those observed globally. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20141988.	1.2	295
22	Climate fails to predict wood decomposition at regional scales. Nature Climate Change, 2014, 4, 625-630.	8.1	281
23	Evidence for the primacy of living root inputs, not root or shoot litter, in forming soil organic carbon. New Phytologist, 2019, 221, 233-246.	3.5	281
24	Thermal adaptation of decomposer communities in warming soils. Frontiers in Microbiology, 2013, 4, 333.	1.5	270
25	Litter quality is in the eye of the beholder: initial decomposition rates as a function of inoculum characteristics. Functional Ecology, 2009, 23, 627-636.	1.7	264
26	Impacts of Soil Faunal Community Composition on Model Grassland Ecosystems. Science, 2002, 298, 615-618.	6.0	260
27	Why are some microbes more ubiquitous than others? Predicting the habitat breadth of soil bacteria. Ecology Letters, 2014, 17, 794-802.	3.0	243
28	Soil carbon stocks in experimental mesocosms are dependent on the rate of labile carbon, nitrogen and phosphorus inputs to soils. Functional Ecology, 2008, 22, 964-974.	1.7	224
29	Empirical and theoretical challenges in abovegroundâ€“belowground ecology. Oecologia, 2009, 161, 1-14.	0.9	223
30	Empirical evidence that soil carbon formation from plant inputs is positively related to microbial growth. Biogeochemistry, 2013, 113, 271-281.	1.7	211
31	Untangling the fungal niche: the trait-based approach. Frontiers in Microbiology, 2014, 5, 579.	1.5	211
32	Integrating microbial ecology into ecosystem models: challenges and priorities. Biogeochemistry, 2012, 109, 7-18.	1.7	206
33	Biotic interactions mediate soil microbial feedbacks to climate change. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 7033-7038.	3.3	201
34	Fear of Predation Slows Plant-Litter Decomposition. Science, 2012, 336, 1434-1438.	6.0	197
35	Fungal Taxa Target Different Carbon Sources in Forest Soil. Ecosystems, 2008, 11, 1157-1167.	1.6	174
36	A test of the hierarchical model of litter decomposition. Nature Ecology and Evolution, 2017, 1, 1836-1845.	3.4	172

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37	A method for simultaneous measurement of soil bacterial abundances and community composition via 16S rRNA gene sequencing. Soil Biology and Biochemistry, 2016, 96, 145-151.	4.2	170
38	Multiple models and experiments underscore large uncertainty in soil carbon dynamics. Biogeochemistry, 2018, 141, 109-123.	1.7	169
39	Understanding how microbiomes influence the systems they inhabit. Nature Microbiology, 2018, 3, 977-982.	5.9	169
40	Animating the Carbon Cycle. Ecosystems, 2014, 17, 344-359.	1.6	168
41	Thermal acclimation in widespread heterotrophic soil microbes. Ecology Letters, 2013, 16, 469-477.	3.0	164
42	The influence of microbial communities, management, and soil texture on soil organic matter chemistry. Geoderma, 2009, 150, 278-286.	2.3	163
43	Discontinuity in the responses of ecosystem processes and multifunctionality to altered soil community composition. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14478-14483.	3.3	157
44	Thermal adaptation of heterotrophic soil respiration in laboratory microcosms. Global Change Biology, 2010, 16, 1576-1588.	4.2	154
45	Identifying the microbial taxa that consistently respond toÂsoil warming across time and space. Global Change Biology, 2017, 23, 2117-2129.	4.2	143
46	The role of Eriophorum vaginatum in CH4 flux from an ombrotrophic peatland. Plant and Soil, 2000, 227, 265-272.	1.8	134
47	Consequences of nonâ€random species loss for decomposition dynamics: experimental evidence for additive and nonâ€additive effects. Journal of Ecology, 2008, 96, 303-313.	1.9	127
48	Soil fauna alter the effects of litter composition on nitrogen cycling in a mineral soil. Soil Biology and Biochemistry, 2011, 43, 1440-1449.	4.2	127
49	NONADDITIVE EFFECTS OF LEAF LITTER SPECIES DIVERSITY ON BREAKDOWN DYNAMICS IN A DETRITUS-BASED STREAM. Ecology, 2007, 88, 1167-1176.	1.5	124
50	Biodiversity and ecosystem productivity: implications for carbon storage. Oikos, 2002, 97, 443-448.	1.2	111
51	Direct and indirect effects of nitrogen deposition on litter decomposition. Soil Biology and Biochemistry, 2008, 40, 688-698.	4.2	106
52	The effect of resource history on the functioning of soil microbial communities is maintained across time. Biogeosciences, 2011, 8, 1477-1486.	1.3	105
53	Litter quality impacts on grassland litter decomposition are differently dependent on soil fauna across time. Applied Soil Ecology, 2003, 24, 197-203.	2.1	104
54	Methane emissions from tree stems: a new frontier in the global carbon cycle. New Phytologist, 2019, 222, 18-28.	3.5	104

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55	Competitive network determines the direction of the diversityâ€“function relationship. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11464-11469.	3.3	102
56	A trait-based understanding of wood decomposition by fungi. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 11551-11558.	3.3	102
57	Decoupling the direct and indirect effects of nitrogen deposition on ecosystem function. Ecology Letters, 2006, 9, 1015-1024.	3.0	101
58	Predicting the responsiveness of soil biodiversity to deforestation: a crossâ€biome study. Global Change Biology, 2014, 20, 2983-2994.	4.2	101
59	Cross-biome patterns in soil microbial respiration predictable from evolutionary theory on thermal adaptation. Nature Ecology and Evolution, 2019, 3, 223-231.	3.4	100
60	Elevated methane concentrations in trees of an upland forest. Geophysical Research Letters, 2012, 39, .	1.5	99
61	FORUM: Challenges and future directions in urban afforestation. Journal of Applied Ecology, 2013, 50, 1169-1177.	1.9	94
62	Consistent trade-offs in fungal trait expression across broad spatial scales. Nature Microbiology, 2019, 4, 846-853.	5.9	94
63	Microbial stoichiometry overrides biomass as a regulator of soil carbon and nitrogen cycling. Ecology, 2015, 96, 1139-1149.	1.5	93
64	Soil microbial respiration adapts to ambient temperature in global drylands. Nature Ecology and Evolution, 2019, 3, 232-238.	3.4	89
65	The abundance, richness and functional role of soil meso- and macrofauna in temperate grasslandâ€"A case study. Applied Soil Ecology, 2006, 33, 186-198.	2.1	88
66	Do non-additive effects on decomposition in litter-mix experiments result from differences in resource quality between litters?. Oikos, 2003, 102, 235-242.	1.2	86
67	Evidence for large microbial-mediated losses of soil carbon under anthropogenic warming. Nature Reviews Earth & Environment, 2021, 2, 507-517.	12.2	85
68	Grass invasion of a hardwood forest is associated with declines in belowground carbon pools. Global Change Biology, 2010, 16, 1338-1350.	4.2	81
69	Soil carbon science for policy and practice. Nature Sustainability, 2019, 2, 1070-1072.	11.5	80
70	Carbon use efficiency and storage in terrestrial ecosystems. New Phytologist, 2013, 199, 7-9.	3.5	79
71	Diversity begets diversity in competition for space. Nature Ecology and Evolution, 2017, 1, 156.	3.4	79
72	Trophic cascade alters ecosystem carbon exchange. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 11035-11038.	3.3	78

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73	Disentangling the mechanisms underlying functional differences among decomposer communities. Journal of Ecology, 2014, 102, 603-609.	1.9	78
74	Direct effects of soil organic matter on productivity mirror those observed with organic amendments. Plant and Soil, 2018, 423, 363-373.	1.8	77
75	Social Insects Dominate Eastern US Temperate Hardwood Forest Macroinvertebrate Communities in Warmer Regions. PLoS ONE, 2013, 8, e75843.	1.1	72
76	Promoting Earth Stewardship through urban design experiments. Frontiers in Ecology and the Environment, 2013, 11, 362-367.	1.9	71
77	The interaction between propagule pressure, habitat suitability and densityâ€dependent reproduction in species invasion. Oikos, 2012, 121, 874-881.	1.2	69
78	Applying population and community ecology theory to advance understanding of belowground biogeochemistry. Ecology Letters, 2017, 20, 231-245.	3.0	69
79	Fungal interactions reduce carbon use efficiency. Ecology Letters, 2017, 20, 1034-1042.	3.0	65
80	Controlling factors and effects of chronic nitrogen and sulphur deposition on methane oxidation in a temperate forest soil. Soil Biology and Biochemistry, 2001, 33, 93-102.	4.2	62
81	Response of soil microbial community composition and function to a bottomland forest restoration intensity gradient. Applied Soil Ecology, 2017, 119, 317-326.	2.1	62
82	Climate history shapes contemporary leaf litter decomposition. Biogeochemistry, 2015, 122, 165-174.	1.7	60
83	The putative niche requirements and landscape dynamics of Microstegium vimineum: an invasive Asian grass. Biological Invasions, 2011, 13, 471-483.	1.2	59
84	The fate of glucose, a low molecular weight compound of root exudates, in the belowground foodweb of forests and pastures. Soil Biology and Biochemistry, 2012, 49, 23-29.	4.2	59
85	Nonlinear rootâ€derived carbon sequestration across a gradient of nitrogen and phosphorous deposition in experimental mesocosms. Global Change Biology, 2008, 14, 1113-1124.	4.2	58
86	Increasing microbial carbon use efficiency with warming predicts soil heterotrophic respiration globally. Global Change Biology, 2019, 25, 3354-3364.	4.2	55
87	Mutualism fails when climate response differs between interacting species. Global Change Biology, 2014, 20, 466-474.	4.2	53
88	Longâ€term research in ecology and evolution: a survey of challenges and opportunities. Ecological Monographs, 2018, 88, 245-258.	2.4	53
89	Positive effects of afforestation efforts on the health of urban soils. Forest Ecology and Management, 2014, 313, 266-273.	1.4	51
90	Growing the urban forest: tree performance in response to biotic and abiotic land management. Restoration Ecology, 2015, 23, 707-718.	1.4	51

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91	Environmental stress response limits microbial necromass contributions to soil organic carbon. Soil Biology and Biochemistry, 2015, 85, 153-161.	4.2	50
92	Soil nutrient heterogeneity interacts with elevated CO 2 and nutrient availability to determine species and assemblage responses in a model grassland community. New Phytologist, 2005, 168, 637-650.	3.5	49
93	Rates of in situ carbon mineralization in relation to land-use, microbial community and edaphic characteristics. Soil Biology and Biochemistry, 2010, 42, 260-269.	4.2	49
94	Temperature cues phenological synchrony in ant-mediated seed dispersal. Global Change Biology, 2011, 17, 2444-2454.	4.2	49
95	Nitrogen uptake and preference in a forest understory following invasion by an exotic grass. Oecologia, 2011, 167, 781-791.	0.9	48
96	Climate masks decomposer influence in a cross-site litter decomposition study. Soil Biology and Biochemistry, 2017, 107, 180-187.	4.2	47
97	Arctic Soil Governs Whether Climate Change Drives Global Losses or Gains in Soil Carbon. Geophysical Research Letters, 2019, 46, 14486-14495.	1.5	44
98	Ant colonization and coarse woody debris decomposition in temperate forests. Insectes Sociaux, 2012, 59, 215-221.	0.7	43
99	Re-visioning soil food webs. Soil Biology and Biochemistry, 2016, 102, 1-3.	4.2	43
100	Soil organic matter protects US maize yields and lowers crop insurance payouts under drought. Environmental Research Letters, 2021, 16, 044018.	2.2	43
101	Nitrogen and Phosphorus Release from Mixed Litter Layers is Lower than Predicted from Single Species Decay. Ecosystems, 2009, 12, 87-100.	1.6	42
102	Agricultural intensification and the functional capacity of soil microbes on smallholder African farms. Journal of Applied Ecology, 2015, 52, 744-752.	1.9	42
103	Species associations overwhelm abiotic conditions to dictate the structure and function of woodâ€decay fungal communities. Ecology, 2018, 99, 801-811.	1.5	42
104	A cityâ€scale assessment reveals that native forest types and overstory species dominate New York City forests. Ecological Applications, 2019, 29, e01819.	1.8	42
105	The adaptive response of a natural microbial population to carbon- and nitrogen-limitation. Ecology Letters, 2003, 6, 594-598.	3.0	40
106	Antâ€mediated seed dispersal does not facilitate niche expansion. Journal of Ecology, 2010, 98, 1178-1185.	1.9	40
107	Soil heterogeneity and community composition jointly influence grassland biomass. Journal of Vegetation Science, 2006, 17, 261-270.	1.1	39
108	Microbial communities may modify how litter quality affects potential decomposition rates as tree species migrate. Plant and Soil, 2013, 372, 167-176.	1.8	39

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109	Involving Ecologists in Shaping Large-Scale Green Infrastructure Projects. BioScience, 2013, 63, 882-890.	2.2	39
110	Linking functional diversity and ecosystem processes: A framework for using functional diversity metrics to predict the ecosystem impact of functionally unique species. Journal of Ecology, 2018, 106, 687-698.	1.9	39
111	The shape of things to come: woodland herb niche contraction begins during recruitment in mesic forest microhabitat. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 1390-1398.	1.2	37
112	Quantifying microbial control of soil organic matter dynamics at macrosystem scales. Biogeochemistry, 2021, 156, 19-40.	1.7	37
113	Temperate forest termites: ecology, biogeography, and ecosystem impacts. Ecological Entomology, 2015, 40, 199-210.	1.1	36
114	Direct evidence using a controlled greenhouse study for threshold effects of soil organic matter on crop growth. Ecological Applications, 2020, 30, e02073.	1.8	36
115	Linkages between below and aboveground communities: Decomposer responses to simulated tree species loss are largely additive. Soil Biology and Biochemistry, 2009, 41, 1155-1163.	4.2	35
116	The Biogeography of Microbial Communities and Ecosystem Processes: Implications for Soil and Ecosystem Models. , 2012, , 189-200.		35
117	Role of CH4 oxidation, production and transport in forest soil CH4 flux. Soil Biology and Biochemistry, 2001, 33, 1625-1631.	4.2	34
118	Root carbon flow from an invasive plant to belowground foodwebs. Plant and Soil, 2012, 359, 233-244.	1.8	34
119	Habitat, dispersal and propagule pressure control exotic plant infilling within an invaded range. Ecosphere, 2013, 4, 1-12.	1.0	34
120	Compositional differences in simulated root exudates elicit a limited functional and compositional response in soil microbial communities. Frontiers in Microbiology, 2015, 6, 817.	1.5	34
121	Carbon dynamics in a model grassland with functionally different soil communities. Functional Ecology, 2007, 21, 690-697.	1.7	32
122	Greenhouse trace gases in deadwood. Biogeochemistry, 2016, 130, 215-226.	1.7	31
123	Disturbance Decouples Biogeochemical Cycles Across Forests of the Southeastern US. Ecosystems, 2016, 19, 50-61.	1.6	31
124	The effects of acid nitrogen and acid sulphur deposition on CH4 oxidation in a forest soil: a laboratory study. Soil Biology and Biochemistry, 2001, 33, 1695-1702.	4.2	30
125	Impacts of invasive plant species on riparian plant assemblages: interactions with elevated atmospheric carbon dioxide and nitrogen deposition. Oecologia, 2007, 152, 791-803.	0.9	30
126	Grass Invasions Across a Regional Gradient are Associated with Declines in Belowground Carbon Pools. Ecosystems, 2012, 15, 1271-1282.	1.6	30

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127	Opposing effects of different soil organic matter fractions on crop yields. Ecological Applications, 2016, 26, 2072-2085.	1.8	30
128	Factors driving natural regeneration beneath a planted urban forest. Urban Forestry and Urban Greening, 2018, 29, 238-247.	2.3	29
129	Defining and assessing urban forests to inform management and policy. Environmental Research Letters, 2019, 14, 085002.	2.2	28
130	Surveying soil faunal communities using a direct molecular approach. Soil Biology and Biochemistry, 2009, 41, 1311-1314.	4.2	27
131	Competition as a mechanism structuring mutualisms. Journal of Ecology, 2014, 102, 486-495.	1.9	27
132	Forest invader replaces predation but not dispersal services by a keystone species. Biological Invasions, 2015, 17, 3153-3162.	1.2	27
133	Refining national greenhouse gas inventories. Ambio, 2020, 49, 1581-1586.	2.8	27
134	Soil CH4 oxidation: response to forest clearcutting and thinning. Soil Biology and Biochemistry, 2000, 32, 1035-1038.	4.2	26
135	Legacies of plant litter on carbon and nitrogen dynamics and the role of the soil community. Pedobiologia, 2012, 55, 185-192.	0.5	26
136	Farm management, not soil microbial diversity, controls nutrient loss from smallholder tropical agriculture. Frontiers in Microbiology, 2015, 6, 90.	1.5	26
137	Impacts of an invasive plant are fundamentally altered by a coâ€occurring forest disturbance. Ecology, 2017, 98, 2133-2144.	1.5	26
138	Substrate identity and amount overwhelm temperature effects on soil carbon formation. Soil Biology and Biochemistry, 2018, 124, 218-226.	4.2	26
139	How much SOM is needed for sustainable agriculture?. Frontiers in Ecology and the Environment, 2015, 13, 527-527.	1.9	25
140	Decoupling direct and indirect effects of temperature on decomposition. Soil Biology and Biochemistry, 2017, 112, 110-116.	4.2	25
141	The functional role of ericoid mycorrhizal plants and fungi on carbon and nitrogen dynamics in forests. New Phytologist, 2022, 235, 1701-1718.	3.5	25
142	Loss of faster-cycling soil carbon pools following grass invasion across multiple forest sites. Soil Biology and Biochemistry, 2011, 43, 452-454.	4.2	24
143	Assessing the functional implications of soil biodiversity in ecosystems. Ecological Research, 2001, 16, 845-858.	0.7	23
144	Performance and reproduction of an exotic invader across temperate forest gradients. Ecosphere, 2011, 2, art14.	1.0	23

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145	The crossâ€contamination and survival of Salmonella enteritidis PT4 on sterile and nonâ€sterile foodstuffs. Letters in Applied Microbiology, 1997, 24, 261-264.	1.0	22
146	Native, insect herbivore communities derive a significant proportion of their carbon from a widespread invader of forest understories. Biological Invasions, 2010, 12, 721-724.	1.2	21
147	Biofuel intercropping effects on soil carbon and microbial activity. Ecological Applications, 2015, 25, 140-150.	1.8	21
148	Cryptic indirect effects of exurban edges on a woodland community. Ecosphere, 2015, 6, 1-13.	1.0	20
149	Acceleration or deceleration of litter decomposition by herbivory depends on nutrient availability through intraspecific differences in induced plant resistance traits. Journal of Ecology, 2018, 106, 2380-2394.	1.9	20
150	Applying the Aboveground-Belowground Interaction Concept in Agriculture: Spatio-Temporal Scales Matter. Frontiers in Ecology and Evolution, 2019, 7, .	1.1	20
151	Decreased mass specific respiration under experimental warming is robust to the microbial biomass method employed. Ecology Letters, 2009, 12, E15.	3.0	19
152	Good dirt with good friends. Nature, 2014, 505, 486-487.	13.7	19
153	Improving scientific impact: How to practice science that influences environmental policy and management. Conservation Science and Practice, 2020, 2, e210.	0.9	19
154	Ericoid mycorrhizal shrubs alter the relationship between tree mycorrhizal dominance and soil carbon and nitrogen. Journal of Ecology, 2021, 109, 3524-3540.	1.9	19
155	Contingency in ecosystem but not plant community response to multiple global change factors. New Phytologist, 2012, 196, 462-471.	3.5	18
156	Environmental Heterogeneity and Interspecific Interactions Influence Nest Occupancy By Key Seed-Dispersing Ants. Environmental Entomology, 2012, 41, 463-468.	0.7	18
157	Field experiments show contradictory shortâ€and longâ€term myrmecochorous plant impacts on seedâ€dispersing ants. Ecological Entomology, 2019, 44, 30-39.	1.1	18
158	Toward an improved understanding of causation in the ecological sciences. Frontiers in Ecology and the Environment, 2022, 20, 474-480.	1.9	17
159	Seasonal Climate Trends, the North Atlantic Oscillation, and Salamander Abundance in the Southern Appalachian Mountain Region. Journal of Applied Meteorology and Climatology, 2010, 49, 1597-1603.	0.6	15
160	The effect of a quorum-quenching enzyme on leaf litter decomposition. Soil Biology and Biochemistry, 2013, 64, 65-67.	4.2	15
161	Reply to Byrnes et al.: Aggregation can obscure understanding of ecosystem multifunctionality. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E5491.	3.3	15
162	Consistent effects of eastern subterranean termites (Reticulitermes flavipes) on properties of a temperate forest soil. Soil Biology and Biochemistry, 2015, 91, 84-91.	4.2	15

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163	Ants: Ecology and Impacts in Dead Wood. Zoological Monographs, 2018, , 237-262.	1.1	15
164	Invasive lianas are drivers of and passengers to altered soil nutrient availability in urban forests. Biological Invasions, 2020, 22, 935-955.	1.2	15
165	Universal Ecological Patterns in College Basketball Communities. PLoS ONE, 2011, 6, e17342.	1.1	14
166	Plant invasion impacts on arthropod abundance, diversity and feeding consistent across environmental and geographic gradients. Biological Invasions, 2012, 14, 2625-2637.	1.2	14
167	Crowther et al. reply. Nature, 2018, 554, E7-E8.	13.7	14
168	The potential for mass ratio and trait divergence effects to explain idiosyncratic impacts of nonâ€native invasive plants on carbon mineralization of decomposing leaf litter. Functional Ecology, 2019, 33, 1156.	1.7	14
169	Positive associations of soil organic matter and crop yields across a regional network of working farms. Soil Science Society of America Journal, 2022, 86, 384-397.	1.2	14
170	Decoupling litter barrier and soil moisture influences on the establishment of an invasive grass. Plant and Soil, 2013, 367, 339-346.	1.8	13
171	Earthworms modify plant biomass and nitrogen capture under conditions of soil nutrient heterogeneity and elevated atmospheric CO 2 concentrations. Soil Biology and Biochemistry, 2014, 78, 182-188.	4.2	13
172	Compensatory Thermal Adaptation of Soil Microbial Respiration Rates in Global Croplands. Global Biogeochemical Cycles, 2020, 34, e2019GB006507.	1.9	13
173	Belowground community turnover accelerates the decomposition of standing dead wood. Ecology, 2021, 102, e03484.	1.5	13
174	Nitrogen recycling in coupled green and brown food webs: Weak effects of herbivory and detritivory when nitrogen passes through soil. Journal of Ecology, 2019, 107, 963-976.	1.9	12
175	Positive longâ€term impacts of restoration on soils in an experimental urban forest. Ecological Applications, 2021, 31, e02336.	1.8	12
176	Natural Area Forests in US Cities: Opportunities and Challenges. Journal of Forestry, 2021, 119, 141-151.	0.5	12
177	Signatures of an abiotic decomposition pathway in temperate forest leaf litter. Biogeochemistry, 2021, 153, 177-190.	1.7	11
178	Estimating carbon storage in urban forests of New York City. Urban Ecosystems, 2022, 25, 617-631.	1.1	11
179	Characterizing Organic Carbon Stocks and Flows in Forest Soils. , 2012, , 7-30.		10
180	Soil heterogeneity and community composition jointly influence grassland biomass. , 2006, 17, 261.		10

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181	A leaky sink. Nature Climate Change, 2017, 7, 475-476.	8.1	9
182	Leveraging a New Understanding of how Belowground Food Webs Stabilize Soil Organic Matter to Promote Ecological Intensification of Agriculture. , 2018, , 117-136.		9
183	Soil faunal assemblage composition modifies root in-growth to plant litter patches. Pedobiologia, 2007, 50, 505-513.	0.5	8
184	Slow-cycle effects of foliar herbivory alter the nitrogen acquisition and population size of Collembola. Soil Biology and Biochemistry, 2008, 40, 1253-1258.	4.2	8
185	Modelling the multidimensional niche by linking functional traits to competitive performance. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20150516.	1.2	8
186	Disentangling resource acquisition from interspecific behavioral aggression to understand the ecological dominance of a common, widespread temperate forest ant. Insectes Sociaux, 2020, 67, 179-187.	0.7	8
187	Temperature sensitivity of soil carbon. , 2019, , 175-208.		7
188	Diverging conditions of current and potential future urban forest patches. Ecosphere, 2022, 13, .	1.0	6
189	Nest-mediated seed dispersal. Plant Ecology, 2017, 218, 1213-1220.	0.7	5
190	Non-native Microstegium vimineum populations collapse with fungal leaf spot disease outbreak. Plant Ecology, 2021, 222, 107-117.	0.7	5
191	Soil nutrient recovery after shelterwood timber harvesting in a temperate oak hardwood forest: Insights using a twenty-five-year chronosequence. Forest Ecology and Management, 2021, 499, 119604.	1.4	5
192	Science petitions are a facade of numbers. Nature, 2013, 493, 480-480.	13.7	3
193	Linking Predation Risk, Herbivore Physiological Stress and Microbial Decomposition of Plant Litter. Journal of Visualized Experiments, 2013, , e50061.	0.2	3
194	SCALING TERRESTRIAL BIOGEOCHEMICAL PROCESSES CONTRASTING INTACT AND MODEL EXPERIMENTAL SYSTEMS. , 2006, , 109-130.		3
195	Scale dependence in functional equivalence and difference in the soil microbiome. Soil Biology and Biochemistry, 2021, 163, 108451.	4.2	3
196	Reply to Veresoglou: Overdependence on â€œsignificanceâ€•testing in biology. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E5114-E5114.	3.3	2
197	Global Change Impacts on Ant- Mediated Seed Dispersal in Eastern North American Forests. , 0, , 93-111.		2
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