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	Estimating carbon storage in urban forests of New York City. Urban Ecosystems, 2022, 25, 617-631.	1.1	11
2	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
3	Factors influencing the development and implementation of national greenhouse gas inventory methodologies. Policy Design and Practice, 2022, 5, 197-225.	1.0	0
4	Diverging conditions of current and potential future urban forest patches. Ecosphere, 2022, 13, .	1.0	6
5	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
6	Toward an improved understanding of causation in the ecological sciences. Frontiers in Ecology and the Environment, 2022, 20, 474-480.	1.9	17
7	Non-native Microstegium vimineum populations collapse with fungal leaf spot disease outbreak. Plant Ecology, 2021, 222, 107-117.	0.7	5
8	Soil organic matter protects US maize yields and lowers crop insurance payouts under drought. Environmental Research Letters, 2021, 16, 044018.	2.2	43
9	Signatures of an abiotic decomposition pathway in temperate forest leaf litter. Biogeochemistry, 2021, 153, 177-190.	1.7	11
10	Quantifying microbial control of soil organic matter dynamics at macrosystem scales. Biogeochemistry, 2021, 156, 19-40.	1.7	37
11	Positive longâ€term impacts of restoration on soils in an experimental urban forest. Ecological Applications, 2021, 31, e02336.	1.8	12
12	Evidence for large microbial-mediated losses of soil carbon under anthropogenic warming. Nature Reviews Earth & Environment, 2021, 2, 507-517.	12.2	85
13	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
14	Belowground community turnover accelerates the decomposition of standing dead wood. Ecology, 2021, 102, e03484.	1.5	13
15	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
16	Natural Area Forests in US Cities: Opportunities and Challenges. Journal of Forestry, 2021, 119, 141-151.	0.5	12
17	Scale dependence in functional equivalence and difference in the soil microbiome. Soil Biology and Biochemistry, 2021, 163, 108451.	4.2	3
18	Invasive lianas are drivers of and passengers to altered soil nutrient availability in urban forests. Biological Invasions, 2020, 22, 935-955.	1.2	15

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19	Improving scientific impact: How to practice science that influences environmental policy and management. Conservation Science and Practice, 2020, 2, e210.	0.9	19
20	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
21	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
22	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
23	Refining national greenhouse gas inventories. Ambio, 2020, 49, 1581-1586.	2.8	27
24	Compensatory Thermal Adaptation of Soil Microbial Respiration Rates in Global Croplands. Global Biogeochemical Cycles, 2020, 34, e2019GB006507.	1.9	13
25	Field experiments show contradictory shortâ€and longâ€term myrmecochorous plant impacts on seedâ€dispersing ants. Ecological Entomology, 2019, 44, 30-39.	1.1	18
26	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
27	Applying the Aboveground-Belowground Interaction Concept in Agriculture: Spatio-Temporal Scales Matter. Frontiers in Ecology and Evolution, 2019, 7, .	1.1	20
28	Increasing microbial carbon use efficiency with warming predicts soil heterotrophic respiration globally. Global Change Biology, 2019, 25, 3354-3364.	4.2	55
29	Defining and assessing urban forests to inform management and policy. Environmental Research Letters, 2019, 14, 085002.	2.2	28
30	Temperature sensitivity of soil carbon. , 2019, , 175-208.		7
31	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
32	Consistent trade-offs in fungal trait expression across broad spatial scales. Nature Microbiology, 2019, 4, 846-853.	5.9	94
33	Soil carbon science for policy and practice. Nature Sustainability, 2019, 2, 1070-1072.	11.5	80
34	Arctic Soil Governs Whether Climate Change Drives Global Losses or Gains in Soil Carbon. Geophysical Research Letters, 2019, 46, 14486-14495.	1.5	44
35	Methane emissions from tree stems: a new frontier in the global carbon cycle. New Phytologist, 2019, 222, 18-28.	3.5	104
36	Microbial formation of stable soil carbon is more efficient from belowground than aboveground input. Nature Geoscience, 2019, 12, 46-53.	5.4	385

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37	Global meta-analysis of the relationship between soil organic matter and crop yields. Soil, 2019, 5, 15-32.	2.2	344
38	Soil microbial respiration adapts to ambient temperature in global drylands. Nature Ecology and Evolution, 2019, 3, 232-238.	3.4	89
39	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
40	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
41	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
42	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
43	Crowther et al. reply. Nature, 2018, 554, E7-E8.	13.7	14
44	Species associations overwhelm abiotic conditions to dictate the structure and function of woodâ€decay fungal communities. Ecology, 2018, 99, 801-811.	1.5	42
45	Longâ€term research in ecology and evolution: a survey of challenges and opportunities. Ecological Monographs, 2018, 88, 245-258.	2.4	53
46	Factors driving natural regeneration beneath a planted urban forest. Urban Forestry and Urban Greening, 2018, 29, 238-247.	2.3	29
47	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
48	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
49	Multiple models and experiments underscore large uncertainty in soil carbon dynamics. Biogeochemistry, 2018, 141, 109-123.	1.7	169
50	Ants: Ecology and Impacts in Dead Wood. Zoological Monographs, 2018, , 237-262.	1.1	15
51	Substrate identity and amount overwhelm temperature effects on soil carbon formation. Soil Biology and Biochemistry, 2018, 124, 218-226.	4.2	26
52	Direct effects of soil organic matter on productivity mirror those observed with organic amendments. Plant and Soil, 2018, 423, 363-373.	1.8	77
53	Understanding how microbiomes influence the systems they inhabit. Nature Microbiology, 2018, 3, 977-982.	5.9	169
54	Leveraging a New Understanding of how Belowground Food Webs Stabilize Soil Organic Matter to Promote Ecological Intensification of Agriculture. , 2018, , 117-136.		9

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55	Climate masks decomposer influence in a cross-site litter decomposition study. Soil Biology and Biochemistry, 2017, 107, 180-187.	4.2	47
56	Applying population and community ecology theory to advance understanding of belowground biogeochemistry. Ecology Letters, 2017, 20, 231-245.	3.0	69
57	Diversity begets diversity in competition for space. Nature Ecology and Evolution, 2017, 1, 156.	3.4	79
58	Decoupling direct and indirect effects of temperature on decomposition. Soil Biology and Biochemistry, 2017, 112, 110-116.	4.2	25
59	Impacts of an invasive plant are fundamentally altered by a coâ€occurring forest disturbance. Ecology, 2017, 98, 2133-2144.	1.5	26
60	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
61	Long-Term Research in Ecology and Evolution (LTREE): 2015 survey data. Ecology, 2017, 98, 2980-2980.	1.5	1
62	Nest-mediated seed dispersal. Plant Ecology, 2017, 218, 1213-1220.	0.7	5
63	Fungal interactions reduce carbon use efficiency. Ecology Letters, 2017, 20, 1034-1042.	3.0	65
64	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
65	A test of the hierarchical model of litter decomposition. Nature Ecology and Evolution, 2017, 1, 1836-1845.	3.4	172
66	A leaky sink. Nature Climate Change, 2017, 7, 475-476.	8.1	9
67	Identifying the microbial taxa that consistently respond toÂsoil warming across time and space. Global Change Biology, 2017, 23, 2117-2129.	4.2	143
68	Quantifying global soil carbon losses in response to warming. Nature, 2016, 540, 104-108.	13.7	879
69	Understanding the dominant controls on litter decomposition. Journal of Ecology, 2016, 104, 229-238.	1.9	409
70	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
71	Greenhouse trace gases in deadwood. Biogeochemistry, 2016, 130, 215-226.	1.7	31
72	Re-visioning soil food webs. Soil Biology and Biochemistry, 2016, 102, 1-3.	4.2	43

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73	Managing uncertainty in soil carbon feedbacks to climate change. Nature Climate Change, 2016, 6, 751-758.	8.1	491
74	Opposing effects of different soil organic matter fractions on crop yields. Ecological Applications, 2016, 26, 2072-2085.	1.8	30
75	Where, when and how plantâ€"soil feedback matters in a changing world. Functional Ecology, 2016, 30, 1109-1121.	1.7	378
76	Disturbance Decouples Biogeochemical Cycles Across Forests of the Southeastern US. Ecosystems, 2016, 19, 50-61.	1.6	31
77	How much SOM is needed for sustainable agriculture?. Frontiers in Ecology and the Environment, 2015, 13, 527-527.	1.9	25
78	Cryptic indirect effects of exurban edges on a woodland community. Ecosphere, 2015, 6, 1-13.	1.0	20
79	Growing the urban forest: tree performance in response to biotic and abiotic land management. Restoration Ecology, 2015, 23, 707-718.	1.4	51
80	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
81	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
82	Biofuel intercropping effects on soil carbon and microbial activity. Ecological Applications, 2015, 25, 140-150.	1.8	21
83	Farm management, not soil microbial diversity, controls nutrient loss from smallholder tropical agriculture. Frontiers in Microbiology, 2015, 6, 90.	1.5	26
84	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
85	Environmental stress response limits microbial necromass contributions to soil organic carbon. Soil Biology and Biochemistry, 2015, 85, 153-161.	4.2	50
86	Climate history shapes contemporary leaf litter decomposition. Biogeochemistry, 2015, 122, 165-174.	1.7	60
87	Agricultural intensification and the functional capacity of soil microbes on smallholder African farms. Journal of Applied Ecology, 2015, 52, 744-752.	1.9	42
88	Temperate forest termites: ecology, biogeography, and ecosystem impacts. Ecological Entomology, 2015, 40, 199-210.	1.1	36
89	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
90	Forest invader replaces predation but not dispersal services by a keystone species. Biological Invasions, 2015, 17, 3153-3162.	1.2	27

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91	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
92	Mapping tree density at a global scale. Nature, 2015, 525, 201-205.	13.7	642
93	Microbial stoichiometry overrides biomass as a regulator of soil carbon and nitrogen cycling. Ecology, 2015, 96, 1139-1149.	1.5	93
94	Untangling the fungal niche: the trait-based approach. Frontiers in Microbiology, 2014, 5, 579.	1.5	211
95	Disentangling the mechanisms underlying functional differences among decomposer communities. Journal of Ecology, 2014, 102, 603-609.	1.9	78
96	Climate fails to predict wood decomposition at regional scales. Nature Climate Change, 2014, 4, 625-630.	8.1	281
97	Competition as a mechanism structuring mutualisms. Journal of Ecology, 2014, 102, 486-495.	1.9	27
98	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
99	Positive effects of afforestation efforts on the health of urban soils. Forest Ecology and Management, 2014, 313, 266-273.	1.4	51
100	Animating the Carbon Cycle. Ecosystems, 2014, 17, 344-359.	1.6	168
101	Predicting the responsiveness of soil biodiversity to deforestation: a crossâ€biome study. Global Change Biology, 2014, 20, 2983-2994.	4.2	101
102	Why are some microbes more ubiquitous than others? Predicting the habitat breadth of soil bacteria. Ecology Letters, 2014, 17, 794-802.	3.0	243
103	Good dirt with good friends. Nature, 2014, 505, 486-487.	13.7	19
104	Mutualism fails when climate response differs between interacting species. Global Change Biology, 2014, 20, 466-474.	4.2	53
105	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
106	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
107	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
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	Decoupling litter barrier and soil moisture influences on the establishment of an invasive grass. Plant and Soil, 2013, 367, 339-346.	1.8	13
110	FORUM: Challenges and future directions in urban afforestation. Journal of Applied Ecology, 2013, 50, 1169-1177.	1.9	94
111	Carbon use efficiency and storage in terrestrial ecosystems. New Phytologist, 2013, 199, 7-9.	3.5	79
112	The effect of a quorum-quenching enzyme on leaf litter decomposition. Soil Biology and Biochemistry, 2013, 64, 65-67.	4.2	15
113	Empirical evidence that soil carbon formation from plant inputs is positively related to microbial growth. Biogeochemistry, 2013, 113, 271-281.	1.7	211
114	Promoting Earth Stewardship through urban design experiments. Frontiers in Ecology and the Environment, 2013, 11, 362-367.	1.9	71
115	Science petitions are a facade of numbers. Nature, 2013, 493, 480-480.	13.7	3
116	Habitat, dispersal and propagule pressure control exotic plant infilling within an invaded range. Ecosphere, 2013, 4, 1-12.	1.0	34
117	Thermal adaptation of decomposer communities in warming soils. Frontiers in Microbiology, 2013, 4, 333.	1.5	270
118	Involving Ecologists in Shaping Large-Scale Green Infrastructure Projects. BioScience, 2013, 63, 882-890.	2.2	39
119	Thermal acclimation in widespread heterotrophic soil microbes. Ecology Letters, 2013, 16, 469-477.	3.0	164
120	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
121	Linking Predation Risk, Herbivore Physiological Stress and Microbial Decomposition of Plant Litter. Journal of Visualized Experiments, 2013, , e50061.	0.2	3
122	Social Insects Dominate Eastern US Temperate Hardwood Forest Macroinvertebrate Communities in Warmer Regions. PLoS ONE, 2013, 8, e75843.	1.1	72
123	Contingency in ecosystem but not plant community response to multiple global change factors. New Phytologist, 2012, 196, 462-471.	3.5	18
124	Plant invasion impacts on arthropod abundance, diversity and feeding consistent across environmental and geographic gradients. Biological Invasions, 2012, 14, 2625-2637.	1.2	14
125	Grass Invasions Across a Regional Gradient are Associated with Declines in Belowground Carbon Pools. Ecosystems, 2012, 15, 1271-1282.	1.6	30
126	Legacies of plant litter on carbon and nitrogen dynamics and the role of the soil community. Pedobiologia, 2012, 55, 185-192.	0.5	26

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127	Elevated methane concentrations in trees of an upland forest. Geophysical Research Letters, 2012, 39, .	1.5	99
128	Environmental Heterogeneity and Interspecific Interactions Influence Nest Occupancy By Key Seed-Dispersing Ants. Environmental Entomology, 2012, 41, 463-468.	0.7	18
129	Comparative metagenomic, phylogenetic and physiological analyses of soil microbial communities across nitrogen gradients. ISME Journal, 2012, 6, 1007-1017.	4.4	1,405
130	Root carbon flow from an invasive plant to belowground foodwebs. Plant and Soil, 2012, 359, 233-244.	1.8	34
131	Ant colonization and coarse woody debris decomposition in temperate forests. Insectes Sociaux, 2012, 59, 215-221.	0.7	43
132	Characterizing Organic Carbon Stocks and Flows in Forest Soils. , 2012, , 7-30.		10
133	Fear of Predation Slows Plant-Litter Decomposition. Science, 2012, 336, 1434-1438.	6.0	197
134	Integrating microbial ecology into ecosystem models: challenges and priorities. Biogeochemistry, 2012, 109, 7-18.	1.7	206
135	The interaction between propagule pressure, habitat suitability and densityâ€dependent reproduction in species invasion. Oikos, 2012, 121, 874-881.	1.2	69
136	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
137	The Biogeography of Microbial Communities and Ecosystem Processes: Implications for Soil and Ecosystem Models. , 2012, , 189-200.		35
138	Performance and reproduction of an exotic invader across temperate forest gradients. Ecosphere, 2011, 2, art14.	1.0	23
139	The effect of resource history on the functioning of soil microbial communities is maintained across time. Biogeosciences, 2011, 8, 1477-1486.	1.3	105
140	Universal Ecological Patterns in College Basketball Communities. PLoS ONE, 2011, 6, e17342.	1.1	14
141	Differential Growth Responses of Soil Bacterial Taxa to Carbon Substrates of Varying Chemical Recalcitrance. Frontiers in Microbiology, 2011, 2, 94.	1.5	504
142	Temperature cues phenological synchrony in ant-mediated seed dispersal. Global Change Biology, 2011, 17, 2444-2454.	4.2	49
143	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
144	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

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145	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
146	The putative niche requirements and landscape dynamics of Microstegium vimineum: an invasive Asian grass. Biological Invasions, 2011, 13, 471-483.	1.2	59
147	Nitrogen uptake and preference in a forest understory following invasion by an exotic grass. Oecologia, 2011, 167, 781-791.	0.9	48
148	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
149	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
150	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
151	Thermal adaptation of heterotrophic soil respiration in laboratory microcosms. Global Change Biology, 2010, 16, 1576-1588.	4.2	154
152	Grass invasion of a hardwood forest is associated with declines in belowground carbon pools. Global Change Biology, 2010, 16, 1338-1350.	4.2	81
153	Antâ€mediated seed dispersal does not facilitate niche expansion. Journal of Ecology, 2010, 98, 1178-1185.	1.9	40
154	Soil-carbon response to warming dependent on microbial physiology. Nature Geoscience, 2010, 3, 336-340.	5.4	1,192
155	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
156	Consistent effects of nitrogen fertilization on soil bacterial communities in contrasting systems. Ecology, 2010, 91, 3463-3470.	1.5	475
157	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
158	Surveying soil faunal communities using a direct molecular approach. Soil Biology and Biochemistry, 2009, 41, 1311-1314.	4.2	27
159	Nitrogen and Phosphorus Release from Mixed Litter Layers is Lower than Predicted from Single Species Decay. Ecosystems, 2009, 12, 87-100.	1.6	42
160	Empirical and theoretical challenges in abovegroundâ€"belowground ecology. Oecologia, 2009, 161, 1-14.	0.9	223
161	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
162	Decreased mass specific respiration under experimental warming is robust to the microbial biomass method employed. Ecology Letters, 2009, 12, E15.	3.0	19

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163	Global patterns in belowground communities. Ecology Letters, 2009, 12, 1238-1249.	3.0	957
164	The influence of microbial communities, management, and soil texture on soil organic matter chemistry. Geoderma, 2009, 150, 278-286.	2.3	163
165	Testing the functional significance of microbial community composition. Ecology, 2009, 90, 441-451.	1.5	635
166	Fungal Taxa Target Different Carbon Sources in Forest Soil. Ecosystems, 2008, 11, 1157-1167.	1.6	174
167	Thermal adaptation of soil microbial respiration to elevated temperature. Ecology Letters, 2008, 11, 1316-1327.	3.0	690
168	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
169	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
170	Global decomposition experiment shows soil animal impacts on decomposition are climateâ€dependent. Global Change Biology, 2008, 14, 2661-2677.	4.2	385
171	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
172	Direct and indirect effects of nitrogen deposition on litter decomposition. Soil Biology and Biochemistry, 2008, 40, 688-698.	4.2	106
173	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
174	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
175	Soil faunal assemblage composition modifies root in-growth to plant litter patches. Pedobiologia, 2007, 50, 505-513.	0.5	8
176	NONADDITIVE EFFECTS OF LEAF LITTER SPECIES DIVERSITY ON BREAKDOWN DYNAMICS IN A DETRITUS-BASED STREAM. Ecology, 2007, 88, 1167-1176.	1.5	124
177	Carbon dynamics in a model grassland with functionally different soil communities. Functional Ecology, 2007, 21, 690-697.	1.7	32
178	TOWARD AN ECOLOGICAL CLASSIFICATION OF SOIL BACTERIA. Ecology, 2007, 88, 1354-1364.	1.5	3,728
179	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
180	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

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181	Decoupling the direct and indirect effects of nitrogen deposition on ecosystem function. Ecology Letters, 2006, 9, 1015-1024.	3.0	101
182	Soil heterogeneity and community composition jointly influence grassland biomass. Journal of Vegetation Science, 2006, 17, 261-270.	1.1	39
183	SCALING TERRESTRIAL BIOGEOCHEMICAL PROCESSES CONTRASTING INTACT AND MODEL EXPERIMENTAL SYSTEMS. , 2006, , 109-130.		3
184	Soil heterogeneity and community composition jointly influence grassland biomass. , 2006, 17, 261.		10
185	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
186	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
187	The adaptive response of a natural microbial population to carbon- and nitrogen-limitation. Ecology Letters, 2003, 6, 594-598.	3.0	40
188	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
189	Impacts of Soil Faunal Community Composition on Model Grassland Ecosystems. Science, 2002, 298, 615-618.	6.0	260
190	Biodiversity and ecosystem productivity: implications for carbon storage. Oikos, 2002, 97, 443-448.	1.2	111
191	Microbiota, fauna, and mesh size interactions in litter decomposition. Oikos, 2002, 99, 317-323.	1.2	336
192	With the worms: Soil biodiversity and ecosystem functioning. Biologist, 2002, 49, 127-30.	2.0	2
193	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
194	Role of CH4 oxidation, production and transport in forest soil CH4 flux. Soil Biology and Biochemistry, 2001, 33, 1625-1631.	4.2	34
195	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
196	Assessing the functional implications of soil biodiversity in ecosystems. Ecological Research, 2001, 16, 845-858.	0.7	23
197	The role of Eriophorum vaginatum in CH4 flux from an ombrotrophic peatland. Plant and Soil, 2000, 227, 265-272.	1.8	134
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