

Environmental and stoichiometric controls on microbial

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Citation Report

#	ARTICLE	IF	CITATIONS
1	The Role of Plants in the Effects of Global Change on Nutrient Availability and Stoichiometry in the Plant-Soil System. <i>Plant Physiology</i> , 2012, 160, 1741-1761.	2.3	279
2	Introduction to a <i>Virtual Special Issue</i> on ecological stoichiometry and global change. <i>New Phytologist</i> , 2012, 196, 649-651.	3.5	23
3	Ecoenzymatic Stoichiometry and Ecological Theory. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2012, 43, 313-343.	3.8	582
4	Causes of variation in mineral soil C content and turnover in differently managed beech dominated forests. <i>Plant and Soil</i> , 2013, 370, 625-639.	1.8	21
5	Global soil carbon projections are improved by modelling microbial processes. <i>Nature Climate Change</i> , 2013, 3, 909-912.	8.1	772
6	Soil carbon dynamics: The effects of nitrogen input, intake demand and off-take by animals. <i>Science of the Total Environment</i> , 2013, 465, 205-215.	3.9	22
7	Soil organic carbon stock changes in Swedish forest soils – A comparison of uncertainties and their sources through a national inventory and two simulation models. <i>Ecological Modelling</i> , 2013, 251, 221-231.	1.2	46
8	Soil microbial responses to warming and increased precipitation and their implications for ecosystem C cycling. <i>Oecologia</i> , 2013, 173, 1125-1142.	0.9	89
9	Carbon use efficiency of microbial communities: stoichiometry, methodology and modelling. <i>Ecology Letters</i> , 2013, 16, 930-939.	3.0	627
10	Using metabolic tracer techniques to assess the impact of tillage and straw management on microbial carbon use efficiency in soil. <i>Soil Biology and Biochemistry</i> , 2013, 66, 139-145.	4.2	37
11	The <i>Microbial Efficiency-Matrix Stabilization (MEMS)</i> framework integrates plant litter decomposition with soil organic matter stabilization: do labile plant inputs form stable soil organic matter?. <i>Global Change Biology</i> , 2013, 19, 988-995.	4.2	1,962
12	Altered precipitation regime affects the function and composition of soil microbial communities on multiple time scales. <i>Ecology</i> , 2013, 94, 2334-2345.	1.5	134
13	Soil Respiration and Soil Organic Matter Decomposition in Response to Climate Change. <i>Developments in Environmental Science</i> , 2013, 13, 131-149.	0.5	11
14	Legacies of native climate regime govern responses of boreal soil microbes to litter stoichiometry and temperature. <i>Soil Biology and Biochemistry</i> , 2013, 66, 204-213.	4.2	34
15	Microbial growth responses upon rewetting soil dried for four days or one year. <i>Soil Biology and Biochemistry</i> , 2013, 66, 188-192.	4.2	141
16	Estimating the critical N:C from litter decomposition data and its relation to soil organic matter stoichiometry. <i>Soil Biology and Biochemistry</i> , 2013, 67, 312-318.	4.2	57
17	Carbon use efficiency and storage in terrestrial ecosystems. <i>New Phytologist</i> , 2013, 199, 7-9.	3.5	79
18	The temperature response of soil microbial efficiency and its feedback to climate. <i>Nature Climate Change</i> , 2013, 3, 395-398.	8.1	604

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19	Competition between roots and microorganisms for nitrogen: mechanisms and ecological relevance. <i>New Phytologist</i> , 2013, 198, 656-669.	3.5	976
20	Exploring relationships between enzyme activities and leaf litter decomposition in a wet tropical forest. <i>Soil Biology and Biochemistry</i> , 2013, 64, 89-95.	4.2	75
21	Thermal adaptation of decomposer communities in warming soils. <i>Frontiers in Microbiology</i> , 2013, 4, 333.	1.5	270
22	Up Against The Wall: The Effects of Climate Warming on Soil Microbial Diversity and The Potential for Feedbacks to The Carbon Cycle. <i>Diversity</i> , 2013, 5, 409-425.	0.7	31
23	Thermal acclimation in widespread heterotrophic soil microbes. <i>Ecology Letters</i> , 2013, 16, 469-477.	3.0	164
24	Responses of belowground carbon allocation dynamics to extended shading in mountain grassland. <i>New Phytologist</i> , 2013, 198, 116-126.	3.5	84
25	An experimental test of the hypothesis of non-homeostatic consumer stoichiometry in a plant litter-microbe system. <i>Ecology Letters</i> , 2013, 16, 764-772.	3.0	219
26	Labile compounds in plant litter reduce the sensitivity of decomposition to warming and altered precipitation. <i>New Phytologist</i> , 2013, 200, 122-133.	3.5	68
27	Plant soil interactions alter carbon cycling in an upland grassland soil. <i>Frontiers in Microbiology</i> , 2013, 4, 253.	1.5	39
28	Tradeoffs in microbial carbon allocation may mediate soil carbon storage in future climates. <i>Frontiers in Microbiology</i> , 2013, 4, 261.	1.5	12
29	The implications of microbial and substrate limitation for the fates of carbon in different organic soil horizon types of boreal forest ecosystems: a mechanistically based model analysis. <i>Biogeosciences</i> , 2014, 11, 4477-4491.	1.3	20
30	Nitrogen Deposition Enhances Carbon Sequestration by Plantations in Northern China. <i>PLoS ONE</i> , 2014, 9, e87975.	1.1	24
31	Linking Annual N ₂ O Emission in Organic Soils to Mineral Nitrogen Input as Estimated by Heterotrophic Respiration and Soil C/N Ratio. <i>PLoS ONE</i> , 2014, 9, e96572.	1.1	10
32	Integrating microbial physiology and physio-chemical principles in soils with the Microbial-Mineral Carbon Stabilization (MIMICS) model. <i>Biogeosciences</i> , 2014, 11, 3899-3917.	1.3	243
33	Implications of carbon saturation model structures for simulated nitrogen mineralization dynamics. <i>Biogeosciences</i> , 2014, 11, 6725-6738.	1.3	25
34	Decomposition trajectories of diverse litter types: a model selection analysis. <i>Methods in Ecology and Evolution</i> , 2014, 5, 173-182.	2.2	51
35	Modeling adaptation of carbon use efficiency in microbial communities. <i>Frontiers in Microbiology</i> , 2014, 5, 571.	1.5	106
36	Microbial carbon mineralization in tropical lowland and montane forest soils of Peru. <i>Frontiers in Microbiology</i> , 2014, 5, 720.	1.5	31

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37	Nutrient availability as the key regulator of global forest carbon balance. <i>Nature Climate Change</i> , 2014, 4, 471-476.	8.1	383
38	Substrate and environmental controls on microbial assimilation of soil organic carbon: a framework for Earth system models. <i>Ecology Letters</i> , 2014, 17, 547-555.	3.0	148
39	Microbial community dynamics alleviate stoichiometric constraints during litter decay. <i>Ecology Letters</i> , 2014, 17, 680-690.	3.0	302
40	Microbial respiration and coenzyme activity in sediments from the Gulf of Mexico hypoxic zone. <i>Aquatic Microbial Ecology</i> , 2014, 72, 105-116.	0.9	6
41	Stoichiometric imbalances between terrestrial decomposer communities and their resources: mechanisms and implications of microbial adaptations to their resources. <i>Frontiers in Microbiology</i> , 2014, 5, 22.	1.5	501
42	Microbial Community Stratification Linked to Utilization of Carbohydrates and Phosphorus Limitation in a Boreal Peatland at Marcell Experimental Forest, Minnesota, USA. <i>Applied and Environmental Microbiology</i> , 2014, 80, 3518-3530.	1.4	114
43	Microbial Growth and Carbon Use Efficiency in the Rhizosphere and Root-Free Soil. <i>PLoS ONE</i> , 2014, 9, e93282.	1.1	169
44	Physiological shifts in the microbial community drive changes in enzyme activity in a perennial agroecosystem. <i>Biogeochemistry</i> , 2014, 117, 67-79.	1.7	52
45	Soil carbon sensitivity to temperature and carbon use efficiency compared across microbial-ecosystem models of varying complexity. <i>Biogeochemistry</i> , 2014, 119, 67-84.	1.7	89
46	Bacterial growth efficiency varies in soils under different land management practices. <i>Soil Biology and Biochemistry</i> , 2014, 69, 282-290.	4.2	60
47	Soil nitrogen dynamics and crop residues. A review. <i>Agronomy for Sustainable Development</i> , 2014, 34, 429-442.	2.2	256
48	Plant rhizosphere influence on microbial C metabolism: the role of elevated CO ₂ , N availability and root stoichiometry. <i>Biogeochemistry</i> , 2014, 117, 229-240.	1.7	52
49	Adjustment of microbial nitrogen use efficiency to carbon:nitrogen imbalances regulates soil nitrogen cycling. <i>Nature Communications</i> , 2014, 5, 3694.	5.8	594
50	Thermal acclimation of organic matter decomposition in an artificial forest soil is related to shifts in microbial community structure. <i>Soil Biology and Biochemistry</i> , 2014, 71, 1-12.	4.2	77
51	Soil warming alters microbial substrate use in alpine soils. <i>Global Change Biology</i> , 2014, 20, 1327-1338.	4.2	97
52	Stoichiometric controls upon low molecular weight carbon decomposition. <i>Soil Biology and Biochemistry</i> , 2014, 79, 50-56.	4.2	62
53	Priming of soil organic carbon by malic acid addition is differentially affected by nutrient availability. <i>Soil Biology and Biochemistry</i> , 2014, 77, 158-169.	4.2	72
54	High clay content accelerates the decomposition of fresh organic matter in artificial soils. <i>Soil Biology and Biochemistry</i> , 2014, 77, 100-108.	4.2	89

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56	Ecoenzymatic stoichiometry and microbial processing of organic matter in northern bogs and fens reveals a common P-limitation between peatland types. <i>Biogeochemistry</i> , 2014, 120, 203-224.	1.7	129
57	Growth and death of bacteria and fungi underlie rainfall-induced carbon dioxide pulses from seasonally dried soil. <i>Ecology</i> , 2014, 95, 1162-1172.	1.5	161
58	Microbial community composition explains soil respiration responses to changing carbon inputs along an Amazon elevation gradient. <i>Journal of Ecology</i> , 2014, 102, 1058-1071.	1.9	181
59	Functional stoichiometry of soil microbial communities after amendment with stabilised organic matter. <i>Soil Biology and Biochemistry</i> , 2014, 76, 170-178.	4.2	42
60	Differential effects of pH on temperature sensitivity of organic carbon and nitrogen decay. <i>Soil Biology and Biochemistry</i> , 2014, 76, 193-200.	4.2	57
61	Ecoenzymatic stoichiometry of microbial nutrient acquisition in tropical soils. <i>Biogeochemistry</i> , 2014, 117, 101-113.	1.7	340
62	Assessing five evolving microbial enzyme models against field measurements from a semiarid savannah-What are the mechanisms of soil respiration pulses?. <i>Geophysical Research Letters</i> , 2014, 41, 6428-6434.	1.5	42
63	Uncertainty in the fate of soil organic carbon: A comparison of three conceptually different decomposition models at a larch plantation. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 1892-1905.	1.3	11
64	Incorporating microbial ecology concepts into global soil mineralization models to improve predictions of carbon and nitrogen fluxes. <i>Global Biogeochemical Cycles</i> , 2014, 28, 223-238.	1.9	28
65	Microbial physiology and soil CO ₂ efflux after 9 years of soil warming in a temperate forest – no indications for thermal adaptations. <i>Global Change Biology</i> , 2015, 21, 4265-4277.	4.2	104
66	Short-term parasite-infection alters already the biomass, activity and functional diversity of soil microbial communities. <i>Scientific Reports</i> , 2014, 4, 6895.	1.6	17
67	Interactive effects of plants, decomposers, herbivores, and predators on nutrient cycling. , 2015, , 233-259.		8
68	Plant diversity drives soil microbial biomass carbon in grasslands irrespective of global environmental change factors. <i>Global Change Biology</i> , 2015, 21, 4076-4085.	4.2	134
69	Integrating plant litter quality, soil organic matter stabilization, and the carbon saturation concept. <i>Global Change Biology</i> , 2015, 21, 3200-3209.	4.2	456
70	Application of a two-pool model to soil carbon dynamics under elevated CO ₂ . <i>Global Change Biology</i> , 2015, 21, 4293-4297.	4.2	18
71	Exotic grasses and nitrate enrichment alter soil carbon cycling along an urban-rural tropical forest gradient. <i>Global Change Biology</i> , 2015, 21, 4481-4496.	4.2	14
72	Representing life in the Earth system with soil microbial functional traits in the MIMICS model. <i>Geoscientific Model Development</i> , 2015, 8, 1789-1808.	1.3	154

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73	Convergent modelling of past soil organic carbon stocks but divergent projections. <i>Biogeosciences</i> , 2015, 12, 4373-4383.	1.3	41
74	Reviews and syntheses: Soil resources and climate jointly drive variations in microbial biomass carbon and nitrogen in China's forest ecosystems. <i>Biogeosciences</i> , 2015, 12, 6751-6760.	1.3	32
75	The complex relationship between microbial growth rate and yield and its implications for ecosystem processes. <i>Frontiers in Microbiology</i> , 2015, 6, 615.	1.5	170
76	SHIMMER (1.0): a novel mathematical model for microbial and biogeochemical dynamics in glacier forefield ecosystems. <i>Geoscientific Model Development</i> , 2015, 8, 3441-3470.	1.3	9
77	Carbon availability regulates soil respiration response to nitrogen and temperature. <i>Soil Biology and Biochemistry</i> , 2015, 88, 158-164.	4.2	69
78	Grass invasion effects on forest soil carbon depend on landscape-level land use patterns. <i>Ecology</i> , 2015, 96, 2265-2279.	1.5	32
79	Soil C:N stoichiometry controls carbon sink partitioning between above-ground tree biomass and soil organic matter in high fertility forests. <i>IForest</i> , 2015, 8, 195-206.	0.5	40
80	Investigating microbial transformations of soil organic matter: synthesizing knowledge from disparate fields to guide new experimentation. <i>Soil</i> , 2015, 1, 313-330.	2.2	21
82	Decay rates of leaf litters from arbuscular mycorrhizal trees are more sensitive to soil effects than litters from ectomycorrhizal trees. <i>Journal of Ecology</i> , 2015, 103, 1454-1463.	1.9	85
83	Social dynamics within decomposer communities lead to nitrogen retention and organic matter build-up in soils. <i>Nature Communications</i> , 2015, 6, 8960.	5.8	80
84	Modelling in situ activities of enzymes as a tool to explain seasonal variation of soil respiration from agro-ecosystems. <i>Soil Biology and Biochemistry</i> , 2015, 81, 291-303.	4.2	48
85	Annual burning of a tallgrass prairie inhibits C and N cycling in soil, increasing recalcitrant pyrogenic organic matter storage while reducing N availability. <i>Global Change Biology</i> , 2015, 21, 2321-2333.	4.2	66
86	Combination of nitrogen and phosphorus fertilization enhance ecosystem carbon sequestration in a nitrogen-limited temperate plantation of Northern China. <i>Forest Ecology and Management</i> , 2015, 341, 59-66.	1.4	35
87	The physiology and ecological implications of efficient growth. <i>ISME Journal</i> , 2015, 9, 1481-1487.	4.4	155
88	Soil microbial community composition does not predominantly determine the variance of heterotrophic soil respiration across four subtropical forests. <i>Scientific Reports</i> , 2015, 5, 7854.	1.6	28
89	Effects of soil water content, temperature and experimental nitrogen deposition on nitric oxide (NO) efflux from semiarid shrubland soil. <i>Journal of Arid Environments</i> , 2015, 117, 67-74.	1.2	21
90	Root exudate carbon mitigates nitrogen loss in a semi-arid soil. <i>Soil Biology and Biochemistry</i> , 2015, 88, 380-389.	4.2	63
91	Contribution of sorption, DOC transport and microbial interactions to the ¹⁴ C age of a soil organic carbon profile: Insights from a calibrated process model. <i>Soil Biology and Biochemistry</i> , 2015, 88, 390-402.	4.2	122

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93	Regulation of CO ₂ and N ₂ O fluxes by coupled carbon and nitrogen availability. <i>Environmental Research Letters</i> , 2015, 10, 034008.	2.2	54
94	The application of ecological stoichiometry to plant-microbial-soil organic matter transformations. <i>Ecological Monographs</i> , 2015, 85, 133-155.	2.4	735
95	A new conceptual model on the fate and controls of fresh and pyrolyzed plant litter decomposition. <i>Biogeochemistry</i> , 2015, 124, 27-44.	1.7	78
96	Two decades of warming increases diversity of a potentially lignolytic bacterial community. <i>Frontiers in Microbiology</i> , 2015, 6, 480.	1.5	73
97	Effects of litter traits, soil biota, and soil chemistry on soil carbon stocks at a common garden with 14 tree species. <i>Biogeochemistry</i> , 2015, 123, 313-327.	1.7	77
98	Plant diversity increases soil microbial activity and soil carbon storage. <i>Nature Communications</i> , 2015, 6, 6707.	5.8	949
99	Microbial physiology and necromass regulate agricultural soil carbon accumulation. <i>Soil Biology and Biochemistry</i> , 2015, 91, 279-290.	4.2	235
100	Crop yield and soil organic matter after long-term straw return to soil in China. <i>Nutrient Cycling in Agroecosystems</i> , 2015, 102, 371-381.	1.1	140
101	Living roots magnify the response of soil organic carbon decomposition to temperature in temperate grassland. <i>Global Change Biology</i> , 2015, 21, 1368-1375.	4.2	26
102	Short-term nitrogen mineralization from warm-season cover crops in organic farming systems. <i>Plant and Soil</i> , 2015, 396, 353-367.	1.8	22
103	Impact of long-term N additions upon coupling between soil microbial community structure and activity, and nutrient-use efficiencies. <i>Soil Biology and Biochemistry</i> , 2015, 91, 151-159.	4.2	151
104	Effect of added nitrogen on plant litter decomposition depends on initial soil carbon and nitrogen stoichiometry. <i>Soil Biology and Biochemistry</i> , 2015, 91, 160-168.	4.2	77
105	Scaling microbial biomass, metabolism and resource supply. <i>Biogeochemistry</i> , 2015, 122, 175-190.	1.7	65
106	Physiological and Biochemical Methods for Studying Soil Biota and Their Functions. , 2015, , 187-222.		17
107	Do microorganism stoichiometric alterations affect carbon sequestration in paddy soil subjected to phosphorus input?. <i>Ecological Applications</i> , 2015, 25, 866-879.	1.8	18
108	Microbial respiration per unit biomass increases with carbon-to-nutrient ratios in forest soils. <i>Soil Biology and Biochemistry</i> , 2015, 81, 128-133.	4.2	147
109	Interactions between temperature and nutrients across levels of ecological organization. <i>Global Change Biology</i> , 2015, 21, 1025-1040.	4.2	210

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110	Microbial community structure mediates response of soil C decomposition to litter addition and warming. <i>Soil Biology and Biochemistry</i> , 2015, 80, 175-188.	4.2	180
111	Temperature sensitivity of heterotrophic soil CO ₂ production increases with increasing carbon substrate uptake rate. <i>Soil Biology and Biochemistry</i> , 2015, 80, 45-52.	4.2	36
112	Microbial dormancy improves development and experimental validation of ecosystem model. <i>ISME Journal</i> , 2015, 9, 226-237.	4.4	113
113	Comparing models of microbial–substrate interactions and their response to warming. <i>Biogeosciences</i> , 2016, 13, 1733-1752.	1.3	34
114	Temperature-mediated changes in microbial carbon use efficiency and $\delta^{13}\text{C}$ discrimination. <i>Biogeosciences</i> , 2016, 13, 3319-3329.	1.3	15
115	(A)synchronous Availabilities of N and P Regulate the Activity and Structure of the Microbial Decomposer Community. <i>Frontiers in Microbiology</i> , 2015, 6, 1507.	1.5	19
116	Enzymatic Strategies and Carbon Use Efficiency of a Litter-Decomposing Fungus Grown on Maize Leaves, Stems, and Roots. <i>Frontiers in Microbiology</i> , 2016, 7, 1315.	1.5	52
117	Carbon Availability Modifies Temperature Responses of Heterotrophic Microbial Respiration, Carbon Uptake Affinity, and Stable Carbon Isotope Discrimination. <i>Frontiers in Microbiology</i> , 2016, 7, 2083.	1.5	20
118	Soil Functional Zone Management: A Vehicle for Enhancing Production and Soil Ecosystem Services in Row-Crop Agroecosystems. <i>Frontiers in Plant Science</i> , 2016, 7, 65.	1.7	30
119	Fire affects root decomposition, soil food web structure, and carbon flow in tallgrass prairie. <i>Soil</i> , 2016, 2, 199-210.	2.2	21
120	Biomass or growth? How to measure soil food webs to understand structure and function. <i>Soil Biology and Biochemistry</i> , 2016, 102, 45-47.	4.2	32
121	Historical precipitation predictably alters the shape and magnitude of microbial functional response to soil moisture. <i>Global Change Biology</i> , 2016, 22, 1957-1964.	4.2	79
122	Terrestrial nitrogen cycling in Earth system models revisited. <i>New Phytologist</i> , 2016, 210, 1165-1168.	3.5	35
123	Distinct respiratory responses of soils to complex organic substrate are governed predominantly by soil architecture and its microbial community. <i>Soil Biology and Biochemistry</i> , 2016, 103, 493-501.	4.2	17
124	Landscape position influences soil respiration variability and sensitivity to physiological drivers in mixed-use lands of Southern California, USA. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 2530-2543.	1.3	11
125	Are variations in heterotrophic soil respiration related to changes in substrate availability and microbial biomass carbon in the subtropical forests?. <i>Scientific Reports</i> , 2016, 5, 18370.	1.6	38
126	Synergistic Processing of Biphenyl and Benzoate: Carbon Flow Through the Bacterial Community in Polychlorinated-Biphenyl-Contaminated Soil. <i>Scientific Reports</i> , 2016, 6, 22145.	1.6	55
127	Disentangling the influence of earthworms in sugarcane rhizosphere. <i>Scientific Reports</i> , 2016, 6, 38923.	1.6	38

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128	Experimental warming of a mountain tundra increases soil CO ₂ effluxes and enhances CH ₄ and N ₂ O uptake at Changbai Mountain, China. <i>Scientific Reports</i> , 2016, 6, 21108.	1.6	32
129	Microbial respiration, but not biomass, responded linearly to increasing light fraction organic matter input: Consequences for carbon sequestration. <i>Scientific Reports</i> , 2016, 6, 35496.	1.6	40
130	Carbon and nitrogen additions induce distinct priming effects along an organic-matter decay continuum. <i>Scientific Reports</i> , 2016, 6, 19865.	1.6	81
131	No synergistic effects of water and nitrogen addition on soil microbial communities and soil respiration in a temperate desert. <i>Catena</i> , 2016, 142, 126-133.	2.2	33
132	Soil microbial carbon use efficiency and biomass turnover in a long-term fertilization experiment in a temperate grassland. <i>Soil Biology and Biochemistry</i> , 2016, 97, 168-175.	4.2	205
133	Role of Microbial Inoculants in Nutrient Use Efficiency. , 2016, , 133-142.		6
134	Investigating the controls on soil organic matter decomposition in tussock tundra soil and permafrost after fire. <i>Soil Biology and Biochemistry</i> , 2016, 99, 108-116.	4.2	23
135	Toward a Predictive Understanding of Earth's Microbiomes to Address 21st Century Challenges. <i>MBio</i> , 2016, 7, .	1.8	124
136	Ecological stoichiometry controls the transformation and retention of plant-derived organic matter to humus in response to nitrogen fertilisation. <i>Soil Biology and Biochemistry</i> , 2016, 99, 117-127.	4.2	35
137	Differences in substrate use efficiency: impacts of microbial community composition, land use management, and substrate complexity. <i>Biology and Fertility of Soils</i> , 2016, 52, 547-559.	2.3	62
138	Microbial community structures and metabolic profiles response differently to physiochemical properties between three landfill cover soils. <i>Environmental Science and Pollution Research</i> , 2016, 23, 15483-15494.	2.7	15
139	Mechanisms driving the soil organic matter decomposition response to nitrogen enrichment in grassland soils. <i>Soil Biology and Biochemistry</i> , 2016, 99, 54-65.	4.2	205
140	Is the fate of glucose-derived carbon more strongly driven by nutrient availability, soil texture, or microbial biomass size?. <i>Soil Biology and Biochemistry</i> , 2016, 103, 201-212.	4.2	51
141	Modeling coupled pesticide degradation and organic matter turnover: From gene abundance to process rates. <i>Soil Biology and Biochemistry</i> , 2016, 103, 349-364.	4.2	22
142	Can highly weathered soils under conservation agriculture be C saturated?. <i>Catena</i> , 2016, 147, 638-649.	2.2	26
143	Substrate quality influences organic matter accumulation in the soil silt and clay fraction. <i>Soil Biology and Biochemistry</i> , 2016, 103, 138-148.	4.2	65
144	Diversity of leaf litter leachates from temperate forest trees and its consequences for soil microbial activity. <i>Biogeochemistry</i> , 2016, 129, 373-388.	1.7	54
145	Local-scale determinants of elemental stoichiometry of soil in an old-growth temperate forest. <i>Plant and Soil</i> , 2016, 408, 401-414.	1.8	11

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146	Resource stoichiometry and the biogeochemical consequences of nitrogen deposition in a mixed deciduous forest. <i>Ecology</i> , 2016, 97, 3369-3378.	1.5	62
147	Nitrogen deposition may enhance soil carbon storage via change of soil respiration dynamic during a spring freeze-thaw cycle period. <i>Scientific Reports</i> , 2016, 6, 29134.	1.6	19
148	Carbon dioxide, nitrous oxide and methane emissions from the Waimate District (New Zealand) pasture soils as influenced by irrigation, effluent dispersal and earthworms. <i>Cogent Environmental Science</i> , 2016, 2, 1256564.	1.6	6
149	Microbial carbon use efficiency: accounting for population, community, and ecosystem-scale controls over the fate of metabolized organic matter. <i>Biogeochemistry</i> , 2016, 127, 173-188.	1.7	249
150	Element cycling as driven by stoichiometric homeostasis of soil microorganisms. <i>Basic and Applied Ecology</i> , 2016, 17, 471-478.	1.2	118
151	Eco-enzymatic stoichiometry and enzymatic vectors reveal differential C, N, P dynamics in decaying litter along a land-use gradient. <i>Biogeochemistry</i> , 2016, 129, 21-36.	1.7	106
152	Potential effects of warming on soil respiration and carbon sequestration in a subtropical forest. <i>Plant and Soil</i> , 2016, 409, 247-257.	1.8	27
153	Plant functional groups, grasses versus forbs, differ in their impact on soil carbon dynamics with nitrogen fertilization. <i>European Journal of Soil Biology</i> , 2016, 75, 79-87.	1.4	15
154	Organic nitrogen storage in mineral soil: Implications for policy and management. <i>Science of the Total Environment</i> , 2016, 551-552, 116-126.	3.9	111
155	Stoichiometry of microbial carbon use efficiency in soils. <i>Ecological Monographs</i> , 2016, 86, 172-189.	2.4	253
156	Tamm Review: Sequestration of carbon from coarse woody debris in forest soils. <i>Forest Ecology and Management</i> , 2016, 377, 1-15.	1.4	101
157	Multivariate regulation of soil CO ₂ and N ₂ O pulse emissions from agricultural soils. <i>Global Change Biology</i> , 2016, 22, 1286-1298.	4.2	57
158	Dual, differential isotope labeling shows the preferential movement of labile plant constituents into mineral-bonded soil organic matter. <i>Global Change Biology</i> , 2016, 22, 2301-2312.	4.2	102
159	Comparative Toxicities of Salts on Microbial Processes in Soil. <i>Applied and Environmental Microbiology</i> , 2016, 82, 2012-2020.	1.4	127
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