

# LITTER QUALITY AND THE TEMPERATURE SENSITIVE

Ecology

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Temperature sensitivity of decomposition in relation to soil organic matter pools: critique and outlook. <i>Biogeosciences</i> , 2005, 2, 317-321.	1.3	110
2	Predicting the temperature dependence of microbial respiration in soil: A continental-scale analysis. <i>Global Biogeochemical Cycles</i> , 2006, 20, n/a-n/a.	1.9	222
3	Brown Ground: A Soil Carbon Analogue for the Green World Hypothesis?. <i>American Naturalist</i> , 2006, 167, 619-627.	1.0	92
4	Is resistant soil organic matter more sensitive to temperature than the labile organic matter?. <i>Biogeosciences</i> , 2006, 3, 65-68.	1.3	36
5	Warming mineralises young and old soil carbon equally. <i>Biogeosciences</i> , 2006, 3, 515-519.	1.3	110
6	The freezer defrosting: global warming and litter decomposition rates in cold biomes. <i>Journal of Ecology</i> , 2006, 94, 713-724.	1.9	354
7	Temperature sensitivity of soil carbon decomposition and feedbacks to climate change. <i>Nature</i> , 2006, 440, 165-173.	13.7	5,114
8	Decomposition of macrophyte litter in a subtropical constructed wetland in south Florida (USA). <i>Ecological Engineering</i> , 2006, 27, 301-321.	1.6	181
9	Responses of soil bacterial and fungal communities to reciprocal transfers of soil between adjacent coniferous forest and meadow vegetation in the Cascade Mountains of Oregon. <i>Plant and Soil</i> , 2006, 289, 35-45.	1.8	28
10	Bridging the gap between micro - and macro-scale perspectives on the role of microbial communities in global change ecology. <i>Plant and Soil</i> , 2006, 289, 59-70.	1.8	86
11	The global-scale temperature and moisture dependencies of soil organic carbon decomposition: an analysis using a mechanistic decomposition model. <i>Biogeochemistry</i> , 2006, 80, 217-231.	1.7	147
12	Terrestrial ecosystem processes of Victoria Land, Antarctica. <i>Soil Biology and Biochemistry</i> , 2006, 38, 3019-3034.	4.2	119
13	Nutrient Cycling in the Tundra. , 2007, , 309-331.		17
14	Is plant biodiversity driven by decomposition processes? An emerging new theory on plant diversity. <i>Community Ecology</i> , 2007, 8, 103-109.	0.5	49
15	The distribution and degradation of biomarkers in Alberta grassland soil profiles. <i>Organic Geochemistry</i> , 2007, 38, 1558-1570.	0.9	114
16	Composition and Cycling of Organic Carbon in Soil. <i>Soil Biology</i> , 2007, , 1-35.	0.6	47
17	Interactive effects of solar UV radiation and climate change on biogeochemical cycling. <i>Photochemical and Photobiological Sciences</i> , 2007, 6, 286.	1.6	194
18	MICROBIAL NITROGEN LIMITATION INCREASES DECOMPOSITION. <i>Ecology</i> , 2007, 88, 2105-2113.	1.5	765

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19	Short-term controls on the age of microbial carbon sources in boreal forest soils. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	26
20	Temperature sensitivity of microbial respiration, nitrogen mineralization, and potential soil enzyme activities in organic alpine soils. <i>Global Biogeochemical Cycles</i> , 2007, 21, .	1.9	272
21	Microbial soil respiration and its dependency on carbon inputs, soil temperature and moisture. <i>Global Change Biology</i> , 2007, 13, 2018-2035.	4.2	423
22	The likely impact of elevated [CO <sub>2</sub> ], nitrogen deposition, increased temperature and management on carbon sequestration in temperate and boreal forest ecosystems: a literature review. <i>New Phytologist</i> , 2007, 173, 463-480.	3.5	579
23	Modelling decomposition of standard plant material along an altitudinal gradient: A re-analysis of data of Coates et al. (2002). <i>Soil Biology and Biochemistry</i> , 2007, 39, 99-105.	4.2	7
24	TOWARD AN ECOLOGICAL CLASSIFICATION OF SOIL BACTERIA. <i>Ecology</i> , 2007, 88, 1354-1364.	1.5	3,728
25	Field decomposition of transgenic Bt maize residue and the impact on non-target soil invertebrates. <i>Plant and Soil</i> , 2007, 300, 245-257.	1.8	77
26	Effects of <i>Ips typographus</i> (L.) damage on litter quality and decomposition rates of Oriental Spruce [ <i>Picea Orientalis</i> (L.) Link.] in Hatila Valley National Park, Turkey. <i>European Journal of Forest Research</i> , 2008, 127, 429-440.	1.1	11
27	Microbial contributions to climate change through carbon cycle feedbacks. <i>ISME Journal</i> , 2008, 2, 805-814.	4.4	888
28	Thermal adaptation of soil microbial respiration to elevated temperature. <i>Ecology Letters</i> , 2008, 11, 1316-1327.	3.0	690
29	Soil carbon stocks in experimental mesocosms are dependent on the rate of labile carbon, nitrogen and phosphorus inputs to soils. <i>Functional Ecology</i> , 2008, 22, 964-974.	1.7	224
30	Sensitivity of organic matter decomposition to warming varies with its quality. <i>Global Change Biology</i> , 2008, 14, 868-877.	4.2	335
31	Nonlinear root-derived carbon sequestration across a gradient of nitrogen and phosphorus deposition in experimental mesocosms. <i>Global Change Biology</i> , 2008, 14, 1113-1124.	4.2	58
32	Substrate quality and the temperature sensitivity of soil organic matter decomposition. <i>Soil Biology and Biochemistry</i> , 2008, 40, 1567-1574.	4.2	197
33	Micro-topographic patterns unravel controls of soil water and temperature on soil respiration in three Siberian tundra systems. <i>Soil Biology and Biochemistry</i> , 2008, 40, 1792-1802.	4.2	35
34	Impact of Global Warming on Soil Organic Carbon. <i>Advances in Agronomy</i> , 2008, 97, 1-43.	2.4	231
35	Stability of black carbon in soils across a climatic gradient. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	203
36	Resistance, resilience, and redundancy in microbial communities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 11512-11519.	3.3	2,195

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37	<i>In situ</i> incubations highlight the environmental constraints on soil organic carbon decomposition. <i>Environmental Research Letters</i> , 2008, 3, 044004.	2.2	25
38	EXPERIMENTAL WARMING SHOWS THAT DECOMPOSITION TEMPERATURE SENSITIVITY INCREASES WITH SOIL ORGANIC MATTER RECALCITRANCE. <i>Ecology</i> , 2008, 89, 2384-2391.	1.5	191
39	Measuring and modelling seasonal variation of gross nitrification rates in response to long-term fertilisation. <i>Biogeosciences</i> , 2009, 6, 2181-2192.	1.3	19
40	Soil Enzyme Analysis for Leaf Litter Decomposition in Global Wetlands. <i>Communications in Soil Science and Plant Analysis</i> , 2009, 40, 3323-3334.	0.6	18
41	Temperature sensitivity of respiration differs among forest floor layers in a <i>Pinus resinosa</i> plantation. <i>Soil Biology and Biochemistry</i> , 2009, 41, 1075-1079.	4.2	20
42	Temperature sensitivity of soil respiration is affected by prevailing climatic conditions and soil organic carbon content: A trans-China based case study. <i>Soil Biology and Biochemistry</i> , 2009, 41, 1531-1540.	4.2	165
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47	Temperature sensitivity of soil organic matter decomposition—what do we know?. <i>Biology and Fertility of Soils</i> , 2009, 46, 1-15.	2.3	404
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49	Temperature sensitivity and substrate quality in soil organic matter decomposition: results of an incubation study with three substrates. <i>Global Change Biology</i> , 2010, 16, 1806-1819.	4.2	122
50	The changing global carbon cycle: linking plant—soil carbon dynamics to global consequences. <i>Journal of Ecology</i> , 2009, 97, 840-850.	1.9	262
51	Temperature oscillation coupled with fungal community shifts can modulate warming effects on litter decomposition. <i>Ecology</i> , 2009, 90, 122-131.	1.5	162
52	Global climate change and litter decomposition: more frequent fire slows decomposition and increases the functional importance of invertebrates. <i>Global Change Biology</i> , 2009, 15, 2958-2971.	4.2	71
53	Carbon dioxide production and oxygen consumption during the early decomposition of different litter types over a range of temperatures in soil—inoculated quartz sand. <i>Journal of Plant Nutrition and Soil Science</i> , 2010, 173, 217-223.	1.1	12
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56	The importance of biotic factors in predicting global change effects on decomposition of temperate forest leaf litter. <i>Oecologia</i> , 2010, 163, 247-256.	0.9	69
57	Amino acid abundance and proteolytic potential in North American soils. <i>Oecologia</i> , 2010, 163, 1069-1078.	0.9	36
58	Effects of litter quality and climate change along an elevation gradient on litter mass loss in an alpine meadow ecosystem on the Tibetan plateau. <i>Plant Ecology</i> , 2010, 209, 257-268.	0.7	31
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61	Temperature sensitivity of organic matter decomposition in two boreal forest soil profiles. <i>Soil Biology and Biochemistry</i> , 2010, 42, 72-82.	4.2	130
62	Landscape-level variation in temperature sensitivity of soil organic carbon decomposition. <i>Soil Biology and Biochemistry</i> , 2010, 42, 373-375.	4.2	56
63	Rates of in situ carbon mineralization in relation to land-use, microbial community and edaphic characteristics. <i>Soil Biology and Biochemistry</i> , 2010, 42, 260-269.	4.2	49
64	Fungal growth on a common wood substrate across a tropical elevation gradient: Temperature sensitivity, community composition, and potential for above-ground decomposition. <i>Soil Biology and Biochemistry</i> , 2010, 42, 1083-1090.	4.2	61
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66	Temperature sensitivity increases with soil organic carbon recalcitrance along an elevational gradient in the Wuyi Mountains, China. <i>Soil Biology and Biochemistry</i> , 2010, 42, 1811-1815.	4.2	83
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71	Widespread coupling between the rate and temperature sensitivity of organic matter decay. <i>Nature Geoscience</i> , 2010, 3, 854-857.	5.4	328
72	Soil Respiration and Carbon Responses to Logging Debris and Competing Vegetation. <i>Soil Science Society of America Journal</i> , 2010, 74, 936-946.	1.2	17

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74	What is recalcitrant soil organic matter?. <i>Environmental Chemistry</i> , 2010, 7, 320.	0.7	314
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76	Temperature dependence of soil nitrogen mineralization rate: Comparison of mathematical models, reference temperatures and origin of the soils. <i>Geoderma</i> , 2010, 157, 97-108.	2.3	100
77	Effects of temperature, glucose and inorganic nitrogen inputs on carbon mineralization in a Tibetan alpine meadow soil. <i>European Journal of Soil Biology</i> , 2010, 46, 375-380.	1.4	51
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83	A biophysical water function to predict the response of soil nitrogen mineralization to soil water content. <i>Geoderma</i> , 2011, 167-168, 214-227.	2.3	17
84	Causal relationship between leaf litter beetle communities and regeneration patterns of vegetation in the Atlantic rainforest of Southern Brazil (Mata Atlntica). <i>Ecological Complexity</i> , 2011, 8, 299-309.	1.4	13
85	Effect of temperature and litter quality on decomposition rate of <i>Pinus patula</i> needle litter. <i>Procedia Environmental Sciences</i> , 2011, 6, 180-193.	1.3	21
86	Soil Organic Matter, Soil Health and Climate Change. <i>Soil Biology</i> , 2011, , 87-106.	0.6	9
87	The Role of Soil Characteristics on Temperature Sensitivity of Soil Organic Matter. <i>Soil Science Society of America Journal</i> , 2011, 75, 56-68.	1.2	88
88	Soil organisms and global climate change. <i>Plant Pathology</i> , 2011, 60, 82-99.	1.2	152
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95	Ecoenzymatic stoichiometry of recalcitrant organic matter decomposition: the growth rate hypothesis in reverse. <i>Biogeochemistry</i> , 2011, 102, 31-43.	1.7	194
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104	Structural Convergence of Maize and Wheat Straw during Two-Year Decomposition under Different Climate Conditions. <i>Environmental Science &amp; Technology</i> , 2012, 46, 7159-7165.	4.6	100
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106	Temperature sensitivity of tropical forest soil respiration increase along an altitudinal gradient with ongoing decomposition. <i>Geoderma</i> , 2012, 187-188, 8-15.	2.3	32
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109	The total amounts of radioactively contaminated materials in forests in Fukushima, Japan. <i>Scientific Reports</i> , 2012, 2, 416.	1.6	188

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119	Carbon quality and the temperature sensitivity of soil organic carbon decomposition in a tallgrass prairie. <i>Soil Biology and Biochemistry</i> , 2012, 50, 142-148.	4.2	61
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121	Lawn soil carbon storage in abandoned residential properties: An examination of ecosystem structure and function following partial human-natural decoupling. <i>Journal of Environmental Management</i> , 2012, 98, 155-162.	3.8	17
122	Dynamics of soil carbon to nitrogen ratio changes under long-term fertilizer addition in wheat-corn double cropping systems of China. <i>European Journal of Soil Science</i> , 2012, 63, 341-350.	1.8	23
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124	Can composition and physical protection of soil organic matter explain soil respiration temperature sensitivity?. <i>Biogeochemistry</i> , 2012, 107, 423-436.	1.7	75
125	Temperature sensitivity of greenhouse gas production in wetland soils of different vegetation. <i>Biogeochemistry</i> , 2012, 108, 77-90.	1.7	157
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127	Decomposition pathways of <sup>13</sup> C-depleted leaf litter in forest soils of the Swiss Jura. <i>Biogeochemistry</i> , 2012, 108, 395-411.	1.7	32
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132	Linking temperature sensitivity of soil organic matter decomposition to its molecular structure, accessibility, and microbial physiology. <i>Global Change Biology</i> , 2013, 19, 1114-1125.	4.2	132
133	Carbon and nitrogen turnover in response to warming and nitrogen addition during early stages of forest litter decomposition—an incubation experiment. <i>Journal of Soils and Sediments</i> , 2013, 13, 312-324.	1.5	8
134	Development and evaluation of a nutrient cycling extension for the LANDIS-II landscape simulation model. <i>Ecological Modelling</i> , 2013, 250, 45-57.	1.2	16
135	Structural features of fragmented woodland communities affect leaf litter decomposition rates. <i>Basic and Applied Ecology</i> , 2013, 14, 298-308.	1.2	16
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139	Does declining carbon-use efficiency explain thermal acclimation of soil respiration with warming?. <i>Global Change Biology</i> , 2013, 19, 252-263.	4.2	174
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141	Incubation Temperature and Substrate Quality Modulate Sporulation by Aquatic Hyphomycetes. <i>Microbial Ecology</i> , 2013, 66, 30-39.	1.4	19
142	Long-term water regime differentiates changes in decomposition and microbial properties in tropical peat soils exposed to the short-term drought. <i>Soil Biology and Biochemistry</i> , 2013, 60, 33-44.	4.2	74
143	Soil extractable carbon and nitrogen, microbial biomass and microbial metabolic activity in response to warming and increased precipitation in a semiarid Inner Mongolian grassland. <i>Geoderma</i> , 2013, 206, 24-31.	2.3	80
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149	Temperature response of litter and soil organic matter decomposition is determined by chemical composition of organic material. <i>Global Change Biology</i> , 2013, 19, 3858-3871.	4.2	56
150	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
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152	Reduction of the temperature sensitivity of minerotrophic fen methane emissions by simulated glacial atmospheric carbon dioxide starvation. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013, 118, 462-470.	1.3	3
153	Temperature Sensitivity of Soil Organic Carbon Mineralization along an Elevation Gradient in the Wuyi Mountains, China. <i>PLoS ONE</i> , 2013, 8, e53914.	1.1	46
154	Rates of Litter Decomposition and Soil Respiration in Relation to Soil Temperature and Water in Different-Aged <i>Pinus massoniana</i> Forests in the Three Gorges Reservoir Area, China. <i>PLoS ONE</i> , 2014, 9, e101890.	1.1	49
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157	Determinants of the pathways of litter chemical decomposition in a tropical region. <i>New Phytologist</i> , 2014, 203, 873-882.	3.5	30
158	Higher temperature sensitivity for stable than for labile soil organic carbon – Evidence from incubations of long-term bare fallow soils. <i>Global Change Biology</i> , 2014, 20, 633-640.	4.2	120
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160	Decomposition of Organic Materials into High Value Compost for Sustainable Crop Productivity. <i>Sustainable Development and Biodiversity</i> , 2014, , 245-267.	1.4	1
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