

Temperature sensitivity of soil respiration rates enhanced by warming response

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Disentangling residence time and temperature sensitivity of microbial decomposition in a global soil carbon model. <i>Biogeosciences</i> , 2014, 11, 6999-7008.	1.3	7
3	Belowground carbon responses to experimental warming regulated by soil moisture change in an alpine ecosystem of the Qinghai-Tibet Plateau. <i>Ecology and Evolution</i> , 2015, 5, 4063-4078.	0.8	28
4	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
5	Deep influence of soil microbes. <i>Nature Plants</i> , 2015, 1, 15194.	4.7	7
6	Explicitly representing soil microbial processes in Earth system models. <i>Global Biogeochemical Cycles</i> , 2015, 29, 1782-1800.	1.9	286
7	Vegetation shift from deciduous to evergreen dwarf shrubs in response to selective herbivory offsets carbon losses: evidence from 19 years of warming and simulated herbivory in the subarctic tundra. <i>Global Change Biology</i> , 2015, 21, 3696-3711.	4.2	50
8	Long-term reindeer grazing limits warming-induced increases in CO ₂ released by tundra heath soil: potential role of soil C quality. <i>Environmental Research Letters</i> , 2015, 10, 094020.	2.2	7
9	Effects of diurnal temperature variation on microbial community and petroleum hydrocarbon biodegradation in contaminated soils from a subarctic site. <i>Environmental Microbiology</i> , 2015, 17, 4916-4928.	1.8	32
10	Vegetation and elevation influence the timing and magnitude of soil CO ₂ efflux in a humid, topographically complex watershed. <i>Biogeosciences</i> , 2015, 12, 2975-2994.	1.3	12
11	Nonlinear temperature sensitivity of enzyme kinetics explains canceling effect – a case study on loamy haplic Luvisol. <i>Frontiers in Microbiology</i> , 2015, 6, 1126.	1.5	91
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14	Biochar for Climate Change Mitigation: Tracing the in-situ Priming Effect on a Forest Site. <i>Energy Procedia</i> , 2015, 76, 381-387.	1.8	14
15	Shifts in the microbial community structure explain the response of soil respiration to land-use change but not to climate warming. <i>Soil Biology and Biochemistry</i> , 2015, 89, 123-134.	4.2	63
16	Snapshot of methanogen sensitivity to temperature in Zoige wetland from Tibetan plateau. <i>Frontiers in Microbiology</i> , 2015, 6, 131.	1.5	41
17	Microbial ecology in a future climate: effects of temperature and moisture on microbial communities of two boreal fens. <i>FEMS Microbiology Ecology</i> , 2015, 91, .	1.3	62
18	Positive feedback drives carbon release from soils to atmosphere during Paleocene/Eocene warming. <i>Numerische Mathematik</i> , 2015, 315, 337-361.	0.7	14
19	Grazing intensity in subarctic tundra affects the temperature adaptation of soil microbial communities. <i>Soil Biology and Biochemistry</i> , 2015, 84, 147-157.	4.2	51

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21	Responses to increases in temperature of heterotrophic micro-organisms in soils from the maritime Antarctic. <i>Polar Biology</i> , 2015, 38, 1153-1160.	0.5	6
22	Climate change "Is it the cause or the effect?". <i>KSCE Journal of Civil Engineering</i> , 2015, 19, 359-365.	0.9	5
23	Water availability and abundance of microbial groups are key determinants of greenhouse gas fluxes in a dryland forest ecosystem. <i>Soil Biology and Biochemistry</i> , 2015, 86, 5-16.	4.2	61
24	Labile substrate availability controls temperature sensitivity of organic carbon decomposition at different soil depths. <i>Biogeochemistry</i> , 2015, 126, 85-98.	1.7	45
25	Divergent responses of organic matter composition to incubation temperature. <i>Geoderma</i> , 2015, 259-260, 279-287.	2.3	3
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30	Influences of Reindeer Grazing on Above- and Belowground Biomass and Soil Carbon Dynamics. <i>Arctic, Antarctic, and Alpine Research</i> , 2015, 47, 495-503.	0.4	19
31	Competitive sorption of microbial metabolites on an iron oxide mineral. <i>Soil Biology and Biochemistry</i> , 2015, 90, 34-41.	4.2	45
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35	Temperature Sensitivity as a Microbial Trait Using Parameters from Macromolecular Rate Theory. <i>Frontiers in Microbiology</i> , 2016, 7, 1821.	1.5	43
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38	Shallow snowpack inhibits soil respiration in sagebrush steppe through multiple biotic and abiotic mechanisms. <i>Ecosphere</i> , 2016, 7, e01297.	1.0	10

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153	The influence of soil communities on the temperature sensitivity of soil respiration. <i>Nature Ecology and Evolution</i> , 2018, 2, 1597-1602.	3.4	51
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156	Climate, Geography, and Soil Abiotic Properties as Modulators of Soil Carbon Storage. , 2018, , 137-165.		3
157	Impact of Global Changes on Soil C Storage—Possible Mechanisms and Modeling Approaches. , 2018, , 245-279.		1
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164	Tundra microbial community taxa and traits predict decomposition parameters of stable, old soil organic carbon. <i>ISME Journal</i> , 2019, 13, 2901-2915.	4.4	24
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