

# Susan E Trumbore

## List of Publications by Year in descending order

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Version: 2024-02-01

202  
papers

27,777  
citations

9786

73  
h-index

6300

158  
g-index

262  
all docs

262  
docs citations

262  
times ranked

23963  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dark CO <sub>2</sub> fixation in temperate beech and pine forest soils. <i>Soil Biology and Biochemistry</i> , 2022, 165, 108526.	8.8	11
2	Probability Distributions of Radiocarbon in Open Linear Compartmental Systems at Steady-State. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	3.0	3
3	Thank You to Our 2021 Peer Reviewers. <i>AGU Advances</i> , 2022, 3, .	5.4	0
4	Carbon fixation rates in groundwater similar to those in oligotrophic marine systems. <i>Nature Geoscience</i> , 2022, 15, 561-567.	12.9	28
5	Integrating the evidence for a terrestrial carbon sink caused by increasing atmospheric CO <sub>2</sub> . <i>New Phytologist</i> , 2021, 229, 2413-2445.	7.3	286
6	Effects of mound building <i>Lasius flavus</i> on organic carbon and nutrient fluxes in soils of temperate grassland ecosystems. <i>Pedobiologia</i> , 2021, 84, 150701.	1.2	2
7	How will a drier climate change carbon sequestration in soils of the deciduous forests of Central Europe?. <i>Biogeochemistry</i> , 2021, 152, 13-32.	3.5	21
8	The shadow of the Balbina dam: A synthesis of over 35 years of downstream impacts on floodplain forests in Central Amazonia. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2021, 31, 1117-1135.	2.0	40
9	Age distribution, extractability, and stability of mineral-bound organic carbon in central European soils. <i>Biogeosciences</i> , 2021, 18, 1241-1257.	3.3	9
10	Starch and lipid storage strategies in tropical trees relate to growth and mortality. <i>New Phytologist</i> , 2021, 230, 139-154.	7.3	25
11	Confronting Racism to Advance Our Science. <i>AGU Advances</i> , 2021, 2, e2020AV000296.	5.4	1
12	Thank You to Our 2020 Peer Reviewers. <i>AGU Advances</i> , 2021, 2, e2021AV000426.	5.4	0
13	Recovery of Forest Structure Following Large-Scale Windthrows in the Northwestern Amazon. <i>Forests</i> , 2021, 12, 667.	2.1	7
14	The size and the age of the metabolically active carbon in tree roots. <i>Plant, Cell and Environment</i> , 2021, 44, 2522-2535.	5.7	10
15	Continental-scale controls on soil organic carbon across sub-Saharan Africa. <i>Soil</i> , 2021, 7, 305-332.	4.9	30
16	Storage of carbon reserves in spruce trees is prioritized over growth in the face of carbon limitation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	45
17	Soil organic matter turnover rates increase to match increased inputs in grazed grasslands. <i>Biogeochemistry</i> , 2021, 156, 145-160.	3.5	14
18	Impacts of Drying and Rewetting on the Radiocarbon Signature of Respired CO <sub>2</sub> and Implications for Incubating Archived Soils. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG006119.	3.0	0

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19	Geoscientists, Who Have Documented the Rapid and Accelerating Climate Crisis for Decades, Are Now Pleading for Immediate Collective Action. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL096644.	4.0	3
20	COSORE: A community database for continuous soil respiration and other soil-atmosphere greenhouse gas flux data. <i>Global Change Biology</i> , 2020, 26, 7268-7283.	9.5	50
21	Probability distributions of nonstructural carbon ages and transit times provide insights into carbon allocation dynamics of mature trees. <i>New Phytologist</i> , 2020, 226, 1299-1311.	7.3	27
22	Rates of dark CO <sub>2</sub> fixation are driven by microbial biomass in a temperate forest soil. <i>Soil Biology and Biochemistry</i> , 2020, 150, 107950.	8.8	33
23	Simultaneous Real-Time Measurement of Isoprene and 2-Methyl-3-Buten-2-ol Emissions From Trees Using SIFT-MS. <i>Frontiers in Plant Science</i> , 2020, 11, 578204.	3.6	7
24	Thank You to Our 2019 Reviewers. <i>AGU Advances</i> , 2020, 1, e2020AV000181.	5.4	0
25	Flood-pulse disturbances as a threat for long-living Amazonian trees. <i>New Phytologist</i> , 2020, 227, 1790-1803.	7.3	28
26	Agricultural acceleration of soil carbonate weathering. <i>Global Change Biology</i> , 2020, 26, 5988-6002.	9.5	55
27	The age distribution of global soil carbon inferred from radiocarbon measurements. <i>Nature Geoscience</i> , 2020, 13, 555-559.	12.9	123
28	Impacts of Degradation on Water, Energy, and Carbon Cycling of the Amazon Tropical Forests. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2020JG005677.	3.0	44
29	Tropical Trees as Time Capsules of Anthropogenic Activity. <i>Trends in Plant Science</i> , 2020, 25, 369-380.	8.8	18
30	AGU Advances Goes Online. <i>AGU Advances</i> , 2020, 1, e2019AV000105.	5.4	0
31	Production of constitutive and induced secondary metabolites is coordinated with growth and storage in Norway spruce saplings. <i>Tree Physiology</i> , 2020, 40, 928-942.	3.1	18
32	SIFT-MS optimization for atmospheric trace gas measurements at varying humidity. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 3507-3520.	3.1	22
33	An open-source database for the synthesis of soil radiocarbon data: International Soil Radiocarbon Database (ISRad) version 1.0. <i>Earth System Science Data</i> , 2020, 12, 61-76.	9.9	48
34	Winter's bite: beech trees survive complete defoliation due to spring late-frost damage by mobilizing old C reserves. <i>New Phytologist</i> , 2019, 224, 625-631.	7.3	36
35	Comparison of CO <sub>2</sub> and O <sub>2</sub> fluxes demonstrate retention of respired CO <sub>2</sub> in tree stems from a range of tree species. <i>Biogeosciences</i> , 2019, 16, 177-191.	3.3	20
36	Mobilization of aged and biolabile soil carbon by tropical deforestation. <i>Nature Geoscience</i> , 2019, 12, 541-546.	12.9	97

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37	Prolonged tropical forest degradation due to compounding disturbances: Implications for CO <sub>2</sub> and H <sub>2</sub> O fluxes. <i>Global Change Biology</i> , 2019, 25, 2855-2868.	9.5	43
38	Rapid response of habitat structure and above-ground carbon storage to altered fire regimes in tropical savanna. <i>Biogeosciences</i> , 2019, 16, 1493-1503.	3.3	16
39	Fiber-Enhanced Raman Gas Spectroscopy for <sup>18</sup> O- <sup>13</sup> C-Labeling Experiments. <i>Analytical Chemistry</i> , 2019, 91, 7562-7569.	6.5	49
40	Comparison With Global Soil Radiocarbon Observations Indicates Needed Carbon Cycle Improvements in the E3SM Land Model. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 1098-1114.	3.0	9
41	Isotope labeling reveals contribution of newly fixed carbon to carbon storage and monoterpenes production under water deficit and carbon limitation. <i>Environmental and Experimental Botany</i> , 2019, 162, 333-344.	4.2	15
42	Isolation of Individual Saturated Fatty Acid Methyl Esters Derived From Groundwater Phospholipids by Preparative High-Pressure Liquid Chromatography for Compound-Specific Radiocarbon Analyses. <i>Water Resources Research</i> , 2019, 55, 2521-2531.	4.2	5
43	Effects of Tropical Deforestation on Surface Energy Balance Partitioning in Southeastern Amazonia Estimated From Maximum Convective Power. <i>Geophysical Research Letters</i> , 2019, 46, 4396-4403.	4.0	14
44	Microbial community responses determine how soil-atmosphere exchange of carbonyl sulfide, carbon monoxide, and nitric oxide responds to soil moisture. <i>Soil</i> , 2019, 5, 121-135.	4.9	8
45	Fire, fragmentation, and windstorms: A recipe for tropical forest degradation. <i>Journal of Ecology</i> , 2019, 107, 656-667.	4.0	74
46	<sup>14</sup> C-Free Carbon Is a Major Contributor to Cellular Biomass in Geochemically Distinct Groundwater of Shallow Sedimentary Bedrock Aquifers. <i>Water Resources Research</i> , 2019, 55, 2104-2121.	4.2	24
47	Soil properties determine how <i>Lasius flavus</i> impact on topsoil organic matter and nutrient distribution in central Germany. <i>Applied Soil Ecology</i> , 2019, 133, 166-176.	4.3	5
48	Eyes on the future – evidence for trade-offs between growth, storage and defense in Norway spruce. <i>New Phytologist</i> , 2019, 222, 144-158.	7.3	88
49	Detours on the phloem sugar highway: stem carbon storage and remobilization. <i>Current Opinion in Plant Biology</i> , 2018, 43, 89-95.	7.1	56
50	Foliar nutrient resorption differs between arbuscular mycorrhizal and ectomycorrhizal trees at local and global scales. <i>Global Ecology and Biogeography</i> , 2018, 27, 875-885.	5.8	55
51	Using radiocarbon-calibrated dendrochronology to improve tree-cutting cycle estimates for timber management in southern Amazon forests. <i>Trees - Structure and Function</i> , 2018, 32, 587-602.	1.9	15
52	Soil Carbon Dynamics in Soybean Cropland and Forests in Mato Grosso, Brazil. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 18-31.	3.0	22
53	Variability in fire-induced change to vegetation physiognomy and biomass in semi-arid savanna. <i>Ecosphere</i> , 2018, 9, e02514.	2.2	23
54	Windthrows control biomass patterns and functional composition of Amazon forests. <i>Global Change Biology</i> , 2018, 24, 5867-5881.	9.5	43

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55	Soil Organic Matter Persistence as a Stochastic Process: Age and Transit Time Distributions of Carbon in Soils. <i>Global Biogeochemical Cycles</i> , 2018, 32, 1574-1588.	4.9	43
56	New Perspectives on CO <sub>2</sub> , Temperature, and Light Effects on BVOC Emissions Using Online Measurements by PTR-MS and Cavity Ring-Down Spectroscopy. <i>Environmental Science &amp; Technology</i> , 2018, 52, 13811-13823.	10.0	31
57	In situ production of core and intact bacterial and archaeal tetraether lipids in groundwater. <i>Organic Geochemistry</i> , 2018, 126, 1-12.	1.8	14
58	Thiosulfate- and hydrogen-driven autotrophic denitrification by a microbial consortium enriched from groundwater of an oligotrophic limestone aquifer. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	2.7	56
59	Living on borrowed time – Amazonian trees use decade-old storage carbon to survive for months after complete stem girdling. <i>New Phytologist</i> , 2018, 220, 111-120.	7.3	29
60	A revised hydrological model for the Central Amazon: The importance of emergent canopy trees in the forest water budget. <i>Agricultural and Forest Meteorology</i> , 2017, 239, 47-57.	4.8	60
61	Tree mortality of a flood-adapted species in response of hydrographic changes caused by an Amazonian river dam. <i>Forest Ecology and Management</i> , 2017, 396, 113-123.	3.2	67
62	Direct Raman Spectroscopic Measurements of Biological Nitrogen Fixation under Natural Conditions: An Analytical Approach for Studying Nitrogenase Activity. <i>Analytical Chemistry</i> , 2017, 89, 1117-1122.	6.5	41
63	Onsite cavity enhanced Raman spectrometry for the investigation of gas exchange processes in the Earth's critical zone. <i>Analyst</i> , The, 2017, 142, 3360-3369.	3.5	41
64	Vegetation impacts soil water content patterns by shaping canopy water fluxes and soil properties. <i>Hydrological Processes</i> , 2017, 31, 3783-3795.	2.6	62
65	Yellow-meadow ant ( <i>Lasius flavus</i> ) mound development determines soil properties and growth responses of different plant functional types. <i>European Journal of Soil Biology</i> , 2017, 81, 83-93.	3.2	10
66	The muddle of ages, turnover, transit, and residence times in the carbon cycle. <i>Global Change Biology</i> , 2017, 23, 1763-1773.	9.5	97
67	Nitrogen Loss from Pristine Carbonate-Rock Aquifers of the Hainich Critical Zone Exploratory (Germany) Is Primarily Driven by Chemolithoautotrophic Anammox Processes. <i>Frontiers in Microbiology</i> , 2017, 8, 1951.	3.5	48
68	Carbon isotopes of dissolved inorganic carbon reflect utilization of different carbon sources by microbial communities in two limestone aquifer assemblages. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 4283-4300.	4.9	45
69	Timescales of carbon turnover in soils with mixed crystalline mineralogies. <i>Soil</i> , 2017, 3, 17-30.	4.9	23
70	Functional diversity of microbial communities in pristine aquifers inferred by PLFA- and sequencing-based approaches. <i>Biogeosciences</i> , 2017, 14, 2697-2714.	3.3	72
71	Aquifer configuration and geostructural links control the groundwater quality in thin-bedded carbonate-siliciclastic alternations of the Hainich CZE, central Germany. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 6091-6116.	4.9	58
72	Windthrows increase soil carbon stocks in a central Amazon forest. <i>Biogeosciences</i> , 2016, 13, 1299-1308.	3.3	22

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73	Predicting biomass of hyperdiverse and structurally complex central Amazonian forests – a virtual approach using extensive field data. <i>Biogeosciences</i> , 2016, 13, 1553-1570.	3.3	17
74	How Deep Can Surface Signals Be Traced in the Critical Zone? Merging Biodiversity with Biogeochemistry Research in a Central German Muschelkalk Landscape. <i>Frontiers in Earth Science</i> , 2016, 4, .	1.8	98
75	Community Composition and Abundance of Bacterial, Archaeal and Nitrifying Populations in Savanna Soils on Contrasting Bedrock Material in Kruger National Park, South Africa. <i>Frontiers in Microbiology</i> , 2016, 7, 1638.	3.5	34
76	How fresh is maple syrup? Sugar maple trees mobilize carbon stored several years previously during early springtime sap ascent. <i>New Phytologist</i> , 2016, 209, 1410-1416.	7.3	54
77	Understanding the roles of nonstructural carbohydrates in forest trees – from what we can measure to what we want to know. <i>New Phytologist</i> , 2016, 211, 386-403.	7.3	532
78	Radiocarbon constraints imply reduced carbon uptake by soils during the 21st century. <i>Science</i> , 2016, 353, 1419-1424.	12.6	149
79	Soil methanotroph abundance and community composition are not influenced by substrate availability in laboratory incubations. <i>Soil Biology and Biochemistry</i> , 2016, 101, 184-194.	8.8	27
80	Seasonal variations in the stable oxygen isotope ratio of wood cellulose reveal annual rings of trees in a Central Amazon terra firme forest. <i>Oecologia</i> , 2016, 180, 685-696.	2.0	25
81	Toward an integrated monitoring framework to assess the effects of tropical forest degradation and recovery on carbon stocks and biodiversity. <i>Global Change Biology</i> , 2016, 22, 92-109.	9.5	165
82	Impacts of leguminous shrub encroachment on neighboring grasses include transfer of fixed nitrogen. <i>Oecologia</i> , 2016, 180, 1213-1222.	2.0	16
83	Criteria for rejection of papers without review. <i>Global Biogeochemical Cycles</i> , 2015, 29, 1123-1123.	4.9	6
84	Multigas Leakage Correction in Static Environmental Chambers Using Sulfur Hexafluoride and Raman Spectroscopy. <i>Analytical Chemistry</i> , 2015, 87, 11137-11142.	6.5	45
85	Methane oxidation in the eastern tropical North Pacific Ocean water column. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 1078-1092.	3.0	31
86	The Amazon Tall Tower Observatory (ATTO): overview of pilot measurements on ecosystem ecology, meteorology, trace gases, and aerosols. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 10723-10776.	4.9	218
87	<i>Pinus sylvestris</i> switches respiration substrates under shading but not during drought. <i>New Phytologist</i> , 2015, 207, 542-550.	7.3	44
88	Autotrophic fixation of geogenic CO <sub>2</sub> by microorganisms contributes to soil organic matter formation and alters isotope signatures in a wetland mofette. <i>Biogeosciences</i> , 2015, 12, 7169-7183.	3.3	44
89	Influence of Rhizobia Inoculation on Biomass Gain and Tissue Nitrogen Content of <i>Leucaena leucocephala</i> Seedlings under Drought. <i>Forests</i> , 2015, 6, 3686-3703.	2.1	13
90	A thank you to our GBC reviewers. <i>Global Biogeochemical Cycles</i> , 2015, 29, 1124-1124.	4.9	0

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91	No depth-dependence of fine root litter decomposition in temperate beech forest soils. <i>Plant and Soil</i> , 2015, 393, 273-282.	3.7	24
92	Online investigation of respiratory quotients in <i>Pinus sylvestris</i> and <i>Picea abies</i> during drought and shading by means of cavity-enhanced Raman multi-gas spectrometry. <i>Analyst, The</i> , 2015, 140, 4473-4481.	3.5	50
93	Carbon sequestration potential of hydrothermal carbonization char (hydrochar) in two contrasting soils; results of a 1-year field study. <i>Biology and Fertility of Soils</i> , 2015, 51, 123-134.	4.3	57
94	Early recruitment responses to interactions between frequent fires, nutrients, and herbivory in the southern Amazon. <i>Oecologia</i> , 2015, 178, 807-817.	2.0	14
95	Sensitivity of decomposition rates of soil organic matter with respect to simultaneous changes in temperature and moisture. <i>Journal of Advances in Modeling Earth Systems</i> , 2015, 7, 335-356.	3.8	252
96	Plant carbon limitation does not reduce nitrogen transfer from arbuscular mycorrhizal fungi to <i>Plantago lanceolata</i> . <i>Plant and Soil</i> , 2015, 396, 369-380.	3.7	31
97	Higher tree transpiration due to road-associated edge effects in a tropical moist lowland forest. <i>Agricultural and Forest Meteorology</i> , 2015, 213, 183-192.	4.8	42
98	Long-term controls on soil organic carbon with depth and time: A case study from the Cowlitz River Chronosequence, WA USA. <i>Geoderma</i> , 2015, 247-248, 73-87.	5.1	105
99	Allocation to carbon storage pools in Norway spruce saplings under drought and low CO <sub>2</sub> . <i>Tree Physiology</i> , 2015, 35, 243-252.	3.1	71
100	Plant diversity increases soil microbial activity and soil carbon storage. <i>Nature Communications</i> , 2015, 6, 6707.	12.8	949
101	Phloem flow and sugar transport in <i>Ricinus communis</i> is inhibited under anoxic conditions of shoot or roots. <i>Plant, Cell and Environment</i> , 2015, 38, 433-447.	5.7	31
102	Non-structural carbon dynamics and allocation relate to growth rate and leaf habit in California oaks. <i>Tree Physiology</i> , 2015, 35, tpv097.	3.1	41
103	Forest health and global change. <i>Science</i> , 2015, 349, 814-818.	12.6	697
104	Shifts in soil microbial community structure, nitrogen cycling and the concomitant declining N availability in ageing primary boreal forest ecosystems. <i>Soil Biology and Biochemistry</i> , 2015, 91, 200-211.	8.8	49
105	Bayesian calibration of a soil organic carbon model using $\delta^{13}C$ measurements of soil organic carbon and heterotrophic respiration as joint constraints. <i>Biogeosciences</i> , 2014, 11, 2147-2168.	3.3	29
106	Modeling radiocarbon dynamics in soils: SoilR version 1.1. <i>Geoscientific Model Development</i> , 2014, 7, 1919-1931.	3.6	38
107	An optimal defense strategy for phenolic glycoside production in <i>Populus trichocarpa</i> isotope labeling demonstrates secondary metabolite production in growing leaves. <i>New Phytologist</i> , 2014, 203, 607-619.	7.3	39
108	Enhanced Raman multigas sensing a novel tool for control and analysis of $^{13}CO_2$ labeling experiments in environmental research. <i>Analyst, The</i> , 2014, 139, 3879.	3.5	63



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109	Controls on soil carbon storage and turnover in German landscapes. <i>Biogeochemistry</i> , 2014, 119, 435-451.	3.5	57
110	Factors controlling decomposition rates of fine root litter in temperate forests and grasslands. <i>Plant and Soil</i> , 2014, 382, 203-218.	3.7	149
111	Increased belowground carbon inputs and warming promote loss of soil organic carbon through complementary microbial responses. <i>Soil Biology and Biochemistry</i> , 2014, 76, 57-69.	8.8	115
112	Large-Scale Wind Disturbances Promote Tree Diversity in a Central Amazon Forest. <i>PLoS ONE</i> , 2014, 9, e103711.	2.5	75
113	Interactions between repeated fire, nutrients, and insect herbivores affect the recovery of diversity in the southern Amazon. <i>Oecologia</i> , 2013, 172, 219-229.	2.0	35
114	High temperature causes negative whole-plant carbon balance under mild drought. <i>New Phytologist</i> , 2013, 200, 330-339.	7.3	108
115	Thirst beats hunger – declining hydration during drought prevents carbon starvation in Norway spruce saplings. <i>New Phytologist</i> , 2013, 200, 340-349.	7.3	220
116	Variable effects of plant colonization on black slate uptake into microbial PLFAs. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 106, 391-403.	3.9	13
117	What's the flux? Unraveling how $CO_2$ fluxes from trees reflect underlying physiological processes. <i>New Phytologist</i> , 2013, 197, 353-355.	7.3	52
118	Lethal drought leads to reduction in nonstructural carbohydrates in Norway spruce tree roots but not in the canopy. <i>Functional Ecology</i> , 2013, 27, 413-427.	3.6	194
119	Chars produced by slow pyrolysis and hydrothermal carbonization vary in carbon sequestration potential and greenhouse gases emissions. <i>Soil Biology and Biochemistry</i> , 2013, 62, 137-146.	8.8	150
120	The steady-state mosaic of disturbance and succession across an old-growth Central Amazon forest landscape. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 3949-3954.	7.1	186
121	Carbon dioxide emitted from live stems of tropical trees is several years old. <i>Tree Physiology</i> , 2013, 33, 743-752.	3.1	37
122	Long-term changes in forest carbon under temperature and nitrogen amendments in a temperate northern hardwood forest. <i>Global Change Biology</i> , 2013, 19, 2389-2400.	9.5	41
123	A dual isotope approach to isolate soil carbon pools of different turnover times. <i>Biogeosciences</i> , 2013, 10, 8067-8081.	3.3	52
124	Mean age of carbon in fine roots from temperate forests and grasslands with different management. <i>Biogeosciences</i> , 2013, 10, 4833-4843.	3.3	45
125	Warming accelerates decomposition of decades-old carbon in forest soils. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E1753-61.	7.1	118
126	Dynamics of decadal cycling carbon in subsurface soils. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	48



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127	Constructing a database of terrestrial radiocarbon measurements. <i>Eos</i> , 2011, 92, 376-376.	0.1	1
128	Variable effects of labile carbon on the carbon use of different microbial groups in black slate degradation. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 2557-2570.	3.9	44
129	Persistence of soil organic matter as an ecosystem property. <i>Nature</i> , 2011, 478, 49-56.	27.8	4,243
130	Drying/rewetting cycles mobilize old C from deep soils from a California annual grassland. <i>Soil Biology and Biochemistry</i> , 2011, 43, 1101-1103.	8.8	75
131	A method for measuring methane oxidation rates using low levels of <sup>14</sup> C-labeled methane and accelerator mass spectrometry. <i>Limnology and Oceanography: Methods</i> , 2011, 9, 245-260.	2.0	33
132	Blank Assessment for Ultra-Small Radiocarbon Samples: Chemical Extraction and Separation Versus AMS. <i>Radiocarbon</i> , 2010, 52, 1322-1335.	1.8	92
133	Decomposition of old organic matter as a result of deeper active layers in a snow depth manipulation experiment. <i>Oecologia</i> , 2010, 163, 785-792.	2.0	98
134	Evaluation of structural chemistry and isotopic signatures of refractory soil organic carbon fraction isolated by wet oxidation methods. <i>Biogeochemistry</i> , 2010, 98, 29-44.	3.5	39
135	Recent (<4 year old) leaf litter is not a major source of microbial carbon in a temperate forest mineral soil. <i>Soil Biology and Biochemistry</i> , 2010, 42, 1028-1037.	8.8	116
136	Is the Consensus Value of ANU Sucrose (IAEA C-6) Too High?. <i>Radiocarbon</i> , 2010, 52, 866-874.	1.8	24
137	Compound-Specific Radiocarbon Analyses of Phospholipid Fatty Acids and N-Alkanes in Ocean Sediments. <i>Radiocarbon</i> , 2010, 52, 1215-1223.	1.8	24
138	ForCent model development and testing using the Enriched Background Isotope Study experiment. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	56
139	Evidence of old carbon used to grow new fine roots in a tropical forest. <i>New Phytologist</i> , 2009, 182, 710-718.	7.3	100
140	Flux of carbon from <sup>14</sup> C-enriched leaf litter throughout a forest soil mesocosm. <i>Geoderma</i> , 2009, 149, 181-188.	5.1	36
141	Radiocarbon and Soil Carbon Dynamics. <i>Annual Review of Earth and Planetary Sciences</i> , 2009, 37, 47-66.	11.0	473
142	Nutrient Addition Prompts Rapid Destabilization of Organic Matter in an Arctic Tundra Ecosystem. <i>Ecosystems</i> , 2008, 11, 16-25.	3.4	66
143	Uptake of an amino acid by ectomycorrhizal fungi in a boreal forest. <i>Soil Biology and Biochemistry</i> , 2008, 40, 1964-1966.	8.8	10
144	An Uncertain Future for Soil Carbon. <i>Science</i> , 2008, 321, 1455-1456.	12.6	197

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145	Methods of Separating Soil Carbon Pools Affect the Chemistry and Turnover Time of Isolated Fractions. Radiocarbon, 2008, 50, 83-97.	1.8	35
146	Allocation and residence time of photosynthetic products in a boreal forest using a low-level <sup>14</sup> C pulse-chase labeling technique. Global Change Biology, 2007, 13, 466-477.	9.5	131
147	Vertical partitioning of CO <sub>2</sub> production within a temperate forest soil. Global Change Biology, 2007, 13, 922-922.	9.5	10
148	Spatial separation of litter decomposition and mycorrhizal nitrogen uptake in a boreal forest. New Phytologist, 2007, 173, 611-620.	7.3	779
149	Contribution of new photosynthetic assimilates to respiration by perennial grasses and shrubs: residence times and allocation patterns. New Phytologist, 2007, 176, 124-135.	7.3	179
150	Modifying a sealed tube zinc reduction method for preparation of AMS graphite targets: Reducing background and attaining high precision. Nuclear Instruments & Methods in Physics Research B, 2007, 259, 320-329.	1.4	364
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