

Margaret S. Torn

List of Publications by Year in descending order

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Version: 2024-02-01

171
papers

23,354
citations

8732

75
h-index

8599

146
g-index

179
all docs

179
docs citations

179
times ranked

21179
citing authors

#	ARTICLE	IF	CITATIONS
1	Seasonal and interannual variability in $\delta^{13}C$ composition of ecosystem carbon fluxes in the U.S. Southern Great Plains. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 63, 181.	0.8	21
2	Direct and indirect effects of climatic variations on the interannual variability in net ecosystem exchange across terrestrial ecosystems. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 68, 30575.	0.8	21
3	Informing Nature-based Climate Solutions for the United States with the best available science. <i>Global Change Biology</i> , 2022, 28, 3778-3794.	4.2	28
4	Dispersal and fire limit Arctic shrub expansion. <i>Nature Communications</i> , 2022, 13, .	5.8	6
5	Global stocks and capacity of mineral-associated soil organic carbon. <i>Nature Communications</i> , 2022, 13, .	5.8	146
6	Integrating the evidence for a terrestrial carbon sink caused by increasing atmospheric CO_2 . <i>New Phytologist</i> , 2021, 229, 2413-2445.	3.5	286
7	How much carbon can be added to soil by sorption?. <i>Biogeochemistry</i> , 2021, 152, 127-142.	1.7	27
8	Substantial hysteresis in emergent temperature sensitivity of global wetland CH_4 emissions. <i>Nature Communications</i> , 2021, 12, 2266.	5.8	34
9	Arctic tundra shrubification: a review of mechanisms and impacts on ecosystem carbon balance. <i>Environmental Research Letters</i> , 2021, 16, 053001.	2.2	121
10	Metabolic capabilities mute positive response to direct and indirect impacts of warming throughout the soil profile. <i>Nature Communications</i> , 2021, 12, 2089.	5.8	36
11	Representativeness of Eddy-Covariance flux footprints for areas surrounding AmeriFlux sites. <i>Agricultural and Forest Meteorology</i> , 2021, 301-302, 108350.	1.9	125
12	Warming promotes loss of subsoil carbon through accelerated degradation of plant-derived organic matter. <i>Soil Biology and Biochemistry</i> , 2021, 156, 108185.	4.2	35
13	Five years of whole-soil warming led to loss of subsoil carbon stocks and increased CO_2 efflux. <i>Science Advances</i> , 2021, 7, .	4.7	98
14	Carbon-Neutral Pathways for the United States. <i>AGU Advances</i> , 2021, 2, e2020AV000284.	2.3	215
15	Influence of Tundra Polygon Type and Climate Variability on CO_2 and CH_4 Fluxes Near Utqiagvik, Alaska. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2021JG006262.	1.3	1
16	Microbial carbon limitation: The need for integrating microorganisms into our understanding of ecosystem carbon cycling. <i>Global Change Biology</i> , 2020, 26, 1953-1961.	4.2	239
17	Using respiration quotients to track changing sources of soil respiration seasonally and with experimental warming. <i>Biogeosciences</i> , 2020, 17, 3045-3055.	1.3	7
18	The FLUXNET2015 dataset and the ONEFlux processing pipeline for eddy covariance data. <i>Scientific Data</i> , 2020, 7, 225.	2.4	646

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19	Dynamics of CO ₂ and H ₂ O fluxes in Johnson grass in the U.S. Southern Great Plains. <i>Science of the Total Environment</i> , 2020, 739, 140077.	3.9	10
20	Persistence of soil organic carbon caused by functional complexity. <i>Nature Geoscience</i> , 2020, 13, 529-534.	5.4	363
21	CMIP5 Models Predict Rapid and Deep Soil Warming Over the 21st Century. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005266.	1.3	56
22	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.	3.7	48
23	Influence of Warming on Plant- and Microorganism-Derived Soil Organic Matter in a Coniferous Temperate Forest. , 2019, , .		0
24	Soil Organic Matter Temperature Sensitivity Cannot be Directly Inferred From Spatial Gradients. <i>Global Biogeochemical Cycles</i> , 2019, 33, 761-776.	1.9	16
25	¹⁴ C evidence that millennial and fast-cycling soil carbon are equally sensitive to warming. <i>Nature Climate Change</i> , 2019, 9, 467-471.	8.1	31
26	Modeling Climate Change Impacts on an Arctic Polygonal Tundra: 2. Changes in CO ₂ and CH ₄ Exchange Depend on Rates of Permafrost Thaw as Affected by Changes in Vegetation and Drainage. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 1323-1341.	1.3	15
27	Widespread inhibition of daytime ecosystem respiration. <i>Nature Ecology and Evolution</i> , 2019, 3, 407-415.	3.4	98
28	Mechanistic Modeling of Microtopographic Impacts on CO ₂ and CH ₄ Fluxes in an Alaskan Tundra Ecosystem Using the CLM-Microbe Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 4288-4304.	1.3	22
29	Evaluating temporal controls on greenhouse gas (GHG) fluxes in an Arctic tundra environment: An entropy-based approach. <i>Science of the Total Environment</i> , 2019, 649, 284-299.	3.9	23
30	Landscape topography structures the soil microbiome in arctic polygonal tundra. <i>Nature Communications</i> , 2018, 9, 777.	5.8	105
31	Response to Comment on "The whole-soil carbon flux in response to warming". <i>Science</i> , 2018, 359, .	6.0	10
32	The Millennial model: in search of measurable pools and transformations for modeling soil carbon in the new century. <i>Biogeochemistry</i> , 2018, 137, 51-71.	1.7	139
33	The effects of heating, rhizosphere, and depth on root litter decomposition are mediated by soil moisture. <i>Biogeochemistry</i> , 2018, 137, 267-279.	1.7	21
34	The AmeriFlux network: A coalition of the willing. <i>Agricultural and Forest Meteorology</i> , 2018, 249, 444-456.	1.9	140
35	Observationally derived rise in methane surface forcing mediated by water vapour trends. <i>Nature Geoscience</i> , 2018, 11, 238-243.	5.4	37
36	Synthetic iron (hydr)oxide-glucose associations in subsurface soil: Effects on decomposability of mineral associated carbon. <i>Science of the Total Environment</i> , 2018, 613-614, 342-351.	3.9	39

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37	The changing faces of soil organic matter research. <i>European Journal of Soil Science</i> , 2018, 69, 23-30.	1.8	35
38	Root litter decomposition slows with soil depth. <i>Soil Biology and Biochemistry</i> , 2018, 125, 103-114.	4.2	110
39	Radiocarbon measurements of ecosystem respiration and soil pore-space CO ₂ in UtqiaĀvik (Barrow), Alaska. <i>Earth System Science Data</i> , 2018, 10, 1943-1957.	3.7	9
40	The whole-soil carbon flux in response to warming. <i>Science</i> , 2017, 355, 1420-1423.	6.0	363
41	Mineral properties, microbes, transport, and plant-input profiles control vertical distribution and age of soil carbon stocks. <i>Soil Biology and Biochemistry</i> , 2017, 107, 244-259.	4.2	64
42	Association with pedogenic iron and aluminum: effects on soil organic carbon storage and stability in four temperate forest soils. <i>Biogeochemistry</i> , 2017, 133, 333-345.	1.7	57
43	The influence of land cover on surface energy partitioning and evaporative fraction regimes in the U.S. Southern Great Plains. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 5793-5807.	1.2	48
44	Long term decomposition: the influence of litter type and soil horizon on retention of plant carbon and nitrogen in soils. <i>Biogeochemistry</i> , 2017, 134, 5-16.	1.7	44
45	Large CO ₂ and CH ₄ emissions from polygonal tundra during spring thaw in northern Alaska. <i>Geophysical Research Letters</i> , 2017, 44, 504-513.	1.5	53
46	Erosional redistribution of topsoil controls soil nitrogen dynamics. <i>Biogeochemistry</i> , 2017, 132, 37-54.	1.7	37
47	Warming and provenance limit tree recruitment across and beyond the elevation range of subalpine forest. <i>Global Change Biology</i> , 2017, 23, 2383-2395.	4.2	126
48	Microbial community-level regulation explains soil carbon responses to long-term litter manipulations. <i>Nature Communications</i> , 2017, 8, 1223.	5.8	99
49	Evapotranspiration across plant types and geomorphological units in polygonal Arctic tundra. <i>Journal of Hydrology</i> , 2017, 553, 816-825.	2.3	15
50	Does vapor pressure deficit drive the seasonality of $\delta^{13}C$ of the net land-atmosphere CO ₂ exchange across the United States?. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 1969-1987.	1.3	3
51	Using ARM Observations to Evaluate Climate Model Simulations of Land-Atmosphere Coupling on the U.S. Southern Great Plains. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 11,524.	1.2	24
52	Mathematical Modelling of Arctic Polygonal Tundra with <i>Ecosys</i> : 1. Microtopography Determines How Active Layer Depths Respond to Changes in Temperature and Precipitation. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 3161-3173.	1.3	38
53	Mathematical Modelling of Arctic Polygonal Tundra with <i>Ecosys</i> : 2. Microtopography Determines How CO ₂ and CH ₄ Exchange Responds to Changes in Temperature and Precipitation. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 3174-3187.	1.3	41
54	Representing winter wheat in the Community Land Model (version 4.5). <i>Geoscientific Model Development</i> , 2017, 10, 1873-1888.	1.3	24

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55	A multi-scale comparison of modeled and observed seasonal methane emissions in northern wetlands. <i>Biogeosciences</i> , 2016, 13, 5043-5056.	1.3	24
56	Land-atmosphere coupling and climate prediction over the U.S. Southern Great Plains. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 12,125.	1.2	46
57	Radiocarbon constraints imply reduced carbon uptake by soils during the 21st century. <i>Science</i> , 2016, 353, 1419-1424.	6.0	149
58	Separating the effects of phenology and diffuse radiation on gross primary productivity in winter wheat. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 1903-1915.	1.3	28
59	Isotopic insights into methane production, oxidation, and emissions in Arctic polygon tundra. <i>Global Change Biology</i> , 2016, 22, 3487-3502.	4.2	45
60	Carbon and energy fluxes in cropland ecosystems: a model-data comparison. <i>Biogeochemistry</i> , 2016, 129, 53-76.	1.7	24
61	Toward more realistic projections of soil carbon dynamics by Earth system models. <i>Global Biogeochemical Cycles</i> , 2016, 30, 40-56.	1.9	343
62	U.S. emissions of HFC-134a derived for 2008-2012 from an extensive flask-air sampling network. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 801-825.	1.2	30
63	Pathways and transformations of dissolved methane and dissolved inorganic carbon in Arctic tundra watersheds: Evidence from analysis of stable isotopes. <i>Global Biogeochemical Cycles</i> , 2015, 29, 1893-1910.	1.9	30
64	Vegetation controls on surface heat flux partitioning, and land-atmosphere coupling. <i>Geophysical Research Letters</i> , 2015, 42, 9416-9424.	1.5	103
65	Toward improved model structures for analyzing priming: potential pitfalls of using bulk turnover time. <i>Global Change Biology</i> , 2015, 21, 4298-4302.	4.2	23
66	A call for international soil experiment networks for studying, predicting, and managing global change impacts. <i>Soil</i> , 2015, 1, 575-582.	2.2	12
67	Identifying multiscale zonation and assessing the relative importance of polygon geomorphology on carbon fluxes in an Arctic tundra ecosystem. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 788-808.	1.3	74
68	Biotic and climatic controls on interannual variability in carbon fluxes across terrestrial ecosystems. <i>Agricultural and Forest Meteorology</i> , 2015, 205, 11-22.	1.9	47
69	Incorporating Land-Use Requirements and Environmental Constraints in Low-Carbon Electricity Planning for California. <i>Environmental Science & Technology</i> , 2015, 49, 2013-2021.	4.6	22
70	Greenness indices from digital cameras predict the timing and seasonal dynamics of canopy-scale photosynthesis. <i>Ecological Applications</i> , 2015, 25, 99-115.	1.8	129
71	Observational determination of surface radiative forcing by CO ₂ from 2000 to 2010. <i>Nature</i> , 2015, 519, 339-343.	13.7	174
72	Litter type control on soil C and N stabilization dynamics in a temperate forest. <i>Global Change Biology</i> , 2015, 21, 1358-1367.	4.2	59

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73	Comparison of four EVI-based models for estimating gross primary production of maize and soybean croplands and tallgrass prairie under severe drought. <i>Remote Sensing of Environment</i> , 2015, 162, 154-168.	4.6	93
74	Vulnerability of crops and native grasses to summer drying in the U.S. Southern Great Plains. <i>Agriculture, Ecosystems and Environment</i> , 2015, 213, 209-218.	2.5	51
75	Long residence times of rapidly decomposable soil organic matter: application of a multi-phase, multi-component, and vertically resolved model (BAMS1) to soil carbon dynamics. <i>Geoscientific Model Development</i> , 2014, 7, 1335-1355.	1.3	97
76	Carbon losses from pyrolysed and original wood in a forest soil under natural and increased N deposition. <i>Biogeosciences</i> , 2014, 11, 5199-5213.	1.3	38
77	Sources and sinks of carbonyl sulfide in an agricultural field in the Southern Great Plains. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 9064-9069.	3.3	88
78	Dynamic Balancing of Isoprene Carbon Sources Reflects Photosynthetic and Photorespiratory Responses to Temperature Stress. <i>Plant Physiology</i> , 2014, 166, 2051-2064.	2.3	41
79	Radiometric validation of satellite vegetation indices using flux tower measurements. , 2014, , .		0
80	Impacts of climate extremes on gross primary production under global warming. <i>Environmental Research Letters</i> , 2014, 9, 094011.	2.2	49
81	Transformation and stabilization of pyrogenic organic matter in a temperate forest field experiment. <i>Global Change Biology</i> , 2014, 20, 1629-1642.	4.2	82
82	Impacts of organic matter amendments on carbon and nitrogen dynamics in grassland soils. <i>Soil Biology and Biochemistry</i> , 2014, 68, 52-61.	4.2	161
83	Sensitivity of vegetation indices and gross primary production of tallgrass prairie to severe drought. <i>Remote Sensing of Environment</i> , 2014, 152, 1-14.	4.6	103
84	Growing season eddy covariance measurements of carbonyl sulfide and CO ₂ fluxes: COS and CO ₂ relationships in Southern Great Plains winter wheat. <i>Agricultural and Forest Meteorology</i> , 2014, 184, 48-55.	1.9	43
85	Biases in regional carbon budgets from covariation of surface fluxes and weather in transport model inversions. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 1571-1585.	1.9	4
86	On the additivity of radiative forcing between land use change and greenhouse gases. <i>Geophysical Research Letters</i> , 2013, 40, 4036-4041.	1.5	41
87	Ecological limits to terrestrial biological carbon dioxide removal. <i>Climatic Change</i> , 2013, 118, 89-103.	1.7	98
88	Greenhouse Gas Policy Influences Climate via Direct Effects of Land-Use Change. <i>Journal of Climate</i> , 2013, 26, 3657-3670.	1.2	59
89	Miscanthus biomass productivity within US croplands and its potential impact on soil organic carbon. <i>GCB Bioenergy</i> , 2013, 5, 391-399.	2.5	51
90	Conifer seedling recruitment across a gradient from forest to alpine tundra: effects of species, provenance, and site. <i>Plant Ecology and Diversity</i> , 2013, 6, 307-318.	1.0	36

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91	Comparison of soil organic matter dynamics at five temperate deciduous forests with physical fractionation and radiocarbon measurements. <i>Biogeochemistry</i> , 2013, 112, 457-476.	1.7	63
92	A multi-year record of airborne CO ₂ observations in the US Southern Great Plains. <i>Atmospheric Measurement Techniques</i> , 2013, 6, 751-763.	1.2	44
93	Heterogeneous global crop yield response to biochar: a meta-regression analysis. <i>Environmental Research Letters</i> , 2013, 8, 044049.	2.2	214
94	Effects of Soil Moisture on the Responses of Soil Temperatures to Climate Change in Cold Regions*. <i>Journal of Climate</i> , 2013, 26, 3139-3158.	1.2	68
95	Global CO ₂ fluxes estimated from GOSAT retrievals of total column CO ₂ . <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 8695-8717.	1.9	251
96	A dual isotope approach to isolate soil carbon pools of different turnover times. <i>Biogeosciences</i> , 2013, 10, 8067-8081.	1.3	52
97	The effect of vertically resolved soil biogeochemistry and alternate soil C and N models on C dynamics of CLM4. <i>Biogeosciences</i> , 2013, 10, 7109-7131.	1.3	359
98	The Technology Path to Deep Greenhouse Gas Emissions Cuts by 2050: The Pivotal Role of Electricity. <i>Science</i> , 2012, 335, 53-59.	6.0	630
99	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.	3.3	118
100	Annual grassland resource pools and fluxes: sensitivity to precipitation and dry periods on two contrasting soils. <i>Ecosphere</i> , 2012, 3, art70-art70.	1.0	5
101	Improving regional soil carbon inventories: Combining the IPCC carbon inventory method with regression kriging. <i>Geoderma</i> , 2012, 189-190, 288-295.	2.3	53
102	Persistence of soil organic matter in eroding versus depositional landform positions. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	138
103	A model-data comparison of gross primary productivity: Results from the North American Carbon Program site synthesis. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	274
104	Carbon, water, and heat flux responses to experimental burning and drought in a tallgrass prairie. <i>Agricultural and Forest Meteorology</i> , 2012, 166-167, 169-174.	1.9	36
105	Fire-derived organic carbon in soil turns over on a centennial scale. <i>Biogeosciences</i> , 2012, 9, 2847-2857.	1.3	190
106	The response of heterotrophic activity and carbon cycling to nitrogen additions and warming in two tropical soils. <i>Global Change Biology</i> , 2012, 18, 400-400.	4.2	3
107	Biological degradation of pyrogenic organic matter in temperate forest soils. <i>Soil Biology and Biochemistry</i> , 2012, 51, 115-124.	4.2	154
108	The 2020 emissions reduction impact of urban water conservation in California. <i>Journal of Water and Climate Change</i> , 2012, 3, 151-162.	1.2	6

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109	Changes in microbial community characteristics and soil organic matter with nitrogen additions in two tropical forests. <i>Ecology</i> , 2011, 92, 621-632.	1.5	371
110	Constructing a database of terrestrial radiocarbon measurements. <i>Eos</i> , 2011, 92, 376-376.	0.1	1
111	Grand Challenges for Life-Cycle Assessment of Biofuels. <i>Environmental Science & Technology</i> , 2011, 45, 1751-1756.	4.6	148
112	Assessing net ecosystem carbon exchange of U.S. terrestrial ecosystems by integrating eddy covariance flux measurements and satellite observations. <i>Agricultural and Forest Meteorology</i> , 2011, 151, 60-69.	1.9	157
113	Ecosystem Feedbacks to Climate Change in California: Development, Testing, and Analysis Using a Coupled Regional Atmosphere and Land Surface Model (WRF3âCLM3.5). <i>Earth Interactions</i> , 2011, 15, 1-38.	0.7	46
114	Relative contribution of foliar and fine root pine litter to the molecular composition of soil organic matter after in situ degradation. <i>Organic Geochemistry</i> , 2011, 42, 1099-1099.	0.9	91
115	Persistence of soil organic matter as an ecosystem property. <i>Nature</i> , 2011, 478, 49-56.	13.7	4,243
116	Precipitation and Soil Impacts on Partitioning of Subsurface Moisture in <i>Avena barbata</i> . <i>Vadose Zone Journal</i> , 2011, 10, 437-449.	1.3	1
117	Using boundary layer equilibrium to reduce uncertainties in transport models and CO<sub>2</sub<sub>2</sub</sub> flux inversions. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 9631-9641.	1.9	23
118	Coordinated approaches to quantify longâterm ecosystem dynamics in response to global change. <i>Global Change Biology</i> , 2011, 17, 843-854.	4.2	165
119	Linking leaf transcript levels to whole plant analyses provides mechanistic insights to the impact of warming and altered water availability in an annual grass. <i>Global Change Biology</i> , 2011, 17, 1577-1594.	4.2	16
120	Effect of grassland vegetation type on the responses of hydrological processes to seasonal precipitation patterns. <i>Journal of Hydrology</i> , 2011, 410, 51-61.	2.3	29
121	Effects of nitrogen additions on above- and belowground carbon dynamics in two tropical forests. <i>Biogeochemistry</i> , 2011, 104, 203-225.	1.7	145
122	Barriers to predicting changes in global terrestrial methane fluxes: analyses using CLM4Me, a methane biogeochemistry model integrated in CESM. <i>Biogeosciences</i> , 2011, 8, 1925-1953.	1.3	325
123	A continuous measure of gross primary production for the conterminous United States derived from MODIS and AmeriFlux data. <i>Remote Sensing of Environment</i> , 2010, 114, 576-591.	4.6	210
124	The response of heterotrophic activity and carbon cycling to nitrogen additions and warming in two tropical soils. <i>Global Change Biology</i> , 2010, 16, 2555-2572.	4.2	130
125	Accounting for the water impacts of ethanol production. <i>Environmental Research Letters</i> , 2010, 5, 014020.	2.2	78
126	ForCent model development and testing using the Enriched Background Isotope Study experiment. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	56

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127	Measuring and modeling the spectrum of fine-root turnover times in three forests using isotopes, minirhizotrons, and the Radix model. <i>Global Biogeochemical Cycles</i> , 2010, 24, .	1.9	78
128	Greenhouse Gas Emissions from Biofuels™ Indirect Land Use Change Are Uncertain but May Be Much Greater than Previously Estimated. <i>Environmental Science & Technology</i> , 2010, 44, 8015-8021.	4.6	353
129	Use of stored carbon reserves in growth of temperate tree roots and leaf buds: analyses using radiocarbon measurements and modeling. <i>Global Change Biology</i> , 2009, 15, 992-1014.	4.2	89
130	Soil drying and nitrogen availability modulate carbon and water exchange over a range of annual precipitation totals and grassland vegetation types. <i>Global Change Biology</i> , 2009, 15, 3018-3030.	4.2	50
131	Plant responsiveness to variation in precipitation and nitrogen is consistent across the compositional diversity of a California annual grassland. <i>Journal of Vegetation Science</i> , 2009, 20, 860-870.	1.1	30
132	Fine-root mortality rates in a temperate forest: estimates using radiocarbon data and numerical modeling. <i>New Phytologist</i> , 2009, 184, 387-398.	3.5	49
133	Influence of clouds and diffuse radiation on ecosystem-atmosphere CO ₂ and CO ₁₈ O exchanges. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	71
134	Regional CO ₂ and latent heat surface fluxes in the Southern Great Plains: Measurements, modeling, and scaling. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	29
135	Predicting the effect of climate change on wildfire behavior and initial attack success. <i>Climatic Change</i> , 2008, 87, 251-264.	1.7	65
136	Climatically driven loss of calcium in steppe soil as a sink for atmospheric carbon. <i>Global Biogeochemical Cycles</i> , 2008, 22, .	1.9	22
137	Estimation of net ecosystem carbon exchange for the conterminous United States by combining MODIS and AmeriFlux data. <i>Agricultural and Forest Meteorology</i> , 2008, 148, 1827-1847.	1.9	221
138	13C and 15N stabilization dynamics in soil organic matter fractions during needle and fine root decomposition. <i>Organic Geochemistry</i> , 2008, 39, 465-477.	0.9	144
139	Chemical and mineral control of soil carbon turnover in abandoned tropical pastures. <i>Geoderma</i> , 2008, 143, 49-62.	2.3	105
140	Linking soil organic matter dynamics and erosion-induced terrestrial carbon sequestration at different landform positions. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	126
141	Soil Erosion: Data Say C Sink. <i>Science</i> , 2008, 320, 178-179.	6.0	58
142	Centennial black carbon turnover observed in a Russian steppe soil. <i>Biogeosciences</i> , 2008, 5, 1339-1350.	1.3	154
143	Spatiotemporal Variations in Growing Season Exchanges of CO ₂ , H ₂ O, and Sensible Heat in Agricultural Fields of the Southern Great Plains. <i>Earth Interactions</i> , 2007, 11, 1-21.	0.7	135
144	The Significance of the Erosion-induced Terrestrial Carbon Sink. <i>BioScience</i> , 2007, 57, 337-346.	2.2	348

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145	Missing feedbacks, asymmetric uncertainties, and the underestimation of future warming. <i>Geophysical Research Letters</i> , 2006, 33, n/a-n/a.	1.5	64
146	Fine-root turnover patterns and their relationship to root diameter and soil depth in a ¹⁴ C-labeled hardwood forest. <i>New Phytologist</i> , 2006, 172, 523-535.	3.5	181
147	Stabilization of Soil Organic Matter: Association with Minerals or Chemical Recalcitrance?. <i>Biogeochemistry</i> , 2006, 77, 25-56.	1.7	681
148	Fine Roots vs. Needles: A Comparison of ¹³ C and ¹⁵ N Dynamics in a Ponderosa Pine Forest Soil. <i>Biogeochemistry</i> , 2006, 79, 361-382.	1.7	140
149	An ecosystem-scale radiocarbon tracer to test use of litter carbon by ectomycorrhizal fungi. <i>Soil Biology and Biochemistry</i> , 2006, 38, 1077-1082.	4.2	59
150	Poorly crystalline mineral phases protect organic matter in acid subsoil horizons. <i>European Journal of Soil Science</i> , 2005, 56, 050912034650054.	1.8	198
151	The Influence of Nutrient Availability on Soil Organic Matter Turnover Estimated by Incubations and Radiocarbon Modeling. <i>Ecosystems</i> , 2005, 8, 352-372.	1.6	87
152	Mineral Assemblage and Aggregates Control Carbon Dynamics in a California Conifer Forest. <i>Soil Science Society of America Journal</i> , 2005, 69, 1711-1721.	1.2	160
153	Initial characterization of processes of soil carbon stabilization using forest stand-level radiocarbon enrichment. <i>Geoderma</i> , 2005, 128, 52-62.	2.3	167
154	Impact of agricultural practice on regional climate in a coupled land surface mesoscale model. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	41
155	The Impact of Climate Change on Wildfire Severity: A Regional Forecast for Northern California. <i>Climatic Change</i> , 2004, 64, 169-191.	1.7	194
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