Sabine Reinsch

List of Publications by Year
in descending order

29 papers	4,152 citations	430874 18 h-index	454955 30 g-index
37 all docs	37 docs citations	37 times ranked	9667 citing authors

#	Article	IF	Citations
1	TRY â€“ a global database of plant traits. Global Change Biology, 2011, 17, 2905-2935.	9.5	2,002
2	Quantifying global soil carbon losses in response to warming. Nature, 2016, 540, 104-108.	27.8	879
3	Temperature response of soil respiration largely unaltered with experimental warming. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13797-13802.	7.1	308
4	Few multiyear precipitationâ€“reduction experiments find aÂshift in the productivityâ€“precipitation relationship. Global Change Biology, 2016, 22, 2570-2581.	9.5	105
5	Evidence for large microbial-mediated losses of soil carbon under anthropogenic warming. Nature Reviews Earth & Environment, 2021, 2, 507-517.	29.7	85
6	Development and analysis of the Soil Water Infiltration Global database. Earth System Science Data, 2018, 10, 1237-1263.	9.9	85
7	Contrasting impacts of manure and inorganic fertilizer applications for nine years on soil organic carbon and its labile fractions in bulk soil and soil aggregates. Catena, 2020, 194, 104739.	5.0	80
8	The handbook for standardized field and laboratory measurements in terrestrial climate change experiments and observational studies (ClimEx). Methods in Ecology and Evolution, 2020, 11, 22-37.	5.2	68
9	Large shrubs increase soil nutrients in a semi-arid savanna. Geoderma, 2018, 310, 153-162.	5.1	65
10	Global environmental changes impact soil hydraulic functions through biophysical feedbacks. Global Change Biology, 2019, 25, 1895-1904.	9.5	60
11	Leaf dry matter content is better at predicting aboveâ€ground net primary production than specific leaf area. Functional Ecology, 2017, 31, 1336-1344.	3.6	57
12	Experimental evidence for drought induced alternative stable states of soil moisture. Scientific Reports, 2016, 6, 20018.	3.3	49
13	Enhanced priming of old, not new soil carbon at elevated atmospheric CO2. Soil Biology and Biochemistry, 2016, 100, 140-148.	8.8	39
14	Field experiments underestimate aboveground biomass response to drought. Nature Ecology and Evolution, 2022, 6, 540-545.	7.8	30
15	Soil health cluster analysis based on national monitoring of soil indicators. European Journal of Soil Science, 2021, 72, 2414-2429.	3.9	26
16	Impact of future climatic conditions on the potential for soil organic matter priming. Soil Biology and Biochemistry, 2013, 65, 133-140.	8.8	24
17	Reviews and syntheses: Soil responses to manipulated precipitation changes â€“ an assessment of meta-analyses. Biogeosciences, 2020, 17, 3859-3873.	3.3	24
18	Shrubland primary production and soil respiration diverge along European climate gradient. Scientific Reports, 2017, 7, 43952.	3.3	23

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19	A decade of freeâ€air <scp>CO</scp>₂ enrichment increased the carbon throughput in a grassâ€clover ecosystem but did not drastically change carbon allocation patterns. Functional Ecology, 2014, 28, 538-545.	3.6	18
20	Short-term utilization of carbon by the soil microbial community under future climatic conditions in a temperate heathland. Soil Biology and Biochemistry, 2014, 68, 9-19.	8.8	18
21	Accumulation of soil carbon under elevated CO₂ unaffected by warming and drought. Global Change Biology, 2019, 25, 2970-2977.	9.5	17
22	Decrease in heathland soil labile organic carbon under future atmospheric and climatic conditions. Biogeochemistry, 2017, 133, 17-36.	3.5	16
23	Resistance of soil protein depolymerization rates to eight years of elevated CO2, warming, and summer drought in a temperate heathland. Biogeochemistry, 2018, 140, 255-267.	3.5	13
24	Zones of influence for soil organic matter dynamics: A conceptual framework for data and models. Global Change Biology, 2019, 25, 3996-4007.	9.5	13
25	Long-Term Drought and Warming Alter Soil Bacterial and Fungal Communities in an Upland Heathland. Ecosystems, 2022, 25, 1279-1294.	3.4	13
26	Activity of Type I Methanotrophs Dominates under High Methane Concentration: Methanotrophic Activity in Slurry Surface Crusts as Influenced by Methane, Oxygen, and Inorganic Nitrogen. Journal of Environmental Quality, 2017, 46, 767-775.	2.0	10
27	<i>In situ</i>¹³CO₂ pulseâ€labeling in a temperate heathland â€“ development of a mobile multiâ€plot field setup. Rapid Communications in Mass Spectrometry, 2013, 27, 1417-1428.	1.5	8
28	Inter-annual Variability of Soil Respiration in Wet Shrublands: Do Plants Modulate Its Sensitivity to Climate?. Ecosystems, 2017, 20, 796-812.	3.4	7
29	Isotopic methods for nonâ€destructive assessment of carbon dynamics in shrublands under longâ€term climate change manipulation. Methods in Ecology and Evolution, 2018, 9, 866-880.	5.2	6