Paul E Brewer

List of Publications by Year
in descending order

13	552	933447 10	1125743 13
papers	citations	h-index	g-index

13	13	13	1121
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Methane emissions from tree stems: a new frontier in the global carbon cycle. New Phytologist, 2019, 222, 18-28.	7.3	104
2	Nitrogen cycling and water pulses in semiarid grasslands: are microbial and plant processes temporally asynchronous?. Oecologia, 2012, 170, 799-808.	2.0	90
3	SPECT-CT system for small animal imaging. IEEE Transactions on Nuclear Science, 2003, 50, 74-79.	2.0	79
4	Soil aggregates as biogeochemical reactors and implications for soilâ€“atmosphere exchange of greenhouse gasesâ€”A concept. Global Change Biology, 2019, 25, 373-385.	9.5	76
5	Prescribed fire, soil inorganic nitrogen dynamics, and plant responses in a semiarid grassland. Journal of Arid Environments, 2014, 104, 59-66.	2.4	44
6	Impacts of moisture, soil respiration, and agricultural practices on methanogenesis in upland soils as measured with stable isotope pool dilution. Soil Biology and Biochemistry, 2018, 127, 239-251.	8.8	30
7	Radon as a natural tracer of gas transport through trees. New Phytologist, 2020, 225, 1470-1475.	7.3	29
8	Vehicle-Based Methane Surveys for Finding Natural Gas Leaks and Estimating Their Size: Validation and Uncertainty. Environmental Science & Technology, 2018, 52, 11922-11930.	10.0	28
9	Co-variation in methanotroph community composition and activity in three temperate grassland soils. Soil Biology and Biochemistry, 2016, 95, 78-86.	8.8	22
10	Redox and temperature-sensitive changes in microbial communities and soil chemistry dictate greenhouse gas loss from thawed permafrost. Biogeochemistry, 2017, 134, 183-200.	3.5	22
11	A versatile gas flux chamber reveals high tree stem CH4 emissions in Amazonian peatland. Agricultural and Forest Meteorology, 2021, 307, 108504.	4.8	11
12	Building bottomâ€up aggregateâ€based models (ABMs) in soil systems with a view of aggregates as biogeochemical reactors. Global Change Biology, 2019, 25, e6-e8.	9.5	10
13	Incorporation of a fluoroscopic X-ray modality in a small animal imaging system. IEEE Transactions on Nuclear Science, 2003, 50, 333-338.	2.0	7