Zachary S Brecheisen

List of Publications by Year
in descending order

12	183	1163117 8	1199594 12
papers	citations	h-index	g-index

12	12	12	342
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Self-Powered, Real-Time, LoRaWAN IoT-Based Soil Health Monitoring System. IEEE Internet of Things Journal, 2021, 8, 9278-9293.	8.7	36
2	Loss of deep roots limits biogenic agents of soil development that are only partially restored by decades of forest regeneration. Elementa, 2018, 6, .	3.2	34
3	Ideas and perspectives: Strengthening the biogeosciences in environmental research networks. Biogeosciences, 2018, 15, 4815-4832.	3.3	24
4	Soil production and the soil geomorphology legacy of GroveÂKarlÂGilbert. Soil Science Society of America Journal, 2020, 84, 1-20.	2.2	18
5	Soil in the Anthropocene. IOP Conference Series: Earth and Environmental Science, 2015, 25, 012010.	0.3	17
6	Micro-topographic roughness analysis (MTRA) highlights minimally eroded terrain in a landscape severely impacted by historic agriculture. Remote Sensing of Environment, 2019, 222, 78-89.	11.0	15
7	Gully-erosion estimation and terrain reconstruction using analyses of microtopographic roughness and LiDAR. Catena, 2021, 202, 105264.	5.0	11
8	Persistent anthropogenic legacies structure depth dependence of regenerating rooting systems and their functions. Biogeochemistry, 2020, 147, 259-275.	3.5	10
9	Carbon and Oxygen Isotope Composition in Soil Carbon Dioxide and Free Oxygen within Deep Ultisols at the Calhoun CZO, South Carolina, USA. Radiocarbon, 2018, 60, 1357-1366.	1.8	7
10	Development and deployment of a field-portable soil O2 and CO2 gas analyzer and sampler. PLoS ONE, 2019, 14, e0220176.	2.5	6
11	Ordering Interfluves: A Simple Proposal for Understanding Critical Zone Evolution. Procedia Earth and Planetary Science, 2014, 10, 77-81.	0.6	3
12	Quantitative analysis of hillshed geomorphology and critical zone function: Raising the hillshed to watershed status. Bulletin of the Geological Society of America, 2022, 134, 2007-2021.	3.3	2