Deborah A Bossio

List of Publications by Year
in descending order

21 papers	4,948 citations	471061 17 h-index	752256 20 g-index
21 all docs	21 docs citations	21 times ranked	7500 citing authors

#	Article	IF	Citations
1	Global carbon sequestration potential of agroforestry and increased tree cover on agricultural land. Circular Agricultural Systems, 2022, 2, 1-10.	0.5	9
2	The role of soil carbon sequestration in enhancing human resilience in tackling global crises including pandemics. Soil Security, 2022, 8, 100069.	1.2	6
3	Perceptions of naturalness predict US public support for Soil Carbon Storage as a climate solution. Climatic Change, 2021, 166, 1.	1.7	15
4	Dynamic Stability of Soil Carbon: Reassessing the â€œPermanenceâ€•of Soil Carbon Sequestration. Frontiers in Environmental Science, 2020, 8, .	1.5	80
5	Towards a global-scale soil climate mitigation strategy. Nature Communications, 2020, 11, 5427.	5.8	302
6	The concept and future prospects of soil health. Nature Reviews Earth & Environment, 2020, 1, 544-553.	12.2	486
7	The role of soil carbon in natural climate solutions. Nature Sustainability, 2020, 3, 391-398.	11.5	571
8	We need both natural and energy solutions to stabilize our climate. Global Change Biology, 2019, 25, 1889-1890.	4.2	44
9	A global agenda for collective action on soil carbon. Nature Sustainability, 2019, 2, 2-4.	11.5	62
10	Global Sequestration Potential of Increased Organic Carbon in Cropland Soils. Scientific Reports, 2017, 7, 15554.	1.6	268
11	Response to the discussion letter of Lassaletta and Aguilera â€œsoil carbon sequestration is a climate stabilization wedge: Comments on Sommer and Bossio (2014)â€• Journal of Environmental Management, 2015, 153, 132-133.	3.8	0
12	Dynamics and climate change mitigation potential of soil organic carbon sequestration. Journal of Environmental Management, 2014, 144, 83-87.	3.8	122
13	Managing water by managing land: Addressing land degradation to improve water productivity and rural livelihoods. Agricultural Water Management, 2010, 97, 536-542.	2.4	136
14	Smart Investments in Sustainable Food Production: Revisiting Mixed Crop-Livestock Systems. Science, 2010, 327, 822-825.	6.0	633
15	Climate change mitigation: A spatial analysis of global land suitability for clean development mechanism afforestation and reforestation. Agriculture, Ecosystems and Environment, 2008, 126, 67-80.	2.5	845
16	Climate change mitigation through afforestation/reforestation: A global analysis of hydrologic impacts with four case studies. Agriculture, Ecosystems and Environment, 2008, 126, 81-97.	2.5	172
17	Resource-Conserving Agriculture Increases Yields in Developing Countries. Environmental Science & Technology, 2006, 40, 1114-1119.	4.6	436
18	Alteration of soil microbial communities and water quality in restored wetlands. Soil Biology and Biochemistry, 2006, 38, 1223-1233.	4.2	152

#	Article	IF	Citations
19	Soil Microbial Community Response to Land Use Change in an Agricultural Landscape of Western Kenya. Microbial Ecology, 2005, 49, 50-62.	1.4	206
20	Methane pool and flux dynamics in a rice field following straw incorporation. Soil Biology and Biochemistry, 1999, 31, 1313-1322.	4.2	118
21	Impact of carbon and flooding on the metabolic diversity of microbial communities in soils. Applied and Environmental Microbiology, 1995, 61, 4043-4050.	1.4	285