

# Deborah A Bossio

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3495112/publications.pdf>

Version: 2024-02-01

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	Climate change mitigation: A spatial analysis of global land suitability for clean development mechanism afforestation and reforestation. <i>Agriculture, Ecosystems and Environment</i> , 2008, 126, 67-80.	2.5	845
2	Smart Investments in Sustainable Food Production: Revisiting Mixed Crop-Livestock Systems. <i>Science</i> , 2010, 327, 822-825.	6.0	633
3	The role of soil carbon in natural climate solutions. <i>Nature Sustainability</i> , 2020, 3, 391-398.	11.5	571
4	The concept and future prospects of soil health. <i>Nature Reviews Earth &amp; Environment</i> , 2020, 1, 544-553.	12.2	486
5	Resource-Conserving Agriculture Increases Yields in Developing Countries. <i>Environmental Science &amp; Technology</i> , 2006, 40, 1114-1119.	4.6	436
6	Towards a global-scale soil climate mitigation strategy. <i>Nature Communications</i> , 2020, 11, 5427.	5.8	302
7	Impact of carbon and flooding on the metabolic diversity of microbial communities in soils. <i>Applied and Environmental Microbiology</i> , 1995, 61, 4043-4050.	1.4	285
8	Global Sequestration Potential of Increased Organic Carbon in Cropland Soils. <i>Scientific Reports</i> , 2017, 7, 15554.	1.6	268
9	Soil Microbial Community Response to Land Use Change in an Agricultural Landscape of Western Kenya. <i>Microbial Ecology</i> , 2005, 49, 50-62.	1.4	206
10	Climate change mitigation through afforestation/reforestation: A global analysis of hydrologic impacts with four case studies. <i>Agriculture, Ecosystems and Environment</i> , 2008, 126, 81-97.	2.5	172
11	Alteration of soil microbial communities and water quality in restored wetlands. <i>Soil Biology and Biochemistry</i> , 2006, 38, 1223-1233.	4.2	152
12	Managing water by managing land: Addressing land degradation to improve water productivity and rural livelihoods. <i>Agricultural Water Management</i> , 2010, 97, 536-542.	2.4	136
13	Dynamics and climate change mitigation potential of soil organic carbon sequestration. <i>Journal of Environmental Management</i> , 2014, 144, 83-87.	3.8	122
14	Methane pool and flux dynamics in a rice field following straw incorporation. <i>Soil Biology and Biochemistry</i> , 1999, 31, 1313-1322.	4.2	118
15	Dynamic Stability of Soil Carbon: Reassessing the "Permanence" of Soil Carbon Sequestration. <i>Frontiers in Environmental Science</i> , 2020, 8, .	1.5	80
16	A global agenda for collective action on soil carbon. <i>Nature Sustainability</i> , 2019, 2, 2-4.	11.5	62
17	We need both natural and energy solutions to stabilize our climate. <i>Global Change Biology</i> , 2019, 25, 1889-1890.	4.2	44
18	Perceptions of naturalness predict US public support for Soil Carbon Storage as a climate solution. <i>Climatic Change</i> , 2021, 166, 1.	1.7	15

#	ARTICLE	IF	CITATIONS
19	Global carbon sequestration potential of agroforestry and increased tree cover on agricultural land. <i>Circular Agricultural Systems</i> , 2022, 2, 1-10.	0.5	9
20	The role of soil carbon sequestration in enhancing human resilience in tackling global crises including pandemics. <i>Soil Security</i> , 2022, 8, 100069.	1.2	6
21	Response to the discussion letter of Lassaletta and Aguilera "soil carbon sequestration is a climate stabilization wedge: Comments on Sommer and Bossio (2014)". <i>Journal of Environmental Management</i> , 2015, 153, 132-133.	3.8	0