

Wakene Negassa

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,334
citations

516710

16
h-index

580821

25
g-index

30
all docs

30
docs citations

30
times ranked

1956
citing authors

#	ARTICLE	IF	CITATIONS
1	How does the Hedley sequential phosphorus fractionation reflect impacts of land use and management on soil phosphorus: A review. <i>Journal of Plant Nutrition and Soil Science</i> , 2009, 172, 305-325.	1.9	317
2	Carbon sequestration in soil. <i>Current Opinion in Environmental Sustainability</i> , 2015, 15, 79-86.	6.3	277
3	Protection of soil carbon within macro-aggregates depends on intra-aggregate pore characteristics. <i>Scientific Reports</i> , 2015, 5, 16261.	3.3	110
4	Properties of Soil Pore Space Regulate Pathways of Plant Residue Decomposition and Community Structure of Associated Bacteria. <i>PLoS ONE</i> , 2015, 10, e0123999.	2.5	98
5	Intra-aggregate Pore Structure Influences Phylogenetic Composition of Bacterial Community in Macroaggregates. <i>Soil Science Society of America Journal</i> , 2014, 78, 1924-1939.	2.2	69
6	Cover crop and tillage systems effect on soil CO ₂ and N ₂ O fluxes in contrasting topographic positions. <i>Soil and Tillage Research</i> , 2015, 154, 64-74.	5.6	53
7	Phosphorus Speciation in Agro-Industrial Byproducts: Sequential Fractionation, Solution ³¹ P NMR, and P ^K - and ^L -Edge XANES Spectroscopy. <i>Environmental Science & Technology</i> , 2010, 44, 2092-2097.	10.0	51
8	Nutrient use efficiency and crop yield response to the combined application of cattle manure and inorganic fertilizer in sub-Saharan Africa. <i>Nutrient Cycling in Agroecosystems</i> , 2019, 113, 181-199.	2.2	47
9	From Understanding to Sustainable Use of Peatlands: The WETSCAPES Approach. <i>Soil Systems</i> , 2020, 4, 14.	2.6	45
10	New Approach to Measure Soil Particulate Organic Matter in Intact Samples Using X-ray Computed Microtomography. <i>Soil Science Society of America Journal</i> , 2014, 78, 1177-1185.	2.2	35
11	Impact of cover crop on soil carbon accrual in topographically diverse terrain. <i>Journal of Soils and Water Conservation</i> , 2017, 72, 272-279.	1.6	34
12	Phosphorus Speciation in Sequentially Extracted Agro-Industrial Byproducts: Evidence from X-ray Absorption Near Edge Structure Spectroscopy. <i>Journal of Environmental Quality</i> , 2010, 39, 2179-2184.	2.0	30
13	Long-Term Rewetting of Three Formerly Drained Peatlands Drives Congruent Compositional Changes in Pro- and Eukaryotic Soil Microbiomes through Environmental Filtering. <i>Microorganisms</i> , 2020, 8, 550.	3.6	25
14	INFLUENCE OF SPECIFIC ORGANIC COMPOUNDS ON PHOSPHORUS SORPTION AND DISTRIBUTION IN A TROPICAL SOIL. <i>Soil Science</i> , 2008, 173, 587-601.	0.9	21
15	Influence of Pore Characteristics on the Fate and Distribution of Newly Added Carbon. <i>Frontiers in Environmental Science</i> , 2018, 6, .	3.3	19
16	Soil organic matter characteristics in drained and rewetted peatlands of northern Germany: Chemical and spectroscopic analyses. <i>Geoderma</i> , 2019, 353, 468-481.	5.1	19
17	Integrated soil fertility management reduces termite damage to crops on degraded soils in western Ethiopia. <i>Agriculture, Ecosystems and Environment</i> , 2018, 251, 124-131.	5.3	17
18	Small-Scale Spatial Variability of Soil Chemical and Biochemical Properties in a Rewetted Degraded Peatland. <i>Frontiers in Environmental Science</i> , 2019, 7, .	3.3	14

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19	Phosphorus Speciation in Long-Term Drained and Rewetted Peatlands of Northern Germany. <i>Soil Systems</i> , 2020, 4, 11.	2.6	13
20	Effect of Integrated Use of Lime, Manure and Mineral P Fertilizer on Bread Wheat (<i>Triticum Aestivum</i>) Yield, P uptake and Status of Residual Soil P on Acidic Soils of Gozamin District, North-Western Ethiopia. <i>Agriculture Forestry and Fisheries</i> , 2014, 3, 76.	0.2	12
21	Soil amendment with agro-industrial byproducts: molecular chemical compositions and effects on soil biochemical activities and phosphorus fractions. <i>Journal of Plant Nutrition and Soil Science</i> , 2011, 174, 113-120.	1.9	8
22	Dissolved organic matter concentration, molecular composition, and functional groups in contrasting management practices of peatlands. <i>Journal of Environmental Quality</i> , 2021, 50, 1364-1380.	2.0	4
23	Spatial Variability of Selected Soil Properties in Long-Term Drained and Restored Peatlands. <i>Frontiers in Environmental Science</i> , 2022, 10, .	3.3	4
24	Evaluation of agro-industrial by-products as nutrient source for plant growth. <i>Archives of Agronomy and Soil Science</i> , 2012, 58, 451-460.	2.6	3
25	Optimum NP Fertilizers Rate For Wheat Production on Alfisols of Arjo and Shambu Highlands, Western Ethiopia. <i>Journal of Environment and Human</i> , 2014, 2014, 87-94.	0.2	1
26	Sulfur speciation in drained and restored minerotrophic peatland types of northeastern Germany. <i>Journal of Environmental Management</i> , 2022, 316, 115282.	7.8	1