

Vegard Martinsen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

44
papers

1,576
citations

19
h-index

39
g-index

45
ext. papers

1,896
ext. citations

5.1
avg, IF

4.87
L-index

#	Paper	IF	Citations
44	Carbon stocks of above- and belowground tree biomass in Kibate Forest around Wonchi Crater Lake, Central Highland of Ethiopia. <i>PLoS ONE</i> , 2021 , 16, e0254231	3.7	2
43	Effect of grazing exclusion and rotational grazing on labile soil organic carbon in north China. <i>European Journal of Soil Science</i> , 2021 , 72, 372-384	3.4	8
42	Soil and water conservation management on hill slopes in Southwest Ethiopia. I. Effects of soil bunds on surface runoff, erosion and loss of nutrients. <i>Science of the Total Environment</i> , 2021 , 757, 142877-2	19.2	9
41	Floristic composition and structure of the Kibate Forest along environmental gradients in Wonchi, Southwestern Ethiopia. <i>Journal of Forestry Research</i> , 2021 , 32, 2669	2	4
40	Soil and water conservation management on hill slopes in southwest Ethiopia. II. Modeling effects of soil bunds on surface runoff and maize yield using AquaCrop. <i>Journal of Environmental Management</i> , 2021 , 296, 113187	7.9	4
39	Effect of conservation farming and biochar addition on soil organic carbon quality, nitrogen mineralization, and crop productivity in a light textured Acrisol in the sub-humid tropics. <i>PLoS ONE</i> , 2020 , 15, e0228717	3.7	19
38	Conservation tillage and biochar improve soil water content and moderate soil temperature in a tropical Acrisol. <i>Soil and Tillage Research</i> , 2020 , 197, 104521	6.5	19
37	Effect of conservation farming and biochar addition on soil organic carbon quality, nitrogen mineralization, and crop productivity in a light textured Acrisol in the sub-humid tropics 2020 , 15, e0228717		
36	Effect of conservation farming and biochar addition on soil organic carbon quality, nitrogen mineralization, and crop productivity in a light textured Acrisol in the sub-humid tropics 2020 , 15, e0228717		
35	Effect of conservation farming and biochar addition on soil organic carbon quality, nitrogen mineralization, and crop productivity in a light textured Acrisol in the sub-humid tropics 2020 , 15, e0228717		
34	Effect of conservation farming and biochar addition on soil organic carbon quality, nitrogen mineralization, and crop productivity in a light textured Acrisol in the sub-humid tropics 2020 , 15, e0228717		
33	Effect of conservation farming and biochar addition on soil organic carbon quality, nitrogen mineralization, and crop productivity in a light textured Acrisol in the sub-humid tropics 2020 , 15, e0228717		
32	Effect of conservation farming and biochar addition on soil organic carbon quality, nitrogen mineralization, and crop productivity in a light textured Acrisol in the sub-humid tropics 2020 , 15, e0228717		
31	Significant build-up of soil organic carbon under climate-smart conservation farming in Sub-Saharan Acrisols. <i>Science of the Total Environment</i> , 2019 , 660, 97-104	10.2	6
30	Biochar Application to Soil for Increased Resilience of Agroecosystems to Climate Change in Eastern and Southern Africa. <i>Climate Change Management</i> , 2019 , 129-144	0.6	2
29	Ecosystem productivity response to environmental forcing, prospect for improved rain-fed cropping productivity in lake Kyoga Basin. <i>Applied Geography</i> , 2019 , 102, 1-11	4.4	6
28	Fading positive effect of biochar on crop yield and soil acidity during five growth seasons in an Indonesian Ultisol. <i>Science of the Total Environment</i> , 2018 , 634, 561-568	10.2	82

27	Biochar improves maize growth by alleviation of nutrient stress in a moderately acidic low-input Nepalese soil. <i>Science of the Total Environment</i> , 2018 , 625, 1380-1389	10.2	101
26	Cation exchange capacity of biochar: An urgent method modification. <i>Science of the Total Environment</i> , 2018 , 642, 190-197	10.2	66
25	Woody species composition and diversity of riparian vegetation along the Walga River, Southwestern Ethiopia. <i>PLoS ONE</i> , 2018 , 13, e0204733	3.7	14
24	Effect of biochar on crust formation, penetration resistance and hydraulic properties of two coarse-textured tropical soils. <i>Soil and Tillage Research</i> , 2017 , 170, 114-121	6.5	26
23	Effects of hand-hoe tilled conservation farming on soil quality and carbon stocks under on-farm conditions in Zambia. <i>Agriculture, Ecosystems and Environment</i> , 2017 , 241, 168-178	5.7	8
22	Vertical and lateral transport of biochar in light-textured tropical soils. <i>Soil and Tillage Research</i> , 2017 , 165, 34-40	6.5	24
21	In situ effects of biochar on aggregation, water retention and porosity in light-textured tropical soils. <i>Soil and Tillage Research</i> , 2016 , 155, 35-44	6.5	236
20	Long-term P weathering and recent N deposition control contemporary plant-soil C, N, and P. <i>Global Biogeochemical Cycles</i> , 2016 , 30, 231-249	5.9	28
19	Synergies and trade-offs between ecosystem services in an alpine ecosystem grazed by sheep [An experimental approach. <i>Basic and Applied Ecology</i> , 2016 , 17, 596-608	3.2	16
18	pH effects of the addition of three biochars to acidic Indonesian mineral soils. <i>Soil Science and Plant Nutrition</i> , 2015 , 61, 821-834	1.6	63
17	Emissions of gases and particles from charcoal/biochar production in rural areas using medium-sized traditional and improved retort kilns. <i>Biomass and Bioenergy</i> , 2015 , 72, 65-73	5.3	50
16	Fourfold Increase in Pumpkin Yield in Response to Low-Dosage Root Zone Application of Urine-Enhanced Biochar to a Fertile Tropical Soil. <i>Agriculture (Switzerland)</i> , 2015 , 5, 723-741	3	95
15	Continuous and discontinuous variation in ecosystem carbon stocks with elevation across a treeline ecotone. <i>Biogeosciences</i> , 2015 , 12, 1615-1627	4.6	13
14	Biochar amendment increases maize root surface areas and branching: a shovelomics study in Zambia. <i>Plant and Soil</i> , 2015 , 395, 45-55	4.2	97
13	Experimental Effects of Herbivore Density on Aboveground Plant Biomass in an Alpine Grassland Ecosystem. <i>Arctic, Antarctic, and Alpine Research</i> , 2014 , 46, 535-541	1.8	17
12	Long-Term Increase in Aboveground Carbon Stocks Following Exclusion of Grazers and Forest Establishment in an Alpine Ecosystem. <i>Ecosystems</i> , 2014 , 17, 1138-1150	3.9	25
11	The role of biochar in retaining nutrients in amended tropical soils. <i>Journal of Plant Nutrition and Soil Science</i> , 2014 , 177, 671-680	2.3	48
10	Farmer-led maize biochar trials: Effect on crop yield and soil nutrients under conservation farming. <i>Journal of Plant Nutrition and Soil Science</i> , 2014 , 177, 681-695	2.3	69

9	Life cycle assessment to evaluate the environmental impact of biochar implementation in conservation agriculture in Zambia. <i>Environmental Science & Technology</i> , 2013 , 47, 1206-15	10.3	63
8	Differences in the Quality of Seepage Water and Runoff Caused by Plant Community and Grazing at an Alpine Site in Hol, Southern Norway. <i>Water, Air, and Soil Pollution</i> , 2013 , 224, 1	2.6	3
7	Short-term effect of the soil amendments activated carbon, biochar, and ferric oxyhydroxide on bacteria and invertebrates. <i>Environmental Science & Technology</i> , 2013 , 47, 8674-83	10.3	76
6	Biochar Effect on Maize Yield and Soil Characteristics in Five Conservation Farming Sites in Zambia. <i>Agronomy</i> , 2013 , 3, 256-274	3.6	167
5	Effects of Sheep Grazing on Availability and Leaching of Soil Nitrogen in Low-Alpine Grasslands. <i>Arctic, Antarctic, and Alpine Research</i> , 2012 , 44, 67-82	1.8	13
4	Carbon storage in low-alpine grassland soils: effects of different grazing intensities of sheep. <i>European Journal of Soil Science</i> , 2011 , 62, 822-833	3.4	41
3	Plant quality, seasonality and sheep grazing in an alpine ecosystem. <i>Basic and Applied Ecology</i> , 2011 , 12, 195-206	3.2	32
2	Effects of herbivory on N-cycling and distribution of added 15NH +4 in N-limited low-alpine grasslands. <i>Plant and Soil</i> , 2011 , 347, 279-292	4.2	6
1	Mountain Soils in a Changing Climate Vulnerability of Carbon Stocks and Ecosystem Feedbacks	118-148	18