

# Vegard Martinsen

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

2,246  
citations

304701

22  
h-index

315719

38  
g-index

45  
all docs

45  
docs citations

45  
times ranked

2991  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	5.6	322
2	Biochar Effect on Maize Yield and Soil Characteristics in Five Conservation Farming Sites in Zambia. <i>Agronomy</i> , 2013, 3, 256-274.	3.0	222
3	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.	8.0	151
4	Biochar amendment increases maize root surface areas and branching: a shovelomics study in Zambia. <i>Plant and Soil</i> , 2015, 395, 45-55.	3.7	136
5	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.	3.1	129
6	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.	8.0	128
7	Cation exchange capacity of biochar: An urgent method modification. <i>Science of the Total Environment</i> , 2018, 642, 190-197.	8.0	126
8	pH effects of the addition of three biochars to acidic Indonesian mineral soils. <i>Soil Science and Plant Nutrition</i> , 2015, 61, 821-834.	1.9	96
9	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.	1.9	89
10	Short-Term Effect of the Soil Amendments Activated Carbon, Biochar, and Ferric Oxyhydroxide on Bacteria and Invertebrates. <i>Environmental Science &amp; Technology</i> , 2013, 47, 8674-8683.	10.0	84
11	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.	5.7	73
12	Life Cycle Assessment to Evaluate the Environmental Impact of Biochar Implementation in Conservation Agriculture in Zambia. <i>Environmental Science &amp; Technology</i> , 2013, 47, 1206-1215.	10.0	71
13	The role of biochar in retaining nutrients in amended tropical soils. <i>Journal of Plant Nutrition and Soil Science</i> , 2014, 177, 671-680.	1.9	62
14	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.	3.9	47
15	Plant quality, seasonality and sheep grazing in an alpine ecosystem. <i>Basic and Applied Ecology</i> , 2011, 12, 195-206.	2.7	37
16	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.	5.6	37
17	Vertical and lateral transport of biochar in light-textured tropical soils. <i>Soil and Tillage Research</i> , 2017, 165, 34-40.	5.6	35
18	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.	5.6	34

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19	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.	4.9	32
20	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.	2.5	32
21	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.	8.0	32
22	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.	3.4	29
23	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.	1.1	25
24	Woody species composition and diversity of riparian vegetation along the Walga River, Southwestern Ethiopia. <i>PLoS ONE</i> , 2018, 13, e0204733.	2.5	25
25	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.	2.7	24
26	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.	3.9	24
27	Continuous and discontinuous variation in ecosystem carbon stocks with elevation across a treeline ecotone. <i>Biogeosciences</i> , 2015, 12, 1615-1627.	3.3	18
28	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.	5.3	15
29	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.	1.1	14
30	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.	8.0	13
31	Floristic composition and structure of the Kibate Forest along environmental gradients in Wonchi, Southwestern Ethiopia. <i>Journal of Forestry Research</i> , 2021, 32, 2669-2682.	3.6	11
32	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.	7.8	11
33	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.	3.7	10
34	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.	2.5	7
35	Effects of herbivory on N-cycling and distribution of added $15\text{NH}_4^+$ in N-limited low-alpine grasslands. <i>Plant and Soil</i> , 2011, 347, 279-292.	3.7	6
36	Effect of Grazing Exclusion and Rotational Grazing on Soil Aggregate Stability in Typical Grasslands in Inner Mongolia, China. <i>Frontiers in Environmental Science</i> , 2022, 10, .	3.3	6

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37	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.	2.4	5
38	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.	0.8	3
39	Title is missing!., 2020, 15, e0228717.		0
40	Title is missing!., 2020, 15, e0228717.		0
41	Title is missing!., 2020, 15, e0228717.		0
42	Title is missing!., 2020, 15, e0228717.		0
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44	Title is missing!., 2020, 15, e0228717.		0