

Vegard Martinsen

List of Publications by Citations

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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 | 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 |
| 43 | 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 |
| 42 | 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 |
| 41 | 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 |
| 40 | 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 |
| 39 | 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 |
| 38 | 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 |
| 37 | 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 |
| 36 | Cation exchange capacity of biochar: An urgent method modification. <i>Science of the Total Environment</i> , 2018 , 642, 190-197 | 10.2 | 66 |
| 35 | 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 |
| 34 | 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 |
| 33 | 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 |
| 32 | 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 |
| 31 | 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 |
| 30 | Plant quality, seasonality and sheep grazing in an alpine ecosystem. <i>Basic and Applied Ecology</i> , 2011 , 12, 195-206 | 3.2 | 32 |
| 29 | 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 |
| 28 | 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 |

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| 27 | 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 |
| 26 | Vertical and lateral transport of biochar in light-textured tropical soils. <i>Soil and Tillage Research</i> , 2017 , 165, 34-40 | 6.5 | 24 |
| 25 | 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 |
| 24 | 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 |
| 23 | Mountain Soils in a Changing Climate IVulnerability of Carbon Stocks and Ecosystem Feedbacks118-148 | | 18 |
| 22 | 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 |
| 21 | Synergies and trade-offs between ecosystem services in an alpine ecosystem grazed by sheep IAn experimental approach. <i>Basic and Applied Ecology</i> , 2016 , 17, 596-608 | 3.2 | 16 |
| 20 | Woody species composition and diversity of riparian vegetation along the Walga River, Southwestern Ethiopia. <i>PLoS ONE</i> , 2018 , 13, e0204733 | 3.7 | 14 |
| 19 | Continuous and discontinuous variation in ecosystem carbon stocks with elevation across a treeline ecotone. <i>Biogeosciences</i> , 2015 , 12, 1615-1627 | 4.6 | 13 |
| 18 | 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 |
| 17 | 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, 142817-142877 | 19.2 | 9 |
| 16 | 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 |
| 15 | 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 |
| 14 | 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 |
| 13 | 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 |
| 12 | 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 |
| 11 | 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 |
| 10 | 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 |

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| 9 | 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 |
| 8 | 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 |
| 7 | 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 |
| 6 | 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 | | |
| 5 | 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 | | |
| 4 | 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 | | |
| 3 | 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 | | |
| 2 | 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 | | |
| 1 | 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 | | |