Eyob H Tesfamariam

List of Publications by Year
in descending order

36 papers	458 citations	758635 12 h-index	752256 20 g-index
38 all docs	38 docs citations	38 times ranked	666 citing authors

#	Article	IF	Citations
1	Water Stress Effects on Winter Canola Growth and Yield. Agronomy Journal, 2010, 102, 658-666.	0.9	56
2	Application of Artificial Neural Network for Predicting Maize Production in South Africa. Sustainability, 2019, 11, 1145.	1.6	49
3	Potential use of forage-legume intercropping technologies to adapt to climate-change impacts on mixed crop-livestock systems in Africa: a review. Regional Environmental Change, 2017, 17, 1713-1724.	1.4	40
4	Analysis of agro-climatic parameters and their influence on maize production in South Africa. Theoretical and Applied Climatology, 2018, 134, 991-1004.	1.3	32
5	Agricultural use suitability assessment and characterization of municipal liquid sludge: Based on South Africa survey. Science of the Total Environment, 2020, 721, 137658.	3.9	27
6	Exporting Large Volumes of Municipal Sewage Sludge through Turfgrass Sod Production. Journal of Environmental Quality, 2009, 38, 1320-1328.	1.0	24
7	Potential impacts of extreme weather events in main maize (Zea mays L.) producing areas of South Africa under rainfed conditions. Regional Environmental Change, 2019, 19, 1441-1452.	1.4	23
8	Modelled impacts of extreme heat and drought on maize yield in South Africa. Crop and Pasture Science, 2018, 69, 703.	0.7	19
9	Growth, Development, Leaf Gaseous Exchange, and Grain Yield Response of Maize Cultivars to Drought and Flooding Stress. Sustainability, 2018, 10, 3492.	1.6	17
10	Evaluating of soil water balance (SWB-Sci) model for water and nitrogen interactions in pasture: Example using annual ryegrass. Agricultural Water Management, 2014, 146, 238-248.	2.4	14
11	Longâ€term impacts of grazing intensity on soil carbon sequestration and selected soil properties in the arid Eastern Cape, South Africa. Journal of the Science of Food and Agriculture, 2016, 96, 1945-1952.	1.7	14
12	Analysis of drought conditions over major maize producing provinces of South Africa. J Agricultural Meteorology, 2019, 75, 173-182.	0.8	14
13	Use of the SWB-Sci model for nitrogen management in sludge-amended land. Agricultural Water Management, 2015, 152, 262-276.	2.4	10
14	Long-term impacts of season of grazing on soil carbon sequestration and selected soil properties in the arid Eastern Cape, South Africa. Plant and Soil, 2015, 397, 317-329.	1.8	10
15	Performance of ratioâ€based, soilâ€adjusted and atmospherically corrected multispectral vegetation indices in predicting herbaceous aboveground biomass in a <i>Colophospermum mopane</i> treeâ€"shrub savanna. Grass and Forage Science, 2018, 73, 727-739.	1.2	10
16	Nitrogen and phosphorus dynamics in plants and soil fertigated with decentralised wastewater treatment effluent. Agricultural Water Management, 2019, 215, 55-62.	2.4	10
17	Mobility and Uptake of Zinc, Cadmium, Nickel, and Lead in Sludge-Amended Soils Planted to Dryland Maize and Irrigated Maize-Oat Rotation. Journal of Environmental Quality, 2015, 44, 655-667.	1.0	9
18	Effect of irrigation with anaerobic baffled reactor effluent on Swiss chard (Beta vulgaris cicla.) yield, nutrient uptake and leaching. Journal of Water Reuse and Desalination, 2015, 5, 592-609.	1.2	9

#	Article	IF	Citations
19	Yield decline in mechanically harvested clonal tea (Camellia sinensis (L) O. Kuntze) as influenced by changes in source/sink and radiation interception dynamics in the canopy. Scientia Horticulturae, 2015, 194, 286-294.	1.7	9
20	Modelling N mineralisation from sludge-amended soils across agro-ecological zones: A case study from South Africa. Ecological Modelling, 2016, 322, 19-30.	1.2	8
21	Costâ€"Benefit Analysis of Municipal Sludge as a Low-Grade Nutrient Source: A Case Study from South Africa. Sustainability, 2020, 12, 9950.	1.6	8
22	Nitrogen and phosphorus fluxes in three soils fertigated with decentralised wastewater treatment effluent to field capacity. Journal of Water Reuse and Desalination, 2019, 9, 142-151.	1.2	6
23	Can a Blend of Amendments be an Important Component of a Rehabilitation Strategy for Surface Coal Mined Soils?. Sustainability, 2019, 11, 4297.	1.6	5
24	Carbon sequestration and selected hydraulic characteristics under conservation agriculture and traditional tillage practices in Malawi. Soil Research, 2020, 58, 759.	0.6	5
25	Sludge Stabilization Process, Drying Depth and Polymeric Material Addition: Implication on Nitrogen Content, Selected Chemical Properties and Land Requirement in Sand Drying Beds. Energies, 2020, 13, 6753.	1.6	5
26	Variability of Satellite Derived Phenological Parameters across Maize Producing Areas of South Africa. Sustainability, 2018, 10, 3033.	1.6	4
27	Seasonal Herbaceous Structure and Biomass Production Response to Rainfall Reduction and Resting Period in the Semi-Arid Grassland Area of South Africa. Agronomy, 2020, 10, 1807.	1.3	4
28	Municipal sludge as source of nitrogen and phosphorus in perennial pasture *Eragrostis curvula* production: Agronomic benefits and environmental impacts. Water S A, 2013, 39, .	0.2	3
29	Implication of sludge stabilization process and polymeric material addition on nitrogen and carbon mineralization. Current Research in Environmental Sustainability, 2021, 3, 100040.	1.7	3
30	Annual Net Primary Productivity of Different Functional Groups as Affected by Different Intensities of Rainfall Reduction in the Semiarid Grasslands of the Gauteng Province in South Africa. Agronomy, 2021, 11, 730.	1.3	3
31	Modelled effects of grazing strategies on native grass production, animal intake and growth in Brahman steers. African Journal of Range and Forage Science, 2021, 38, S41-S51.	0.6	2
32	Modelling maize grain yield and nitrate leaching from sludge-amended soils across agro-ecological zones: A case study from South Africa. Water S A, 2019, 45, .	0.2	2
33	Yield, resource use efficiency and trace metal uptake of weeping lovegrass grown on municipal sludgeâ€"amended soil. Journal of the Science of Food and Agriculture, 2018, 98, 478-486.	1.7	1
34	Calibration and evaluation of the Sustainable Grazing Systems pasture model for predicting native grass aboveground biomass production in southern Africa. African Journal of Range and Forage Science, 0, , 1-13.	0.6	1
35	Using soil-specific partition coefficients to improve accuracy of the new South African guideline for contaminated land. Water S A, 2014, 41, 9.	0.2	0
36	Decentralised wastewater treatment effluent fertigation: preliminary technical assessment. Water S A, 2018, 44, .	0.2	0