

Mokhele E Moeletsi

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

880
citations

516561

16
h-index

526166

27
g-index

48
all docs

48
docs citations

48
times ranked

918
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessing the frequency of drought/flood severity in the Luvuvhu River catchment, Limpopo Province, South Africa. <i>Water S A</i> , 2021, 47, .	0.2	6
2	Provincial cattle carbon emissions from enteric fermentation and manure management in South Africa. <i>Environmental Research</i> , 2021, 195, 110833.	3.7	11
3	From Policy Promises to Result through Innovation in African Agriculture?. <i>World</i> , 2021, 2, 253-266.	1.0	8
4	Can Famine Be Averted? A Spatiotemporal Assessment of The Impact of Climate Change on Food Security in The Luvuvhu River Catchment of South Africa. <i>Land</i> , 2021, 10, 527.	1.2	7
5	Feminization of African Agriculture and the Meaning of Decision-Making for Empowerment and Sustainability. <i>Sustainability</i> , 2021, 13, 8993.	1.6	9
6	Improving the Food and Nutritional Security of Smallholder Farmers in South Africa: Evidence from the InnovAfrica Project. <i>Sustainability</i> , 2021, 13, 9902.	1.6	3
7	Development and Evaluation of Pedotransfer Functions to Estimate Soil Moisture Content at Field Capacity and Permanent Wilting Point for South African Soils. <i>Water (Switzerland)</i> , 2021, 13, 2639.	1.2	3
8	Socio-Economic Barriers to Adoption of Electric Vehicles in South Africa: Case Study of the Gauteng Province. <i>World Electric Vehicle Journal</i> , 2021, 12, 167.	1.6	18
9	Changes in annual extreme temperature and heat indices in Limpopo province: period 1941â€“2016. <i>Theoretical and Applied Climatology</i> , 2021, 143, 1327-1339.	1.3	2
10	Status of electric vehicles in South Africa and their carbon mitigation potential. <i>Scientific African</i> , 2021, 14, e00999.	0.7	9
11	Prospects of an agricultural drought early warning system in South Africa. <i>International Journal of Disaster Risk Reduction</i> , 2021, 66, 102615.	1.8	6
12	Future Policy and Technological Advancement Recommendations for Enhanced Adoption of Electric Vehicles in South Africa: A Survey and Review. <i>Sustainability</i> , 2021, 13, 12535.	1.6	3
13	Assessment of three models for estimating daily net radiation in southern Africa. <i>Agricultural Water Management</i> , 2020, 229, 105951.	2.4	5
14	Trends of carbon emissions from applications of nitrogen fertiliser and crop residues to agricultural soils in South Africa. <i>Journal of Environmental Management</i> , 2020, 272, 111056.	3.8	14
15	Factors Determining the Adoption of Strategies Used by Smallholder Farmers to Cope with Climate Variability in the Eastern Free State, South Africa. <i>Agriculture (Switzerland)</i> , 2020, 10, 410.	1.4	17
16	Differences in soil microbial communities and enzyme activity due to the application of bioslurry under cultivation. <i>South African Journal of Plant and Soil</i> , 2020, 37, 283-291.	0.4	4
17	Projected Direct Carbon Dioxide Emission Reductions as a Result of the Adoption of Electric Vehicles in Gauteng Province of South Africa. <i>Atmosphere</i> , 2020, 11, 591.	1.0	6
18	The use of Water Requirement Satisfaction Index for assessing agricultural drought on rain-fed maize, in the Luvuvhu River catchment, South Africa. <i>Agricultural Water Management</i> , 2020, 237, 106142.	2.4	8

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19	Emission factors and carbon emissions of methane from enteric fermentation of cattle produced under different management systems in South Africa. <i>Journal of Cleaner Production</i> , 2020, 265, 121931.	4.6	14
20	Evaluation of Infilling Methods for Time Series of Daily Temperature Data: Case Study of Limpopo Province, South Africa. <i>Climate</i> , 2019, 7, 86.	1.2	18
21	Barriers Affecting Sustainable Agricultural Productivity of Smallholder Farmers in the Eastern Free State of South Africa. <i>Sustainability</i> , 2019, 11, 3003.	1.6	53
22	Present status of soil moisture estimation over the African continent. <i>Journal of Hydrology: Regional Studies</i> , 2019, 21, 14-24.	1.0	28
23	Agricultural Cropping Systems in South Africa and Their Greenhouse Gas Emissions: A Review. <i>Energy, Environment, and Sustainability</i> , 2019, , 57-71.	0.6	3
24	Introduction of household biogas digesters in rural farming households of the Maluti-a-Phofung municipality, South Africa. <i>Journal of Energy in Southern Africa</i> , 2019, 30, .	0.5	7
25	Analysis of potential future droughts limiting maize production, in the Luvuvhu River catchment area, South Africa. <i>Physics and Chemistry of the Earth</i> , 2018, 105, 44-51.	1.2	11
26	SWAT model uncertainty analysis, calibration and validation for runoff simulation in the Luvuvhu River catchment, South Africa. <i>Physics and Chemistry of the Earth</i> , 2018, 105, 115-124.	1.2	46
27	A review of greenhouse gas emissions from the agriculture sector in Africa. <i>Agricultural Systems</i> , 2018, 166, 124-134.	3.2	75
28	Comparative assessment of bio-fertiliser quality of cow dung and anaerobic digestion effluent. <i>Cogent Food and Agriculture</i> , 2018, 4, 1435019.	0.6	25
29	Seasonal variation of reference evapotranspiration and Priestley-Taylor coefficient in the eastern Free State, South Africa. <i>Agricultural Water Management</i> , 2017, 187, 122-130.	2.4	16
30	Use of standardized precipitation evapotranspiration index to investigate drought relative to maize, in the Luvuvhu River catchment area, South Africa. <i>Physics and Chemistry of the Earth</i> , 2017, 102, 1-9.	1.2	15
31	Enteric Methane Emissions Estimate for Livestock in South Africa for 1990â€“2014. <i>Atmosphere</i> , 2017, 8, 69.	1.0	16
32	Mapping of Maize Growing Period over the Free State Province of South Africa: Heat Units Approach. <i>Advances in Meteorology</i> , 2017, 2017, 1-11.	0.6	9
33	Spatiotemporal Variation of Frost within Growing Periods. <i>Advances in Meteorology</i> , 2017, 2017, 1-11.	0.6	8
34	Evaluation of an inverse distance weighting method for patching daily and dekadal rainfall over the Free State Province, South Africa. <i>Water S A</i> , 2016, 42, 466.	0.2	26
35	The Study of Frost Occurrence in Free State Province of South Africa. <i>Advances in Meteorology</i> , 2016, 2016, 1-9.	0.6	12
36	Greenhouse gas emissions from different crop production and management practices in South Africa. <i>Environmental Development</i> , 2016, 19, 23-35.	1.8	100

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37	Dry spells assessment with reference to the maize crop in the Luvuvhu River catchment of South Africa. <i>Physics and Chemistry of the Earth</i> , 2016, 92, 99-111.	1.2	11
38	2004 Methane and Nitrous Oxide Emissions from Manure Management in South Africa. <i>Animals</i> , 2015, 5, 193-205.	1.0	22
39	Intra-seasonal rainfall variability during the maize growing season in the northern lowlands of Lesotho. <i>Theoretical and Applied Climatology</i> , 2015, 120, 575-585.	1.3	6
40	Development of an agroclimatological risk tool for dryland maize production in the Free State Province of South Africa. <i>Computers and Electronics in Agriculture</i> , 2013, 95, 108-121.	3.7	18
41	Agroclimatological suitability mapping for dryland maize production in Lesotho. <i>Theoretical and Applied Climatology</i> , 2013, 114, 227-236.	1.3	22
42	Comparison of the Hargreaves and Samani equation and the Thornthwaite equation for estimating dekadal evapotranspiration in the Free State Province, South Africa. <i>Physics and Chemistry of the Earth</i> , 2013, 66, 4-15.	1.2	34
43	The Use of Rainfall Forecasts as a Decision Guide for Small-scale Farming in Limpopo Province, South Africa. <i>Journal of Agricultural Education and Extension</i> , 2013, 19, 133-145.	1.1	24
44	Rainy season characteristics of the Free State Province of South Africa with reference to rain-fed maize production. <i>Water S A</i> , 2012, 38, .	0.2	30
45	A simple agroclimatic index to delineate suitable growing areas for rainfed maize production in the Free State Province of South Africa. <i>Agricultural and Forest Meteorology</i> , 2012, 162-163, 63-70.	1.9	18
46	Assessment of agricultural drought using a simple water balance model in the Free State Province of South Africa. <i>Theoretical and Applied Climatology</i> , 2012, 108, 425-450.	1.3	26
47	ENSO and implications on rainfall characteristics with reference to maize production in the Free State Province of South Africa. <i>Physics and Chemistry of the Earth</i> , 2011, 36, 715-726.	1.2	46
48	Development and validation of an operational multi-layered model for estimation of soil moisture at point-scale in South Africa. <i>South African Journal of Plant and Soil</i> , 0, , 1-13.	0.4	2