Elmarie Kotze

List of Publications by Year
in descending order

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35 papers	641 citations	623734 14 h-index	580821 25 g-index
35 all docs	35 docs citations	35 times ranked	661 citing authors

#	Article	IF	Citations
1	High-density grazing in southern Africa: Inspiration by nature leads to conservation?. Outlook on Agriculture, 2022, 51, 67-74.	3.4	3
2	Soil Organic Matter Storage in Irrigated Tsitsikamma Dairy Farms with Minimum Tilled Pasture Mixtures: Case Studies. Agriculture (Switzerland), 2022, 12, 858.	3.1	1
3	Short-Term Effects of Tillage Systems, Fertilization, and Cropping Patterns on Soil Chemical Properties and Maize Yields in a Loamy Sand Soil in Southern Mozambique. Agronomy, 2022, 12, 1534.	3.0	3
4	Cross-rangeland comparisons on soil carbon dynamics in the pedoderm of semi-arid and arid South African commercial farms. Geoderma, 2021, 381, 114689.	5.1	6
5	Characterization of Soil Carbon Stocks in the City of Johannesburg. Land, 2021, 10, 83.	2.9	4
6	Long-term wheat production management effects on soil fertility indicators in the semi-arid eastern Free State, South Africa. South African Journal of Plant and Soil, 2021, 38, 93-106.	1.1	7
7	Tillage and its temporal effects on soil organic matter and microbial characteristics in the semi-arid central South Africa. Soil Research, 2021, , .	1.1	1
8	Ecosystem services in sustainable food systems. , 2020, , 17-42.		6
9	Response of soil organic matter indices and fractions after 37 years of wheat production management practices in semi-arid South Africa. South African Journal of Plant and Soil, 2020, 37, 136-143.	1.1	3
10	Sensitivity and Calibration of the FT-IR Spectroscopy on Concentration of Heavy Metal Ions in River and Borehole Water Sources. Applied Sciences (Switzerland), 2020, 10, 7785.	2.5	14
11	Comparison of soil phosphorus fractions after 37 years of wheat production under different management practices in a semi-arid climate. South African Journal of Plant and Soil, 2020, 37, 184-193.	1.1	4
12	Threats to soil and water resources in South Africa. Environmental Research, 2020, 183, 109015.	7.5	27
13	Impact of long-term production management practices on wheat grain yield and quality components under a semi-arid climate. South African Journal of Plant and Soil, 2020, 37, 194-201.	1.1	5
14	Proposed adaptation of the KMnO4 oxidation method for determining active carbon for South African soils. South African Journal of Science, 2020, 116, .	0.7	1
15	Woody encroachment and related soil properties in different tenure-based management systems of semiarid rangelands. Geoderma, 2020, 372, 114399.	5.1	11
16	Dynamics of Soil Carbon Concentrations and Quality Induced by Agricultural Land Use in Central South Africa. Soil Science Society of America Journal, 2019, 83, 366-379.	2.2	8
17	Soils, Agriculture and Food. World Regional Geography Book Series, 2019, , 111-121.	0.5	5
18	Long-term effects of wheat production management practices on some carbon fractions of a semiarid Plinthustalfs. Soil Research, 2018, 56, 601.	1.1	9

#	Article	IF	Citations
19	The benefits of conservation agriculture on soil organic carbon and yield in southern Africa are site-specific. Soil and Tillage Research, 2018, 183, 72-82.	5.6	38
20	Soil microbial communities in different rangeland management systems of a sandy savanna and clayey grassland ecosystem, South Africa. Nutrient Cycling in Agroecosystems, 2017, 107, 227-245.	2.2	21
21	Land use change affecting soil humic substances in three semi-arid agro-ecosystems in South Africa. Agriculture, Ecosystems and Environment, 2016, 216, 194-202.	5.3	23
22	Rangeland management effects on soil properties in the savanna biome, South Africa: A case study along grazing gradients in communal and commercial farms. Journal of Arid Environments, 2015, 120, 14-25.	2.4	34
23	Long-Term Effects of Wheat Production Management Practices on Exchangeable Base Cations and Cation Exchange Capacity of a Plinthosol in Semi-arid South Africa. Communications in Soil Science and Plant Analysis, 2014, 45, 1083-1105.	1.4	10
24	Rangeland management impacts on the properties of clayey soils along grazing gradients in the semi-arid grassland biome of South Africa. Journal of Arid Environments, 2013, 97, 220-229.	2.4	52
25	Impact of long-term wheat production management practices on soil acidity, phosphorus and some micronutrients in a semi-arid Plinthosol. Soil Research, 2013, 51, 415.	1.1	14
26	Changes in soil organic matter indices following 32Âyears of different wheat production management practices in semi-arid South Africa. Nutrient Cycling in Agroecosystems, 2012, 94, 97-109.	2.2	25
27	Influence of long-term wheat residue management on acidity and some macronutrients in an Avalon soil. South African Journal of Plant and Soil, 2008, 25, 14-21.	1.1	13
28	Influence of long-term wheat residue management on organic matter in an Avalon soil. South African Journal of Plant and Soil, 2007, 24, 114-119.	1.1	11
29	SOILS: THE FREE STATE'S AGRICULTURAL BASE. Southern African Geographical Journal, 2006, 88, 11-21.	1.8	27
30	Savanna-derived organic matter remaining in arable soils of the South African Highveld long-term mixed cropping: Evidence from 13C and 15N natural abundance. Soil Biology and Biochemistry, 2005, 37, 1898-1909.	8.8	53
31	Rangeland degradation in a semi-arid South Africaâ€"II: influence on soil quality. Journal of Arid Environments, 2005, 60, 483-507.	2.4	98
32	Long-term effects of wheat residue management on some fertility indicators of a semi-arid Plinthosol. Soil and Tillage Research, 2001, 63, 25-33.	5.6	61
33	Research note:Organic matter content of a soil in a semiâ€arid climate with three longâ€standing veld conditions. African Journal of Range and Forage Science, 1993, 10, 108-110.	1.4	43
34	Impact of preceding crop sequences on wheat growth and development under conservation agriculture in the eastern Free State, South Africa. South African Journal of Plant and Soil, 0, , 1-10.	1.1	0
35	Aggregate dynamics and intra-aggregate carbon contents as influenced by long-term wheat production management in semi-arid South Africa. South African Journal of Plant and Soil, 0, , 1-8.	1.1	0