

Elmarie Kotze

List of Publications by Year in descending order

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Version: 2024-02-01

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	Rangeland degradation in a semi-arid South Africa: influence on soil quality. <i>Journal of Arid Environments</i> , 2005, 60, 483-507.	2.4	98
2	Long-term effects of wheat residue management on some fertility indicators of a semi-arid Plinthosol. <i>Soil and Tillage Research</i> , 2001, 63, 25-33.	5.6	61
3	Savanna-derived organic matter remaining in arable soils of the South African Highveld long-term mixed cropping: Evidence from ¹³ C and ¹⁵ N natural abundance. <i>Soil Biology and Biochemistry</i> , 2005, 37, 1898-1909.	8.8	53
4	Rangeland management impacts on the properties of clayey soils along grazing gradients in the semi-arid grassland biome of South Africa. <i>Journal of Arid Environments</i> , 2013, 97, 220-229.	2.4	52
5	Research note: Organic matter content of a soil in a semi-arid climate with three long-standing veld conditions. <i>African Journal of Range and Forage Science</i> , 1993, 10, 108-110.	1.4	43
6	The benefits of conservation agriculture on soil organic carbon and yield in southern Africa are site-specific. <i>Soil and Tillage Research</i> , 2018, 183, 72-82.	5.6	38
7	Rangeland management effects on soil properties in the savanna biome, South Africa: A case study along grazing gradients in communal and commercial farms. <i>Journal of Arid Environments</i> , 2015, 120, 14-25.	2.4	34
8	SOILS: THE FREE STATE'S AGRICULTURAL BASE. <i>Southern African Geographical Journal</i> , 2006, 88, 11-21.	1.8	27
9	Threats to soil and water resources in South Africa. <i>Environmental Research</i> , 2020, 183, 109015.	7.5	27
10	Changes in soil organic matter indices following 32 years of different wheat production management practices in semi-arid South Africa. <i>Nutrient Cycling in Agroecosystems</i> , 2012, 94, 97-109.	2.2	25
11	Land use change affecting soil humic substances in three semi-arid agro-ecosystems in South Africa. <i>Agriculture, Ecosystems and Environment</i> , 2016, 216, 194-202.	5.3	23
12	Soil microbial communities in different rangeland management systems of a sandy savanna and clayey grassland ecosystem, South Africa. <i>Nutrient Cycling in Agroecosystems</i> , 2017, 107, 227-245.	2.2	21
13	Impact of long-term wheat production management practices on soil acidity, phosphorus and some micronutrients in a semi-arid Plinthosol. <i>Soil Research</i> , 2013, 51, 415.	1.1	14
14	Sensitivity and Calibration of the FT-IR Spectroscopy on Concentration of Heavy Metal Ions in River and Borehole Water Sources. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7785.	2.5	14
15	Influence of long-term wheat residue management on acidity and some macronutrients in an Avalon soil. <i>South African Journal of Plant and Soil</i> , 2008, 25, 14-21.	1.1	13
16	Influence of long-term wheat residue management on organic matter in an Avalon soil. <i>South African Journal of Plant and Soil</i> , 2007, 24, 114-119.	1.1	11
17	Woody encroachment and related soil properties in different tenure-based management systems of semi-arid rangelands. <i>Geoderma</i> , 2020, 372, 114399.	5.1	11
18	Long-Term Effects of Wheat Production Management Practices on Exchangeable Base Cations and Cation Exchange Capacity of a Plinthosol in Semi-arid South Africa. <i>Communications in Soil Science and Plant Analysis</i> , 2014, 45, 1083-1105.	1.4	10

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19	Long-term effects of wheat production management practices on some carbon fractions of a semi-arid Plinthustal. <i>Soil Research</i> , 2018, 56, 601.	1.1	9
20	Dynamics of Soil Carbon Concentrations and Quality Induced by Agricultural Land Use in Central South Africa. <i>Soil Science Society of America Journal</i> , 2019, 83, 366-379.	2.2	8
21	Long-term wheat production management effects on soil fertility indicators in the semi-arid eastern Free State, South Africa. <i>South African Journal of Plant and Soil</i> , 2021, 38, 93-106.	1.1	7
22	Ecosystem services in sustainable food systems. , 2020, , 17-42.		6
23	Cross-rangeland comparisons on soil carbon dynamics in the pedoderm of semi-arid and arid South African commercial farms. <i>Geoderma</i> , 2021, 381, 114689.	5.1	6
24	Impact of long-term production management practices on wheat grain yield and quality components under a semi-arid climate. <i>South African Journal of Plant and Soil</i> , 2020, 37, 194-201.	1.1	5
25	Soils, Agriculture and Food. <i>World Regional Geography Book Series</i> , 2019, , 111-121.	0.5	5
26	Comparison of soil phosphorus fractions after 37 years of wheat production under different management practices in a semi-arid climate. <i>South African Journal of Plant and Soil</i> , 2020, 37, 184-193.	1.1	4
27	Characterization of Soil Carbon Stocks in the City of Johannesburg. <i>Land</i> , 2021, 10, 83.	2.9	4
28	Response of soil organic matter indices and fractions after 37 years of wheat production management practices in semi-arid South Africa. <i>South African Journal of Plant and Soil</i> , 2020, 37, 136-143.	1.1	3
29	High-density grazing in southern Africa: Inspiration by nature leads to conservation?. <i>Outlook on Agriculture</i> , 2022, 51, 67-74.	3.4	3
30	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. <i>Agronomy</i> , 2022, 12, 1534.	3.0	3
31	Proposed adaptation of the KMnO ₄ oxidation method for determining active carbon for South African soils. <i>South African Journal of Science</i> , 2020, 116, .	0.7	1
32	Tillage and its temporal effects on soil organic matter and microbial characteristics in the semi-arid central South Africa. <i>Soil Research</i> , 2021, , .	1.1	1
33	Soil Organic Matter Storage in Irrigated Tsitsikamma Dairy Farms with Minimum Tilled Pasture Mixtures: Case Studies. <i>Agriculture (Switzerland)</i> , 2022, 12, 858.	3.1	1
34	Impact of preceding crop sequences on wheat growth and development under conservation agriculture in the eastern Free State, South Africa. <i>South African Journal of Plant and Soil</i> , 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. <i>South African Journal of Plant and Soil</i> , 0, , 1-8.	1.1	0