

Cletos Mapiye

List of Publications by Year in descending order

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Version: 2024-02-01

114
papers

2,492
citations

201385

27
h-index

264894

42
g-index

115
all docs

115
docs citations

115
times ranked

1990
citing authors

#	ARTICLE	IF	CITATIONS
1	Information and communication technologies (ICTs): The potential for enhancing the dissemination of agricultural information and services to smallholder farmers in sub-Saharan Africa. <i>Information Development</i> , 2023, 39, 638-658.	1.4	10
2	Ruminant meat production and quality enhancement, nematode suppression and greenhouse gas emission mitigation: A sustainable paradigm for valorisation of Acacia leaves. <i>Animal Feed Science and Technology</i> , 2022, 284, 115187.	1.1	8
3	Chevon production and quality of Kalahari Red goats fed increasing levels of hempseed cake substituted for soybean meal. <i>Meat Science</i> , 2022, 187, 108749.	2.7	7
4	Grape (<i>Vitis vinifera</i>) Biowastes: Applications in Egg, Meat and Dairy Production and Products. , 2022, , 467-504.		1
5	Phenolic profiling and antioxidant evaluation of extracts from Southern African indigenous fruits byproducts. <i>Food Research International</i> , 2022, 157, 111388.	2.9	4
6	Meat production, feed and water efficiencies of selected South African sheep breeds. <i>Small Ruminant Research</i> , 2022, 214, 106746.	0.6	4
7	Growth Performance, Carcass Characteristics and Economic Viability of Nguni Cattle Fed Diets Containing Graded Levels of <i>Opuntia ficus-indica</i> . <i>Agriculture (Switzerland)</i> , 2022, 12, 1023.	1.4	3
8	Polyunsaturated fatty acid, volatile and sensory profiles of beef from steers fed citrus pulp or grape pomace. <i>Food Research International</i> , 2021, 139, 109923.	2.9	8
9	Comparison of <i>Acacia mearnsii</i> and <i>Medicago sativa</i> as substitutes for <i>Glycine max</i> in cattle finisher diets: Effects on beef production and quality. <i>Scientific African</i> , 2021, 11, e00673.	0.7	3
10	Drivers of low-input farmers's perceptions of sustainable ruminant farming practices in the Eastern Cape Province, South Africa. <i>Environment, Development and Sustainability</i> , 2021, 23, 8405-8432.	2.7	4
11	Comparative effects of feeding citrus pulp and grape pomace on nutrient digestibility and utilization in steers. <i>Animal</i> , 2021, 15, 100020.	1.3	11
12	Emerging from Below? Understanding the Livelihood Trajectories of Smallholder Livestock Farmers in Eastern Cape Province, South Africa. <i>Land</i> , 2021, 10, 226.	1.2	4
13	Indigenous Slaughter Techniques: Effects on Meat Physico-Chemical Characteristics of Nguni Goats. <i>Animals</i> , 2021, 11, 858.	1.0	13
14	Towards a Revolutionized Agricultural Extension System for the Sustainability of Smallholder Livestock Production in Developing Countries: The Potential Role of ICTs. <i>Sustainability</i> , 2021, 13, 5868.	1.6	26
15	A gross margin analysis for Nguni cattle farmers in Limpopo Province, South Africa. <i>PLoS ONE</i> , 2021, 16, e0253657.	1.1	2
16	Impact of water scarcity on dryland sheep meat production and quality: Key recovery and resilience strategies. <i>Journal of Arid Environments</i> , 2021, 190, 104511.	1.2	9
17	Smallholder sheep farmers's perceived impact of water scarcity in the dry ecozones of South Africa: Determinants and response strategies. <i>Climate Risk Management</i> , 2021, 34, 100369.	1.6	5
18	Biopreservative efficacy of grape (<i>Vitis vinifera</i>) and clementine mandarin orange (<i>Citrus reticulata</i>) by-product extracts in raw ground beef patties. <i>Meat Science</i> , 2021, 181, 108609.	2.7	18

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19	<i>Trans</i> 18:1 in ruminant meats: A review. <i>Lipids</i> , 2021, 56, 539-562.	0.7	12
20	Nutraceutical and preservative potential of <i>Acacia mearnsii</i> and <i>Acacia dealbata</i> leaves for ruminant production and product quality enhancement. <i>Journal of Agricultural Science</i> , 2021, 159, 743-756.	0.6	7
21	Management information sources and communication strategies for commercially oriented smallholder beef cattle producers in Limpopo province, South Africa. <i>Outlook on Agriculture</i> , 2020, 49, 50-56.	1.8	16
22	Influence of feeding fruit by-products as alternative dietary fibre sources to wheat bran on beef production and quality of Angus steers. <i>Meat Science</i> , 2020, 161, 107969.	2.7	23
23	Dietary citrus pulp and grape pomace as potential natural preservatives for extending beef shelf life. <i>Meat Science</i> , 2020, 162, 108029.	2.7	33
24	Bioavailability and Bioefficacy of Hemp By-Products in Ruminant Meat Production and Preservation: A Review. <i>Frontiers in Veterinary Science</i> , 2020, 7, 572906.	0.9	36
25	Southern African indigenous fruits and their byproducts: Prospects as food antioxidants. <i>Journal of Functional Foods</i> , 2020, 75, 104220.	1.6	31
26	Growth performance, carcass characteristics and fatty acid composition of finishing pigs fed on graded levels of <i>Vachellia tortilis</i> leaf meal. <i>Livestock Science</i> , 2020, 241, 104259.	0.6	2
27	Application of system dynamics modelling in evaluating sustainability of low-input ruminant farming systems in Eastern Cape Province, South Africa. <i>Ecological Modelling</i> , 2020, 438, 109294.	1.2	6
28	<i>Sericea lespedeza</i> (<i>Lespedeza juncea</i> var. <i>sericea</i>) for sustainable small ruminant production: Feed, helminth suppressant and meat preservation capabilities. <i>Animal Feed Science and Technology</i> , 2020, 270, 114688.	1.1	13
29	Meat quality, skin damage and reproductive performance of ostriches exposed to extensive human presence and interactions at an early age. <i>Tropical Animal Health and Production</i> , 2020, 52, 3439-3448.	0.5	1
30	Farmer challenge-derived indicators for assessing sustainability of low-input ruminant production systems in sub-Saharan Africa. <i>Environmental and Sustainability Indicators</i> , 2020, 8, 100060.	1.7	5
31	Theoretical and practical considerations in the development of a methodological framework for evaluating sustainability of low-input ruminant farming systems in developing countries. <i>Environmental and Sustainability Indicators</i> , 2020, 8, 100058.	1.7	3
32	Bioactivity and health effects of ruminant meat lipids. Invited Review. <i>Meat Science</i> , 2020, 165, 108114.	2.7	81
33	Livelihood, Food and Nutrition Security in Southern Africa: What Role Do Indigenous Cattle Genetic Resources Play?. <i>Diversity</i> , 2020, 12, 74.	0.7	21
34	Advancing a holistic systems approach for sustainable cattle development programmes in South Africa: insights from sustainability assessments. <i>Agroecology and Sustainable Food Systems</i> , 2020, 44, 827-858.	1.0	11
35	Intake, digestibility, rumen protein synthesis, and growth performance of Malawi Zebu steers fed diets containing rangeland-based protein sources. <i>Tropical Animal Health and Production</i> , 2019, 51, 199-204.	0.5	2
36	Effects of feeding increasing levels of grape (<i>Vitis vinifera</i> cv. Pinotage) pomace on lamb shelf-life and eating quality. <i>Meat Science</i> , 2019, 157, 107887.	2.7	29

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37	Effect of grape (<i>Vitis vinifera</i> L. cv. Pinotage) pomace supplementation on nutrient utilization in finisher lambs. <i>Small Ruminant Research</i> , 2019, 179, 48-55.	0.6	5
38	Professor Voster Muchenje, 1972–2019. <i>Meat Science</i> , 2019, 158, 107891.	2.7	0
39	Carcass and meat quality attributes of Malawi Zebu steers fed <i>Vachellia polyacantha</i> leaves or <i>Adansonia digitata</i> seed as alternative protein sources to <i>Glycine max</i> . <i>South African Journal of Animal Sciences</i> , 2019, 49, 395.	0.2	6
40	Unpacking the “Emergent Farmer”™ Concept in Agrarian Reform: Evidence from Livestock Farmers in South Africa. <i>Development and Change</i> , 2019, 50, 1664-1686.	2.0	15
41	Envisioning more effective delivery of custom feeding programs using participatory approaches: Lessons from Eastern Cape Province, South Africa. <i>Outlook on Agriculture</i> , 2019, 48, 157-166.	1.8	5
42	Constraints to the sustainability of a “systematised”™ approach to livestock marketing amongst smallholder cattle producers in South Africa. <i>International Journal of Agricultural Sustainability</i> , 2019, 17, 189-204.	1.3	14
43	Food Preservative Capabilities of Grape (<i>Vitis vinifera</i>) and Clementine Mandarin (<i>Citrus reticulata</i>) By-products Extracts in South Africa. <i>Sustainability</i> , 2019, 11, 1746.	1.6	22
44	Strategies for Sustainable Use of Indigenous Cattle Genetic Resources in Southern Africa. <i>Diversity</i> , 2019, 11, 214.	0.7	27
45	Grape pomace (<i>Vitis vinifera</i> L. cv. Pinotage) supplementation in lamb diets: Effects on growth performance, carcass and meat quality. <i>Meat Science</i> , 2019, 147, 6-12.	2.7	45
46	Varietal differences in nutrient, amino acid and mineral composition and in vitro rumen digestibility of grape (<i>Vitis vinifera</i>) pomace from the Cape Winelands vineyards in South Africa and impact of preservation techniques. <i>Industrial Crops and Products</i> , 2018, 118, 30-37.	2.5	31
47	Nutritional enhancement of sheep meat fatty acid profile for human health and wellbeing. <i>Food Research International</i> , 2018, 104, 25-38.	2.9	128
48	Towards a system-specific framework for the sustainability evaluation of low-input ruminant meat production systems in developing countries. <i>Ecological Indicators</i> , 2018, 85, 1081-1091.	2.6	6
49	Citrus and Winery Wastes: Promising Dietary Supplements for Sustainable Ruminant Animal Nutrition, Health, Production, and Meat Quality. <i>Sustainability</i> , 2018, 10, 3718.	1.6	30
50	Polyunsaturated Fatty Acid Biosynthesis and Metabolism in Agriculturally Important Species. , 2018, , 61-86.		8
51	Impact of dehydration on retention of bioactive profile and biological activities of different grape (<i>Vitis vinifera</i> L.) pomace varieties. <i>Animal Feed Science and Technology</i> , 2018, 244, 116-127.	1.1	18
52	Limitations and prospects of improving beef cattle production in the smallholder sector: a case of Limpopo Province, South Africa. <i>Tropical Animal Health and Production</i> , 2018, 50, 1711-1725.	0.5	24
53	Determinants of smallholder farmers’™ perceptions of impact of climate change on beef production in Malawi. <i>Climatic Change</i> , 2017, 142, 129-141.	1.7	38
54	Indicator-based sustainability assessment of the smallholder beef cattle production system in South Africa. <i>Agroecology and Sustainable Food Systems</i> , 2017, 41, 3-29.	1.0	21

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55	Genetic Traits of Relevance to Sustainability of Smallholder Sheep Farming Systems in South Africa. Sustainability, 2017, 9, 1225.	1.6	15
56	Towards a regional beef carcass classification system for Southern Africa. South African Journal of Animal Sciences, 2017, 47, 408.	0.2	16
57	Conservation of indigenous cattle genetic resources in Southern Africa's smallholder areas: turning threats into opportunities – A review. Asian-Australasian Journal of Animal Sciences, 2017, 30, 603-621.	2.4	70
58	Determinants and opportunities for commercial marketing of beef cattle raised on communally owned natural pastures in South Africa. African Journal of Range and Forage Science, 2016, 33, 199-206.	0.6	20
59	Beef traders' and consumers' perceptions on the development of a natural pasture-fed beef brand by smallholder cattle producers in South Africa. African Journal of Range and Forage Science, 2016, 33, 207-214.	0.6	10
60	Beef Fat Enriched with Polyunsaturated Fatty Acid Biohydrogenation Products Improves Insulin Sensitivity Without Altering Dyslipidemia in Insulin Resistant JCR:LA Rats. Lipids, 2016, 51, 821-831.	0.7	10
61	Effects of feeding beef fat enriched with polyunsaturated fatty acid biohydrogenation products to pigs. Canadian Journal of Animal Science, 2016, 96, 95-99.	0.7	0
62	A trans 10-18:1 enriched fraction from beef fed a barley grain-based diet induces lipogenic gene expression and reduces viability of HepG2 cells. Biochemistry and Biophysics Reports, 2016, 7, 84-90.	0.7	9
63	The scope for manipulating the polyunsaturated fatty acid content of beef: a review. Journal of Animal Science and Biotechnology, 2015, 6, 29.	2.1	83
64	Pork as a Source of Omega-3 (n-3) Fatty Acids. Journal of Clinical Medicine, 2015, 4, 1999-2011.	1.0	76
65	Fatty acid composition of beef steers as affected by diet and fat depot. South African Journal of Animal Sciences, 2015, 45, 386.	0.2	10
66	Double Bond Position Plays an Important Role in Delta ⁹ Desaturation and Lipogenic Properties of Trans 18:1 Isomers in Mouse Adipocytes. Lipids, 2015, 50, 1253-1258.	0.7	5
67	Isolation of Δ^7 -linolenic acid biohydrogenation products by combined silver ion solid phase extraction and semi-preparative high performance liquid chromatography. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2015, 980, 34-40.	1.2	27
68	Individual trans 18:1 Isomers are Metabolised Differently and Have Distinct Effects on Lipogenesis in 3T3L1 Adipocytes. Lipids, 2015, 50, 195-204.	0.7	19
69	Towards household food and nutrition security in semi-arid areas: What role for condensed tannin-rich ruminant feedstuffs?. Food Research International, 2015, 76, 953-961.	2.9	41
70	The trans-octadecenoic fatty acid profile of beef: Implications for global food and nutrition security. Food Research International, 2015, 76, 992-1000.	2.9	45
71	Effects of diets supplemented with sunflower or flax seeds on quality and fatty acid profile of hamburgers made with perirenal or subcutaneous fat. Meat Science, 2015, 99, 123-131.	2.7	19
72	Inclusion of sunflower seed and wheat dried distillers' grains with solubles in a red clover silage-based diet enhances steers performance, meat quality and fatty acid profiles. Animal, 2014, 8, 1999-2010.	1.3	7

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73	Improving beef hamburger quality and fatty acid profiles through dietary manipulation and exploitation of fat depot heterogeneity. <i>Journal of Animal Science and Biotechnology</i> , 2014, 5, 54.	2.1	6
74	Types of Oilseed and Adipose Tissue Influence the Composition and Relationships of Polyunsaturated Fatty Acid Biohydrogenation Products in Steers Fed a Grass Hay Diet. <i>Lipids</i> , 2014, 49, 275-286.	0.7	7
75	Predicting fat quality from pigs fed reduced-oil corn dried distillers grains with solubles by near infrared reflectance spectroscopy: Fatty acid composition and iodine value. <i>Meat Science</i> , 2014, 98, 585-590.	2.7	17
76	Performance of Mashona doelings supplemented with different levels of velvet bean (<i>Mucuna</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	0.5	5
77	Flaxseed fed pork: nâ”3 fatty acid enrichment and contribution to dietary recommendations. <i>Meat Science</i> , 2014, 96, 541-547.	2.7	53
78	Physicochemical properties of breast meat from water-stressed naked-neck and Ovambo chickens. <i>British Poultry Science</i> , 2014, 55, 197-206.	0.8	5
79	Subcutaneous Adipose Fatty Acid Profiles and Related Rumen Bacterial Populations of Steers Fed Red Clover or Grass Hay Diets Containing Flax or Sunflower-Seed. <i>PLoS ONE</i> , 2014, 9, e104167.	1.1	31
80	Effects of feeding flaxseed or sunflower-seed in high-forage diets on beef production, quality and fatty acid composition. <i>Meat Science</i> , 2013, 95, 98-109.	2.7	70
81	Adipose tissue and muscle fatty acid profiles of steers fed red clover silage with and without flaxseed. <i>Livestock Science</i> , 2013, 151, 11-20.	0.6	36
82	Short Communication: Erythrocytes assayed early ante mortem can predict adipose tissue and muscle<i>trans</i>-18:1 isomeric profiles of steers fed red clover silage supplemented with flaxseed. <i>Canadian Journal of Animal Science</i> , 2013, 93, 149-153.	0.7	8
83	Subcutaneous fatty acid composition of steers finished as weanlings or yearlings with and without growth promotants. <i>Journal of Animal Science and Biotechnology</i> , 2013, 4, 41.	2.1	2
84	Influence of Î±-tocopherol supplementation on trans-18:1 and conjugated linoleic acid profiles in beef from steers fed a barley-based diet. <i>Animal</i> , 2012, 6, 1888-1896.	1.3	21
85	Feed inventory and smallholder farmersâ€™ perceived causes of feed shortage for dairy cattle in Cisagara District, Rwanda. <i>Tropical Animal Health and Production</i> , 2012, 44, 1459-1468.	0.5	14
86	Influence of socioeconomic factors on production constraints faced by indigenous chicken producers in South Africa. <i>Tropical Animal Health and Production</i> , 2012, 45, 67-74.	0.5	21
87	Dietary influence on the m. longissimus dorsi fatty acid composition of lambs in relation to protein source. <i>Meat Science</i> , 2012, 91, 472-477.	2.7	26
88	The labile lipid fraction of meat: From perceived disease and waste to health and opportunity. <i>Meat Science</i> , 2012, 92, 210-220.	2.7	73
89	Utility of <i>Acacia karroo</i> for beef production in Southern African smallholder farming systems: A review. <i>Animal Feed Science and Technology</i> , 2011, 164, 135-146.	1.1	47
90	Stress reactivity and its relationship to beef quality in Nguni steers supplemented with <i>Acacia karroo</i> leaves. <i>Animal</i> , 2011, 5, 1361-1369.	1.3	3

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91	Tick loads in cattle raised on sweet and sour rangelands in the low-input farming areas of South Africa. <i>Tropical Animal Health and Production</i> , 2011, 43, 307-313.	0.5	27
92	Farmers' perceptions of the causes of low reproductive performance in cows kept under low-input communal production systems in South Africa. <i>Tropical Animal Health and Production</i> , 2011, 43, 315-321.	0.5	18
93	Fatty acid, amino acid and mineral composition of milk from Nguni and local crossbred cows in South Africa. <i>Journal of Food Composition and Analysis</i> , 2011, 24, 529-536.	1.9	19
94	Fatty acid composition of beef from Nguni steers supplemented with Acacia karroo leaf-meal. <i>Journal of Food Composition and Analysis</i> , 2011, 24, 523-528.	1.9	64
95	Changes in Metabolites Concentration in Nguni and Crossbred Calves on Natural Pasture. <i>Asian-Australasian Journal of Animal Sciences</i> , 2011, 24, 1569-1576.	2.4	6
96	Growth performance and carcass characteristics of indigenous Mukota pigs of Zimbabwe. <i>Tropical Animal Health and Production</i> , 2010, 42, 1001-1007.	0.5	16
97	Milk utilisation patterns in the low-input production systems in South Africa. <i>Tropical Animal Health and Production</i> , 2010, 42, 1413-1419.	0.5	6
98	Seroprevalence of tick-borne diseases in communal cattle reared on sweet and sour rangelands in a semi-arid area of South Africa. <i>Veterinary Journal</i> , 2010, 184, 71-76.	0.6	49
99	Meat quality of Nguni steers supplemented with Acacia karroo leaf-meal. <i>Meat Science</i> , 2010, 84, 621-627.	2.7	40
100	Ovarian activity, conception and pregnancy patterns of cows in the semiarid communal rangelands in the Eastern Cape Province of South Africa. <i>Animal Reproduction Science</i> , 2010, 118, 140-147.	0.5	19
101	Protein Status of Indigenous Nguni and Crossbred Cattle in the Semi-arid Communal Rangelands in South Africa. <i>Asian-Australasian Journal of Animal Sciences</i> , 2010, 23, 213-225.	2.4	17
102	Seasonal Changes in Energy-related Blood Metabolites and Mineral Profiles of Nguni and Crossbred Cattle on Communal Rangelands in the Eastern Cape, South Africa. <i>Asian-Australasian Journal of Animal Sciences</i> , 2010, 23, 708-718.	2.4	12
103	Milk production and calf rearing practices in the smallholder areas in the Eastern Cape Province of South Africa. <i>Tropical Animal Health and Production</i> , 2009, 41, 1475-1485.	0.5	22
104	Opportunities for improving Nguni cattle production in the smallholder farming systems of South Africa. <i>Livestock Science</i> , 2009, 124, 196-204.	0.6	85
105	Nutritional status, growth performance and carcass characteristics of Nguni steers supplemented with Acacia karroo leaf-meal. <i>Livestock Science</i> , 2009, 126, 206-214.	0.6	47
106	Seasonal dynamics, production potential and efficiency of cattle in the sweet and sour communal rangelands in South Africa. <i>Journal of Arid Environments</i> , 2009, 73, 529-536.	1.2	38
107	Supplements containing Acacia karroo foliage reduce nematode burdens in Nguni and crossbred cattle. <i>Animal Production Science</i> , 2009, 49, 646.	0.6	27
108	Sunflower Based Rations for Small-Medium Milk Producing Dairy Cows. <i>Pakistan Journal of Nutrition</i> , 2009, 8, 377-383.	0.2	7

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109	Livestock as a buffer against HIV and AIDS income shocks in the rural households of Zimbabwe. <i>Development Southern Africa</i> , 2008, 25, 75-82.	1.1	15
110	Growth Performance of Guinea Fowl Keets Fed Graded Levels of Baobab Seed Cake Diets. <i>International Journal of Poultry Science</i> , 2008, 7, 429-432.	0.6	19
111	A Research Review of Village Chicken Production Constraints and Opportunities in Zimbabwe. <i>Asian-Australasian Journal of Animal Sciences</i> , 2008, 21, 1680-1688.	2.4	66
112	Effect of supplementing a high-protein ram press sunflower cake concentrate on smallholder milk production in Zimbabwe. <i>Tropical Animal Health and Production</i> , 2007, 39, 297-307.	0.5	26
113	Breaking seed coat dormancy in <i>Macrotyloma daltonii</i> . <i>Rangeland Journal</i> , 2006, 28, 179.	0.4	2
114	Drought's implications on agricultural skills in South Africa. <i>Outlook on Agriculture</i> , 0, , 003072702211032.	1.8	3