

# Abubeker Hassen

## List of Publications by Year in descending order

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72  
papers

689  
citations

567281

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642732

23  
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74  
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74  
docs citations

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times ranked

821  
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#	ARTICLE	IF	CITATIONS
1	Nutritional quality of wet distillersâ€™ grains co-ensiled with whole plant maize and its feeding value for lambs. <i>Scientia Agricola</i> , 2022, 79, .	1.2	2
2	Effects of Graded Levels of Mimosa ( <i>Acacia mearnsii</i> ) Tannin Purified with Organic Solvents on Gas, Methane, and In Vitro Organic Matter Digestibility of <i>Eragrostis curvula</i> Hay. <i>Animals</i> , 2022, 12, 562.	2.3	3
3	Potential Use of Tannin Extracts as Additives in Semen Destined for Cryopreservation: A Review. <i>Animals</i> , 2022, 12, 1130.	2.3	4
4	Evaluation of n-alkanes, long-chain alcohols, and carbon stable isotope enrichments of n-alkanes as diet composition markers in free-grazing animals. <i>Animal Production Science</i> , 2022, , .	1.3	0
5	Screening of Candidate Bioactive Secondary Plant Metabolite Ion-Features from <i>Moringa oleifera</i> Accessions Associated with High and Low Enteric Methane Inhibition from Ruminants. <i>Metabolites</i> , 2022, 12, 501.	2.9	2
6	Estimation of feed intake and digestibility in Zebu type Arsi steers fed natural pasture using the n-alkane technique. <i>Animal Feed Science and Technology</i> , 2021, 271, 114765.	2.2	4
7	Use of essential oils in combination with fibrolytic enzymes to decrease in vitro ruminal methane production. <i>South African Journal of Animal Sciences</i> , 2021, 50, .	0.5	1
8	Annual Net Primary Productivity of Different Functional Groups as Affected by Different Intensities of Rainfall Reduction in the Semi-arid Grasslands of the Gauteng Province in South Africa. <i>Agronomy</i> , 2021, 11, 730.	3.0	3
9	Modelled effects of grazing strategies on native grass production, animal intake and growth in Brahman steers. <i>African Journal of Range and Forage Science</i> , 2021, 38, S41-S51.	1.4	2
10	Assessment of botanical composition, biomass yield, nutritional quality and methane production of forages in selected grasslands, southern highlands of Ethiopia. <i>Scientific African</i> , 2021, 12, e00726.	1.5	3
11	Characterization, Density and In Vitro Controlled Release Properties of Mimosa ( <i>Acacia mearnsii</i> ) Tannin Encapsulated in Palm and Sunflower Oils. <i>Animals</i> , 2021, 11, 2919.	2.3	1
12	Effect of <i>Acacia mearnsii</i> Tannin Extract Supplementation on Reproductive Performance and Oxidative Status of South African Mutton Merino Rams. <i>Animals</i> , 2021, 11, 3266.	2.3	1
13	Investigation of ram effect and eCG usage in progesterone based oestrous synchronization protocols on fertility of ewes following fixed time artificial insemination. <i>Small Ruminant Research</i> , 2020, 183, 106034.	1.2	5
14	Replacing urea with nitrate as a non-protein nitrogen source increases lambs' growth and reduces methane production, whereas acacia tannin has no effect. <i>Animal Feed Science and Technology</i> , 2020, 259, 114360.	2.2	23
15	Haematology and Serum Biochemical Indices of Lambs Supplemented with <i>Moringa oleifera</i> , <i>Jatropha curcas</i> and <i>Aloe vera</i> Leaf Extract as Anti-Methanogenic Additives. <i>Antibiotics</i> , 2020, 9, 601.	3.7	8
16	Seasonal Herbaceous Structure and Biomass Production Response to Rainfall Reduction and Resting Period in the Semi-Arid Grassland Area of South Africa. <i>Agronomy</i> , 2020, 10, 1807.	3.0	4
17	Evaluation of <i>Stylosanthes scabra</i> Accessions as Forage Source for Ruminants: Growth Performance, Nutritive Value and In Vitro Ruminal Fermentation. <i>Animals</i> , 2020, 10, 1939.	2.3	6
18	Changes in vegetation structure, aboveground biomass and soil quality in response to traditional grazing land management practices in the central highlands of Ethiopia. <i>African Journal of Range and Forage Science</i> , 2020, , 1-11.	1.4	1

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19	Stocking Rate Has No Confounding Effect on the Use of Internal and Inert Markers to Predict Botanical Composition, Diet Quality, Degradability and Passage Rate Kinetics in Sheep. <i>Animals</i> , 2020, 10, 2232.	2.3	3
20	Gas Production, Digestibility and Efficacy of Stored or Fresh Plant Extracts to Reduce Methane Production on Different Substrates. <i>Animals</i> , 2020, 10, 146.	2.3	23
21	Influence of supplementing Guinea grass with differently processed African yam bean on gas production and in vitro digestibility. <i>Revista Brasileira De Zootecnia</i> , 2020, 49, .	0.8	0
22	Analysis of drought conditions over major maize producing provinces of South Africa. <i>J Agricultural Meteorology</i> , 2019, 75, 173-182.	1.5	14
23	Effect of <i>Leucaena leucocephala</i>, as a protein source in a total mixed ration, on milk yield and composition of Saanen milk goats. <i>South African Journal of Animal Sciences</i> , 2019, 49, 301.	0.5	3
24	Potential impacts of extreme weather events in main maize ( <i>Zea mays L.</i> ) producing areas of South Africa under rainfed conditions. <i>Regional Environmental Change</i> , 2019, 19, 1441-1452.	2.9	23
25	Application of Artificial Neural Network for Predicting Maize Production in South Africa. <i>Sustainability</i> , 2019, 11, 1145.	3.2	49
26	Substitution of <i>Leucaena</i> hay for oil seed cake meal in total mixed rations for goats. <i>South African Journal of Animal Sciences</i> , 2019, 49, 934-943.	0.5	1
27	Effect of Lipid-Encapsulated Acacia Tannin Extract on Feed Intake, Nutrient Digestibility and Methane Emission in Sheep. <i>Animals</i> , 2019, 9, 863.	2.3	34
28	Characterization of starch and gum arabic-maltodextrin microparticles encapsulating acacia tannin extract and evaluation of their potential use in ruminant nutrition. <i>Asian-Australasian Journal of Animal Sciences</i> , 2019, 32, 977-987.	2.4	22
29	Impacts of a mineral lick-centred land use system on woody vegetation cover in an East African Savannah. <i>African Journal of Ecology</i> , 2018, 56, 591-600.	0.9	0
30	The use of certain medicinal plant extracts reduced in vitro methane production while improving in vitro organic matter digestibility. <i>Animal Production Science</i> , 2018, 58, 900.	1.3	24
31	Analysis of agro-climatic parameters and their influence on maize production in South Africa. <i>Theoretical and Applied Climatology</i> , 2018, 134, 991-1004.	2.8	32
32	Growth, Development, Leaf Gaseous Exchange, and Grain Yield Response of Maize Cultivars to Drought and Flooding Stress. <i>Sustainability</i> , 2018, 10, 3492.	3.2	17
33	Variability of Satellite Derived Phenological Parameters across Maize Producing Areas of South Africa. <i>Sustainability</i> , 2018, 10, 3033.	3.2	4
34	Evaluation of land use land cover changes using remote sensing Landsat images and pastoralists perceptions on range cover changes in Borana rangelands, Southern Ethiopia. <i>International Journal of Biodiversity and Conservation</i> , 2018, 10, 1-11.	0.8	11
35	Preparation of acacia tannin loaded lipid microparticles by solid-in-oil-in-water and melt dispersion methods, their characterization and evaluation of their effect on ruminal gas production In Vitro. <i>PLoS ONE</i> , 2018, 13, e0206241.	2.5	16
36	Performance of ratio-based, soil-adjusted and atmospherically corrected multispectral vegetation indices in predicting herbaceous aboveground biomass in a <i>Colophospermum mopane</i> tree-shrub savanna. <i>Grass and Forage Science</i> , 2018, 73, 727-739.	2.9	10

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37	Modelled impacts of extreme heat and drought on maize yield in South Africa. <i>Crop and Pasture Science</i> , 2018, 69, 703.	1.5	19
38	Potential use of forage-legume intercropping technologies to adapt to climate-change impacts on mixed crop-livestock systems in Africa: a review. <i>Regional Environmental Change</i> , 2017, 17, 1713-1724.	2.9	40
39	Bayesian modelling of extreme wind speed at Cape Town, South Africa. <i>Environmental and Ecological Statistics</i> , 2017, 24, 243-267.	3.5	7
40	Effect of supplementing or treating <i>Eragrostis curvula</i> hay with urea or nitrate on its digestibility and <i>in vitro</i> fermentation. <i>South African Journal of Animal Sciences</i> , 2017, 47, 168.	0.5	5
41	Substitution of rumen degradable nitrogen with urea in sheep fed low quality <i>Eragrostis curvula</i> hay. <i>Scientia Agricola</i> , 2016, 73, 498-504.	1.2	0
42	Ensiling quality of maize as influenced by the addition of wet distillers grains with soluble. <i>South African Journal of Animal Sciences</i> , 2016, 46, 21.	0.5	2
43	Effect of diets differing in rumen soluble nitrogen on utilization of poor-quality roughage by sheep. <i>South African Journal of Animal Sciences</i> , 2016, 45, 528.	0.5	4
44	Long-term impacts of grazing intensity on soil carbon sequestration and selected soil properties in the arid Eastern Cape, South Africa. <i>Journal of the Science of Food and Agriculture</i> , 2016, 96, 1945-1952.	3.5	14
45	<i>In vitro</i> methane and gas production characteristics of <i>Eragrostis trichophora</i> substrate supplemented with different browse foliage. <i>Animal Production Science</i> , 2016, 56, 634.	1.3	7
46	Effect of Tannin and Species Variation on <i>In vitro</i> Digestibility, Gas, and Methane Production of Tropical Browse Plants. <i>Asian-Australasian Journal of Animal Sciences</i> , 2015, 28, 188-199.	2.4	71
47	Methane production of two roughage and total mixed ration as influenced by cellulase and xylanase enzyme addition. <i>Scientia Agricola</i> , 2015, 72, 11-19.	1.2	7
48	Long-term impacts of season of grazing on soil carbon sequestration and selected soil properties in the arid Eastern Cape, South Africa. <i>Plant and Soil</i> , 2015, 397, 317-329.	3.7	10
49	Partial replacements of <i>Stylosanthes scabra</i> forage for lucerne in total mixed ration diet of Saanen goats. <i>Tropical Animal Health and Production</i> , 2015, 47, 1391-1396.	1.4	2
50	<i>In-vitro</i> screening of Kalahari browse species for rumen methane mitigation. <i>Scientia Agricola</i> , 2015, 72, 478-483.	1.2	5
51	<i>In vitro</i> fermentation, digestibility and methane production of tropical perennial grass species. <i>Crop and Pasture Science</i> , 2014, 65, 479.	1.5	15
52	Relative preference for, palatability and intake of <i>Stylosanthes scabra</i> accessions adapted in Pretoria. <i>Tropical Grasslands - Forrages Tropicales</i> , 2014, 2, 92.	0.5	1
53	Performance of Arsi-Bale kids supplemented with graded levels of pigeonpea in dry season in Mid Rift valley of Ethiopia. <i>African Journal of Agricultural Research Vol Pp</i> , 2013, 8, 2366-2370.	0.5	4
54	Nutritive Value of Grasses in Semi-arid Rangelands of Ethiopia: Local Experience Based Herbage Preference Evaluation versus Laboratory Analysis. <i>Asian-Australasian Journal of Animal Sciences</i> , 2013, 26, 366-377.	2.4	29

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55	Estimation of browse biomass of <i>Ficus thonningii</i> , an indigenous multipurpose fodder tree in northern Ethiopia. African Journal of Range and Forage Science, 2012, 29, 25-30.	1.4	11
56	Influence of growth stage at harvest on fermentative characteristics of <i>Panicum maximum</i> silage. South African Journal of Animal Sciences, 2011, 40, .	0.5	3
57	Silage fermentation attributes and certain rumen parameters in sheep fed two grass silages harvested at different stages of maturity. South African Journal of Animal Sciences, 2010, 39, .	0.5	2
58	Influence of species/cultivar and season on the quality of <i>Atriplex</i> grown at different sites in South Africa. South African Journal of Animal Sciences, 2010, 39, .	0.5	2
59	Influence of grass species and stage of maturity at ensiling on intake and partial digestibility by sheep. South African Journal of Animal Sciences, 2010, 39, .	0.5	0
60	Qualitative evaluation of four subtropical grasses as standing hay: diet selection, rumen fermentation and partial digestibility by sheep. African Journal of Range and Forage Science, 2009, 26, 69-74.	1.4	5
61	Influence of mineral composition and rumen degradability of <i>Atriplex nummularia</i> (Hatfield) Tj ETQq1 1 0.784314 rgBT /Overloc Science, 2009, 26, 91-96.	1.4	7
62	A note on the potential nutritive value of <i>Ziziphus mucronata</i> (buffalo thorn) foliage during different seasons. African Journal of Range and Forage Science, 2009, 26, 103-105.	1.4	3
63	Fermentative characteristics of <i>Digitaria eriantha</i> subsp. <i>eriantha</i> silage harvested at different stages of maturity. African Journal of Range and Forage Science, 2008, 25, 141-145.	1.4	3
64	Influence of molasses additive and moisture level at ensiling on fermentative characteristics of <i>Panicum maximum</i> . African Journal of Range and Forage Science, 2007, 24, 97-102.	1.4	3
65	Influence of moisture stress on growth, dry matter yield and allocation, water use and water-use efficiency of four <i>Indigofera</i> species. African Journal of Range and Forage Science, 2007, 24, 25-34.	1.4	5
66	Influence of undersowing perennial forages in maize on grain, fodder yield and soil properties in the sub-humid region of western Ethiopia. African Journal of Range and Forage Science, 2007, 24, 35-41.	1.4	1
67	Influence of season/year and species on chemical composition and in vitro digestibility of five <i>Indigofera</i> accessions. Animal Feed Science and Technology, 2007, 136, 312-322.	2.2	38
68	Fermentative attributes of wilted vs. unwilted <i>Digitaria eriantha</i> silage. South African Journal of Animal Sciences, 2007, 37, .	0.5	0
69	Effect of different grazing pressure by lambs grazing <i>Lolium perenne</i> and <i>Dactylis glomerata</i> pastures during spring on: 1. Diet quality. South African Journal of Animal Sciences, 2007, 36, .	0.5	1
70	Effect of Pre-market Feeding of Maize Stover and Concentrate on Fattening Performance, Carcass Trait and Market Value of Grazing Horro Cows. Journal of Applied Animal Research, 2001, 20, 205-212.	1.2	0
71	Effect of Supplementation of Molasses/Urea Blocks and Graded Levels of Concentrate on Growth Performance of Grazing Arsi Bulls. Journal of Applied Animal Research, 1999, 16, 47-52.	1.2	0
72	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.	1.4	1