

# Ayana Angassa

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

1,316  
citations

430874

18  
h-index

377865

34  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1411  
citing authors

#	ARTICLE	IF	CITATIONS
1	A system analysis to assess the effect of low-cost agricultural technologies on productivity, income and GHG emissions in mixed farming systems in southern Ethiopia. <i>Agricultural Systems</i> , 2021, 187, 102988.	6.1	12
2	Effect of Elevation on the Density and Species Composition of Encroacher Woody Plants in Borana Rangeland, Southern Ethiopia. <i>Environmental Management</i> , 2021, 67, 1075-1087.	2.7	3
3	The contribution of frankincense to the agro-pastoral household economy and its potential for commercialization - A case from Borana, southern Ethiopia. <i>Journal of Arid Environments</i> , 2021, 186, 104423.	2.4	5
4	Effects comparison of co-occurring <i>Vachellia</i> tree species on understory herbaceous vegetation biomass and soil nutrient: Case of semi-arid savanna grasslands in southern Ethiopia. <i>Journal of Arid Environments</i> , 2021, 190, 104527.	2.4	2
5	Do Herbaceous Species Functional Groups Have a Uniform Pattern along an Elevation Gradient? The Case of a Semi-Arid Savanna Grasslands in Southern Ethiopia. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 2817.	2.6	5
6	Methane Emissions from Ruminant Livestock in Ethiopia: Promising Forage Species to Reduce CH4 Emissions. <i>Agriculture (Switzerland)</i> , 2019, 9, 130.	3.1	12
7	Effects of grazing intensity to water source on grassland condition, yield and nutritional content of selected grass species in Northwest Ethiopia. <i>Ecological Processes</i> , 2019, 8, .	3.9	6
8	Unlocking the Agricultural Potential of Manure in Agropastoral Systems: Traditional Beliefs Hindering Its Use in Southern Ethiopia. <i>Agriculture (Switzerland)</i> , 2019, 9, 45.	3.1	8
9	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
10	Allometric equations for predicting above-ground biomass of selected woody species to estimate carbon in East African rangelands. <i>Agroforestry Systems</i> , 2018, 92, 599-621.	2.0	22
11	Human-climate induced drivers of mountain grassland over the last 40 years in Sidama, Ethiopia: perceptions versus empirical evidence. <i>Ecological Processes</i> , 2018, 7, .	3.9	4
12	Change in dominance determines herbivore effects on plant biodiversity. <i>Nature Ecology and Evolution</i> , 2018, 2, 1925-1932.	7.8	140
13	Community-based knowledge towards rangeland condition, climate change, and adaptation strategies: the case of Afar pastoralists. <i>Ecological Processes</i> , 2017, 6, .	3.9	11
14	Long-term livestock enclosure did not affect soil carbon in southern Ethiopian rangelands. <i>Geoderma</i> , 2017, 307, 1-7.	5.1	47
15	Effects of enclosure management on carbon sequestration, soil properties and vegetation attributes in East African rangelands. <i>Catena</i> , 2017, 159, 9-19.	5.0	42
16	Camel management as an adaptive strategy to climate change by pastoralists in southern Ethiopia. <i>Ecological Processes</i> , 2017, 6, .	3.9	30
17	The Effects of Area Enclosures on Rangeland Condition, Herbaceous Biomass and Nutritional Quality in Southeast Ethiopia. <i>Science, Technology and Arts Research</i> , 2016, 4, 79.	0.1	3
18	Are trees of intermediate density more facilitative? Canopy effects of four East African legume trees. <i>Applied Vegetation Science</i> , 2016, 19, 291-303.	1.9	18

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19	Perception and attitude of pastoralists on the use and conservation of rangeland resources in Afar Region, Ethiopia. <i>Ecological Processes</i> , 2016, 5, .	3.9	18
20	Conversion of savanna rangelands to bush dominated landscape in Borana, Southern Ethiopia. <i>Ecological Processes</i> , 2016, 5, 6.	3.9	31
21	EFFECTS OF GRAZING INTENSITY AND BUSH ENCROACHMENT ON HERBACEOUS SPECIES AND RANGELAND CONDITION IN SOUTHERN ETHIOPIA. <i>Land Degradation and Development</i> , 2014, 25, 438-451.	3.9	134
22	Impacts of climate change and variability on cattle production in southern Ethiopia: Perceptions and empirical evidence. <i>Agricultural Systems</i> , 2014, 130, 23-34.	6.1	49
23	Livestock Diversification: an Adaptive Strategy to Climate and Rangeland Ecosystem Changes in Southern Ethiopia. <i>Human Ecology</i> , 2014, 42, 509-520.	1.4	55
24	The role of livestock diversification in ensuring household food security under a changing climate in Borana, Ethiopia. <i>Food Security</i> , 2014, 6, 15-28.	5.3	74
25	Cattle herd vulnerability to rainfall variability: responses to two management scenarios in southern Ethiopia. <i>Tropical Animal Health and Production</i> , 2013, 45, 715-721.	1.4	12
26	Savanna land use and its effect on soil characteristics in southern Ethiopia. <i>Journal of Arid Environments</i> , 2012, 81, 67-76.	2.4	39
27	Effects of grazing pressure, age of enclosures and seasonality on bush cover dynamics and vegetation composition in southern Ethiopia. <i>Journal of Arid Environments</i> , 2010, 74, 111-120.	2.4	96
28	Bush encroachment control demonstrations in southern Ethiopia: 1. Woody species survival strategies with implications for herder land management. <i>African Journal of Ecology</i> , 2009, 47, 63-76.	0.9	15
29	Herder Perceptions on Impacts of Range Enclosures, Crop Farming, Fire Ban and Bush Encroachment on the Rangelands of Borana, Southern Ethiopia. <i>Human Ecology</i> , 2008, 36, 201-215.	1.4	133
30	Participatory monitoring of biodiversity in East African grazing lands. <i>Land Degradation and Development</i> , 2008, 19, 636-648.	3.9	18
31	Effects of management and time on mechanisms of bush encroachment in southern Ethiopia. <i>African Journal of Ecology</i> , 2008, 46, 186-196.	0.9	48
32	Relating long-term rainfall variability to cattle population dynamics in communal rangelands and a government ranch in southern Ethiopia. <i>Agricultural Systems</i> , 2007, 94, 715-725.	6.1	97
33	The role of area enclosures and fallow age in the restoration of plant diversity in northern Ethiopia. <i>African Journal of Ecology</i> , 2006, 44, 507-514.	0.9	48
34	The ecological impact of bush encroachment on the yield of grasses in Borana rangeland ecosystem. <i>African Journal of Ecology</i> , 2005, 43, 14-20.	0.9	40
35	Ecological condition of encroached and non-encroached rangelands in Borana, Ethiopia. <i>African Journal of Ecology</i> , 2000, 38, 321-328.	0.9	39