Ayana Angassa

List of Publications by Year
in descending order

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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	Change in dominance determines herbivore effects on plant biodiversity. Nature Ecology and Evolution, 2018, 2, 1925-1932.	7.8	140
2	EFFECTS OF GRAZING INTENSITY AND BUSH ENCROACHMENT ON HERBACEOUS SPECIES AND RANGELAND CONDITION IN SOUTHERN ETHIOPIA. Land Degradation and Development, 2014, 25, 438-451.	3.9	134
3	Herder Perceptions on Impacts of Range Enclosures, Crop Farming, Fire Ban and Bush Encroachment on the Rangelands of Borana, Southern Ethiopia. Human Ecology, 2008, 36, 201-215.	1.4	133
4	Relating long-term rainfall variability to cattle population dynamics in communal rangelands and a government ranch in southern Ethiopia. Agricultural Systems, 2007, 94, 715-725.	6.1	97
5	Effects of grazing pressure, age of enclosures and seasonality on bush cover dynamics and vegetation composition in southern Ethiopia. Journal of Arid Environments, 2010, 74, 111-120.	2.4	96
6	The role of livestock diversification in ensuring household food security under a changing climate in Borana, Ethiopia. Food Security, 2014, 6, 15-28.	5.3	74
7	Livestock Diversification: an Adaptive Strategy to Climate and Rangeland Ecosystem Changes in Southern Ethiopia. Human Ecology, 2014, 42, 509-520.	1.4	55
8	Impacts of climate change and variability on cattle production in southern Ethiopia: Perceptions and empirical evidence. Agricultural Systems, 2014, 130, 23-34.	6.1	49
9	The role of area enclosures and fallow age in the restoration of plant diversity in northern Ethiopia. African Journal of Ecology, 2006, 44, 507-514.	0.9	48
10	Effects of management and time on mechanisms of bush encroachment in southern Ethiopia. African Journal of Ecology, 2008, 46, 186-196.	0.9	48
11	Long-term livestock exclosure did not affect soil carbon in southern Ethiopian rangelands. Geoderma, 2017, 307, 1-7.	5.1	47
12	Effects of enclosure management on carbon sequestration, soil properties and vegetation attributes in East African rangelands. Catena, 2017, 159, 9-19.	5.0	42
13	The ecological impact of bush encroachment on the yield of grasses in Borana rangeland ecosystem. African Journal of Ecology, 2005, 43, 14-20.	0.9	40
14	Ecological condition of encroached and non-encroached rangelands in Borana, Ethiopia. African Journal of Ecology, 2000, 38, 321-328.	0.9	39
15	Savanna land use and its effect on soil characteristics in southern Ethiopia. Journal of Arid Environments, 2012, 81, 67-76.	2.4	39
16	Conversion of savanna rangelands to bush dominated landscape in Borana, Southern Ethiopia. Ecological Processes, 2016, 5, 6.	3.9	31
17	Camel management as an adaptive strategy to climate change by pastoralists in southern Ethiopia. Ecological Processes, 2017, 6, .	3.9	30
18	Allometric equations for predicting above-ground biomass of selected woody species to estimate carbon in East African rangelands. Agroforestry Systems, 2018, 92, 599-621.	2.0	22

#	Article	IF	Citations
19	Participatory monitoring of biodiversity in East African grazing lands. Land Degradation and Development, 2008, 19, 636-648.	3.9	18
20	Are trees of intermediate density more facilitative? Canopy effects of four East African legume trees. Applied Vegetation Science, 2016, 19, 291-303.	1.9	18
21	Perception and attitude of pastoralists on the use and conservation of rangeland resources in Afar Region, Ethiopia. Ecological Processes, 2016, 5, .	3.9	18
22	Bush encroachment control demonstrations in southern Ethiopia: 1. Woody species survival strategies with implications for herder land management. African Journal of Ecology, 2009, 47, 63-76.	0.9	15
23	Cattle herd vulnerability to rainfall variability: responses to two management scenarios in southern Ethiopia. Tropical Animal Health and Production, 2013, 45, 715-721.	1.4	12
24	Methane Emissions from Ruminant Livestock in Ethiopia: Promising Forage Species to Reduce CH4 Emissions. Agriculture (Switzerland), 2019, 9, 130.	3.1	12
25	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. Agricultural Systems, 2021, 187, 102988.	6.1	12
26	Community-based knowledge towards rangeland condition, climate change, and adaptation strategies: the case of Afar pastoralists. Ecological Processes, 2017, 6, .	3.9	11
27	Unlocking the Agricultural Potential of Manure in Agropastoral Systems: Traditional Beliefs Hindering Its Use in Southern Ethiopia. Agriculture (Switzerland), 2019, 9, 45.	3.1	8
28	Effects of grazing intensity to water source on grassland condition, yield and nutritional content of selected grass species in Northwest Ethiopia. Ecological Processes, 2019, 8, .	3.9	6
29	Do Herbaceous Species Functional Groups Have a Uniform Pattern along an Elevation Gradient? The Case of a Semi-Arid Savanna Grasslands in Southern Ethiopia. International Journal of Environmental Research and Public Health, 2020, 17, 2817.	2.6	5
30	The contribution of frankincense to the agro-pastoral household economy and its potential for commercialization - A case from Borana, southern Ethiopia. Journal of Arid Environments, 2021, 186, 104423.	2.4	5
31	Human-climate induced drivers of mountain grassland over the last 40 years in Sidama, Ethiopia: perceptions versus empirical evidence. Ecological Processes, 2018, 7, .	3.9	4
32	The Effects of Area Enclosures on Rangeland Condition, Herbaceous Biomass and Nutritional Quality in Southeast Ethiopia. Science, Technology and Arts Research, 2016, 4, 79.	0.1	3
33	Effect of Elevation on the Density and Species Composition of Encroacher Woody Plants in Borana Rangeland, Southern Ethiopia. Environmental Management, 2021, 67, 1075-1087.	2.7	3
34	Effects comparison of co-occurring Vachellia tree species on understory herbaceous vegetation biomass and soil nutrient: Case of semi-arid savanna grasslands in southern Ethiopia. Journal of Arid Environments, 2021, 190, 104527.	2.4	2
35	Impacts of a mineral lickâ€centred land use system on woody vegetation cover in an East African Savannah. African Journal of Ecology, 2018, 56, 591-600.	0.9	0