FrÃ©dÃ©ric Baudron

List of Publications by Year
in descending order

67 papers	3,096 citations	185998 28 h-index	168136 53 g-index
68 all docs	68 docs citations	68 times ranked	3254 citing authors

#	Article	IF	Citations
1	Crop residue management and soil health: A systems analysis. Agricultural Systems, 2015, 134, 6-16.	3.2	382
2	Agro-ecological options for fall armyworm (Spodoptera frugiperda JE Smith) management: Providing low-cost, smallholder friendly solutions to an invasive pest. Journal of Environmental Management, 2019, 243, 318-330.	3.8	189
3	Understanding the impact and adoption of conservation agriculture in Africa: A multi-scale analysis. Agriculture, Ecosystems and Environment, 2014, 187, 155-170.	2.5	176
4	Understanding the factors influencing fall armyworm (Spodoptera frugiperda J.E. Smith) damage in African smallholder maize fields and quantifying its impact on yield. A case study in Eastern Zimbabwe. Crop Protection, 2019, 120, 141-150.	1.0	170
5	Comparative performance of conservation agriculture and current smallholder farming practices in semi-arid Zimbabwe. Field Crops Research, 2012, 132, 117-128.	2.3	139
6	Field-scale modeling of treeâ€“crop interactions: Challenges and development needs. Agricultural Systems, 2016, 142, 51-69.	3.2	115
7	Re-examining appropriate mechanization in Eastern and Southern Africa: two-wheel tractors, conservation agriculture, and private sector involvement. Food Security, 2015, 7, 889-904.	2.4	105
8	Agriculture and nature: Trouble and strife?. Biological Conservation, 2014, 170, 232-245.	1.9	98
9	Conservation agriculture in African mixed crop-livestock systems: Expanding the niche. Agriculture, Ecosystems and Environment, 2014, 187, 171-182.	2.5	95
10	Soil organic matter underlies crop nutritional quality and productivity in smallholder agriculture. Agriculture, Ecosystems and Environment, 2018, 266, 100-108.	2.5	93
11	Climate-smart agroforestry: Faidherbia albida trees buffer wheat against climatic extremes in the Central Rift Valley of Ethiopia. Agricultural and Forest Meteorology, 2018, 248, 339-347.	1.9	87
12	Complementary practices supporting conservation agriculture in southern Africa. A review. Agronomy for Sustainable Development, 2018, 38, 1.	2.2	83
13	Failing to Yield? Ploughs, Conservation Agriculture and the Problem of Agricultural Intensification: An Example from the Zambezi Valley, Zimbabwe. Journal of Development Studies, 2012, 48, 393-412.	1.2	82
14	Scaling agricultural mechanization services in smallholder farming systems: Case studies from sub-Saharan Africa, South Asia, and Latin America. Agricultural Systems, 2020, 180, 102792.	3.2	76
15	Ecological Intensification: Local Innovation to Address Global Challenges. Sustainable Agriculture Reviews, 2016, , 1-34.	0.6	68
16	Gender and conservation agriculture in East and Southern Africa: towards a research agenda. International Journal of Agricultural Sustainability, 2016, 14, 142-165.	1.3	63
17	Modelling climate change impacts on maize yields under low nitrogen input conditions in subâ€Saharan Africa. Global Change Biology, 2020, 26, 5942-5964.	4.2	60
18	Where to Target Conservation Agriculture for African Smallholders? How to Overcome Challenges Associated with its Implementation? Experience from Eastern and Southern Africa. Environments - MDPI, 2015, 2, 338-357.	1.5	48

#	Article	IF	Citations
19	Affordances of agricultural systems analysis tools: A review and framework to enhance tool design and implementation. Agricultural Systems, 2018, 164, 20-30.	3.2	47
20	COMBINING MULTI-DIMENSIONAL SCALING AND CLUSTER ANALYSIS TO DESCRIBE THE DIVERSITY OF RURAL HOUSEHOLDS. Experimental Agriculture, 2014, 50, 376-397.	0.4	45
21	Indirect contributions of forests to dietary diversity in Southern Ethiopia. Ecology and Society, 2017, 22, .	1.0	44
22	Is labour a major determinant of yield gaps in sub-Saharan Africa? A study of cereal-based production systems in Southern Ethiopia. Agricultural Systems, 2019, 174, 39-51.	3.2	44
23	Multi-scale trade-off analysis of cereal residue use for livestock feeding vs. soil mulching in the Mid-Zambezi Valley, Zimbabwe. Agricultural Systems, 2015, 134, 97-106.	3.2	41
24	A methodological approach for assessing cross-site landscape change: Understanding socio-ecological systems. Forest Policy and Economics, 2017, 84, 83-91.	1.5	37
25	Delineating the drivers of waning wildlife habitat: The predominance of cotton farming on the fringe of protected areas in the Mid-Zambezi Valley, Zimbabwe. Biological Conservation, 2011, 144, 1481-1493.	1.9	36
26	Fixing our global agricultural system to prevent the next COVID-19. Outlook on Agriculture, 2020, 49, 111-118.	1.8	36
27	Cotton expansion and biodiversity loss in African savannahs, opportunities and challenges for conservation agriculture: a review paper based on two case studies. Biodiversity and Conservation, 2009, 18, 2625-2644.	1.2	35
28	A farm-level assessment of labor and mechanization in Eastern and Southern Africa. Agronomy for Sustainable Development, 2019, 39, 1.	2.2	33
29	Impact of farmland exclosure on the productivity and sustainability of a mixed crop-livestock system in the Central Rift Valley of Ethiopia. Agriculture, Ecosystems and Environment, 2015, 207, 109-118.	2.5	30
30	Unpacking the push-pull system: Assessing the contribution of companion crops along a gradient of landscape complexity. Agriculture, Ecosystems and Environment, 2018, 268, 115-123.	2.5	30
31	How sustainable is sustainable intensification? Assessing yield gaps at field and farm level across the globe. Global Food Security, 2021, 30, 100552.	4.0	30
32	Conceptual Links between Landscape Diversity and Diet Diversity: A Roadmap for Transdisciplinary Research. BioScience, 2020, 70, 563-575.	2.2	28
33	Retaining forests within agricultural landscapes as a pathway to sustainable intensification: Evidence from Southern Ethiopia. Agriculture, Ecosystems and Environment, 2018, 263, 41-52.	2.5	27
34	Testing the Various Pathways Linking Forest Cover to Dietary Diversity in Tropical Landscapes. Frontiers in Sustainable Food Systems, 2019, 3, .	1.8	27
35	Impact on productivity of peri-parturient rise in fecal egg counts in Creole goats in the humid tropics. Veterinary Parasitology, 2005, 134, 249-259.	0.7	26
36	Disentangling the positive and negative effects of trees on maize performance in smallholdings of Northern Rwanda. Field Crops Research, 2017, 213, 1-11.	2.3	26

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37	Forest pattern, not just amount, influences dietary quality in five African countries. Global Food Security, 2020, 25, 100331.	4.0	22
38	Wheat yield gaps across smallholder farming systems in Ethiopia. Agronomy for Sustainable Development, 2021, 41, 1.	2.2	22
39	RESTORING CROPLAND PRODUCTIVITY AND PROFITABILITY IN NORTHERN ETHIOPIAN DRYLANDS AFTER NINE YEARS OF RESOURCE-CONSERVING AGRICULTURE. Experimental Agriculture, 2016, 52, 165-187.	0.4	21
40	Crop vs. tree: Can agronomic management reduce trade-offs in tree-crop interactions?. Agriculture, Ecosystems and Environment, 2018, 260, 36-46.	2.5	21
41	Agricultural mechanization and reduced tillage: antagonism or synergy?. International Journal of Agricultural Sustainability, 2019, 17, 219-230.	1.3	21
42	Agriculturally productive yet biodiverse: human benefits and conservation values along a forest-agriculture gradient in Southern Ethiopia. Landscape Ecology, 2019, 34, 341-356.	1.9	20
43	DIFFERENT WAYS TO CUT A CAKE: COMPARING EXPERT-BASED AND STATISTICAL TYPOLOGIES TO TARGET SUSTAINABLE INTENSIFICATION TECHNOLOGIES, A CASE-STUDY IN SOUTHERN ETHIOPIA. Experimental Agriculture, 2019, 55, 191-207.	0.4	19
44	Sparing or sharing land? Views from agricultural scientists. Biological Conservation, 2021, 259, 109167.	1.9	19
45	Implications of changes in land cover and landscape structure for the biocontrol potential of stemborers in Ethiopia. Biological Control, 2018, 122, 1-10.	1.4	18
46	Conservation agriculture with trees amplifies negative effects of reduced tillage on maize performance in East Africa. Field Crops Research, 2018, 221, 238-244.	2.3	18
47	Drivers, farmersâ€™ responses and landscape consequences of smallholder farming systems changes in southern Ethiopia. International Journal of Agricultural Sustainability, 2019, 17, 383-400.	1.3	18
48	Should fertilizer recommendations be adapted to parkland agroforestry systems? Case studies from Ethiopia and Rwanda. Plant and Soil, 2020, 453, 173-188.	1.8	16
49	Excessive pruning and limited regeneration: Are Faidherbia albida parklands heading for extinction in the Central Rift Valley of Ethiopia?. Land Degradation and Development, 2018, 29, 1623-1633.	1.8	12
50	Landscape composition overrides field level management effects on maize stemborer control in Ethiopia. Agriculture, Ecosystems and Environment, 2019, 279, 65-73.	2.5	12
51	Forest restoration scenarios produce synergies for agricultural production in southern Ethiopia. Agriculture, Ecosystems and Environment, 2020, 295, 106888.	2.5	12
52	More people, more trees: A reversal of deforestation trends in Southern Ethiopia. Land Degradation and Development, 2021, 32, 1440-1451.	1.8	12
53	How to increase the productivity and profitability of smallholder rainfed wheat in the Eastern African highlands? Northern Rwanda as a case study. Field Crops Research, 2019, 236, 121-131.	2.3	10
54	DO OPEN-POLLINATED MAIZE VARIETIES PERFORM BETTER THAN HYBRIDS IN AGROFORESTRY SYSTEMS?. Experimental Agriculture, 2019, 55, 649-661.	0.4	9

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55	Revisiting strategies to incorporate gender-responsiveness into maize breeding in southern Africa. Outlook on Agriculture, 2022, 51, 178-186.	1.8	8
56	On-farm trees are a safety net for the poorest households rather than a major contributor to food security in Rwanda. Food Security, 2021, 13, 685-699.	2.4	7
57	Influence of 9â€‰years of permanent raised beds and contour furrowing on soil health in conservation agriculture based systems in Tigray region, Ethiopia. Land Degradation and Development, 2021, 32, 1525-1539.	1.8	4
58	Spatial farming systems diversity and micronutrient intakes of rural children in Ethiopia. Maternal and Child Nutrition, 2022, 18, e13242.	1.4	4
59	The role of mechanization in transformation of smallholder agriculture in Southern Africa. , 2019, , 152-160.		4
60	Forest Edges Near Farms Enhance Wheat Productivity Measures: A Test Using High Spatial Resolution Remote Sensing of Smallholder Farms in Southern Ethiopia. Frontiers in Sustainable Food Systems, 2020, 4, .	1.8	3
61	5. Response Options Across the Landscape. , 2015, , 181-208.		3
62	Commodity crops in biodiversity-rich production landscapes: Friends or foes? The example of cotton in the Mid Zambezi Valley, Zimbabwe. Biological Conservation, 2022, 267, 109496.	1.9	3
63	Forest Proximity Positively Affects Natural Enemy Mediated Control of Fall Armyworm in Southern Africa. Frontiers in Forests and Global Change, 2022, 5, .	1.0	3
64	Indifferent to difference? Understanding the unequal impacts of farming technologies among smallholders. A review. Agronomy for Sustainable Development, 2022, 42, .	2.2	2
65	IMPLEMENTATION OF PERMANENT RAISED BEDS CONTRIBUTES TO INCREASED CROP YIELD AND PROFITABILITY IN THE NORTHEASTERN TIGRAY REGION, ETHIOPIA. Experimental Agriculture, 2019, 55, 807-817.	0.4	1
66	<i>Evaluation of two-wheel tractor attached seeders used in conservation agriculture systems of Ethiopia</i>. , 2020, , .		1
67	Population and livelihoods on the edge. , 2017, , 62-84.		0