Jacob van Etten

List of Publications by Year
in descending order

55 papers	2,827 citations	257450 24 h-index	189892 50 g-index
57 all docs	57 docs citations	57 times ranked	3863 citing authors

#	Article	IF	Citations
1	Consilience of genetics and archaeobotany in the entangled history of rice. Archaeological and Anthropological Sciences, 2010, 2, 115-131.	1.8	319
2	R Package gdistance: Distances and Routes on Geographical Grids. Journal of Statistical Software, 2017, 76, .	3.7	267
3	Climateâ€Smart Landscapes: Opportunities and Challenges for Integrating Adaptation and Mitigation in Tropical Agriculture. Conservation Letters, 2014, 7, 77-90.	5.7	261
4	The contribution of rice agriculture and livestock pastoralism to prehistoric methane levels. Holocene, 2011, 21, 743-759.	1.7	194
5	Climate risk management and rural poverty reduction. Agricultural Systems, 2019, 172, 28-46.	6.1	171
6	The Rural Household Multi-Indicator Survey (RHoMIS) for rapid characterisation of households to inform climate smart agriculture interventions: Description and applications in East Africa and Central America. Agricultural Systems, 2017, 151, 225-233.	6.1	112
7	Present Spatial Diversity Patterns of Theobroma cacao L. in the Neotropics Reflect Genetic Differentiation in Pleistocene Refugia Followed by Human-Influenced Dispersal. PLoS ONE, 2012, 7, e47676.	2.5	107
8	Crop variety management for climate adaptation supported by citizen science. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 4194-4199.	7.1	103
9	Food Access Deficiencies in Sub-saharan Africa: Prevalence and Implications for Agricultural Interventions. Frontiers in Sustainable Food Systems, 2019, 3, .	3.9	85
10	FIRST EXPERIENCES WITH A NOVEL FARMER CITIZEN SCIENCE APPROACH: CROWDSOURCING PARTICIPATORY VARIETY SELECTION THROUGH ON-FARM TRIADIC COMPARISONS OF TECHNOLOGIES (TRICOT). Experimental Agriculture, 2019, 55, 275-296.	0.9	75
11	What are the prospects for citizen science in agriculture? Evidence from three continents on motivation and mobile telephone use of resource-poor farmers. PLoS ONE, 2017, 12, e0175700.	2.5	70
12	Are agricultural researchers working on the right crops to enable food and nutrition security under future climates?. Global Environmental Change, 2018, 53, 182-194.	7.8	65
13	A suite of global accessibility indicators. Scientific Data, 2019, 6, 266.	5.3	57
14	Tapping the full potential of the digital revolution for agricultural extension: an emerging innovation agenda. International Journal of Agricultural Sustainability, 2021, 19, 549-565.	3.5	55
15	A Geospatial Modelling Approach Integrating Archaeobotany and Genetics to Trace the Origin and Dispersal of Domesticated Plants. PLoS ONE, 2010, 5, e12060.	2.5	51
16	Climate change, ecosystems and smallholder agriculture in Central America: an introduction to the special issue. Climatic Change, 2017, 141, 1-12.	3.6	47
17	Crowdsourcing Crop Improvement in Sub-Saharan Africa: A Proposal for a Scalable and Inclusive Approach to Food Security. IDS Bulletin, 2011, 42, 102-110.	0.8	46
18	Intensifying Inequality? Gendered Trends in Commercializing and Diversifying Smallholder Farming Systems in East Africa. Frontiers in Sustainable Food Systems, 2019, 3, .	3.9	44

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19	Citizen science breathes new life into participatory agricultural research. A review. Agronomy for Sustainable Development, 2020, 40, 1.	5.3	41
20	User-centred design of a digital advisory service: enhancing public agricultural extension for sustainable intensification in Tanzania. International Journal of Agricultural Sustainability, 2021, 19, 566-582.	3.5	38
21	Environmental destruction as a counterinsurgency strategy in the Kurdistan region of Turkey. Geoforum, 2008, 39, 1786-1797.	2.5	35
22	In pursuit of a better world: crop improvement and the CGIAR. Journal of Experimental Botany, 2021, 72, 5158-5179.	4.8	35
23	Modelling rankings in R: the PlackettLuce package. Computational Statistics, 2020, 35, 1027-1057.	1.5	33
24	Prioritizing options for multi-objective agricultural development through the Positive Deviance approach. PLoS ONE, 2019, 14, e0212926.	2.5	28
25	Genetic diversity of maize (Zea mays L. ssp. mays) in communities of the western highlands of Guatemala: geographical patterns and processes. Genetic Resources and Crop Evolution, 2008, 55, 303-317.	1.6	27
26	Do community seed banks contribute to the social-ecological resilience of communities? A case-study from western Guatemala. International Journal of Agricultural Sustainability, 2020, 18, 232-249.	3.5	26
27	Protein-rich legume and pseudo-cereal crop suitability under present and future European climates. European Journal of Agronomy, 2020, 113, 125974.	4.1	25
28	Integrating Conventional and Participatory Crop Improvement for Smallholder Agriculture Using the Seeds for Needs Approach: A Review. Frontiers in Plant Science, 2020, 11, 559515.	3.6	25
29	The Rural Household Multiple Indicator Survey, data from 13,310 farm households in 21 countries. Scientific Data, 2020, 7, 46.	5.3	25
30	Regional and local maize seed exchange and replacement in the western highlands of Guatemala. Plant Genetic Resources: Characterisation and Utilisation, 2007, 5, 57-70.	0.8	24
31	Molding maize: the shaping of a crop diversity landscape in the western highlands of Guatemala. Journal of Historical Geography, 2006, 32, 689-711.	0.7	21
32	The accuracy of farmer-generated data in an agricultural citizen science methodology. Agronomy for Sustainable Development, 2017, 37, 1.	5.3	21
33	Experiences and Drivers of Food Insecurity in Guatemala's Dry Corridor: Insights From the Integration of Ethnographic and Household Survey Data. Frontiers in Sustainable Food Systems, 2019, 3, .	3.9	21
34	Consumer Preference Testing of Boiled Sweetpotato Using Crowdsourced Citizen Science in Ghana and Uganda. Frontiers in Sustainable Food Systems, 2021, 5, .	3.9	21
35	Assessing maize genetic erosion. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E1.	7.1	20
36	Data-driven decentralized breeding increases prediction accuracy in a challenging crop production environment. Communications Biology, 2021, 4, 944.	4.4	20

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37	Participatory design of digital innovation in agricultural research-for-development: insights from practice. Agricultural Systems, 2022, 195, 103313.	6.1	20
38	Spatialâ€Data Sharing: Applying Socialâ€Network Analysis to study individual and collective behaviour. International Journal of Geographical Information Science, 2007, 21, 699-714.	4.8	19
39	Images of war: using satellite images for human rights monitoring in Turkish Kurdistan¹. Disasters, 2008, 32, 449-466.	2.2	19
40	Changes in farmers' knowledge of maize diversity in highland Guatemala, 1927/37-2004. Journal of Ethnobiology and Ethnomedicine, 2006, 2, 12.	2.6	18
41	Gamification of farmer-participatory priority setting in plant breeding: Design and validation of â€œAgroDuosâ€. Journal of Crop Improvement, 2017, 31, 356-378.	1.7	16
42	Viewpoint: COVID-19 and seed security response now and beyond. Food Policy, 2020, 97, 102000.	6.0	15
43	chirps: API Client for the CHIRPS Precipitation Data in R. Journal of Open Source Software, 2020, 5, 2419.	4.6	15
44	Data synthesis for crop variety evaluation. A review. Agronomy for Sustainable Development, 2020, 40, 25.	5.3	14
45	Application of Molecular Markers in Spatial Analysis to Optimize In Situ Conservation of Plant Genetic Resources. , 2014, , 67-91.		12
46	A systematic approach to assess climate information products applied to agriculture and food security in Guatemala and Colombia. Climate Services, 2019, 16, 100137.	2.5	11
47	Household-specific targeting of agricultural advice via mobile phones: Feasibility of a minimum data approach for smallholder context. Computers and Electronics in Agriculture, 2019, 162, 991-1000.	7.7	10
48	Emergency drills for agricultural drought response: a case study in Guatemala. Disasters, 2019, 43, 410-430.	2.2	10
49	Participatory seed projects and agroecological landscape knowledge in Central America. International Journal of Agricultural Sustainability, 2020, 18, 300-318.	3.5	9
50	Application of consensus theory to formalize expert evaluations of plant species distribution models. Applied Vegetation Science, 2014, 17, 528-542.	1.9	8
51	Good data are not enough: Understanding limited information use for climate risk and food security management in Guatemala. Climate Risk Management, 2020, 30, 100248.	3.2	6
52	Generating Farm-Validated Variety Recommendations for Climate Adaptation. , 2019, , 127-138.		4
53	Smallholder Farmer Engagement in Citizen Science for Varietal Diversification Enhances Adaptive Capacity and Productivity in Bihar, India. Frontiers in Sustainable Food Systems, 2021, 5, .	3.9	3
54	The role of open data in evidencing and limiting political interference in public input distribution in Guatemala. Environmental Development, 2021, 38, 100613.	4.1	0

#	Article	IF	Citations
55	Revisiting the adequacy of the economic policy narrative underpinning the Green Revolution. Agriculture and Human Values, 0, , .	3.0	0