

Andy J Jarvis

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

26,426
citations

66234

42
h-index

118652

62
g-index

70
all docs

70
docs citations

70
times ranked

34396
citing authors

#	ARTICLE	IF	CITATIONS
1	Foodomics: A Data-Driven Approach to Revolutionize Nutrition and Sustainable Diets. <i>Frontiers in Nutrition</i> , 2022, 9, 874312.	1.6	13
2	The global divide in data-driven farming. <i>Nature Sustainability</i> , 2021, 4, 154-160.	11.5	65
3	Articulating the effect of food systems innovation on the Sustainable Development Goals. <i>Lancet Planetary Health</i> , The, 2021, 5, e50-e62.	5.1	135
4	Closing yield gaps in Colombian direct seeding rice systems: a stochastic frontier analysis. <i>Agronomia Colombiana</i> , 2020, 38, 110-119.	0.1	1
5	Trade and its trade-offs in the food system. <i>Nature Food</i> , 2020, 1, 665-666.	6.2	3
6	Innovation can accelerate the transition towards a sustainable food system. <i>Nature Food</i> , 2020, 1, 266-272.	6.2	285
7	High-resolution and bias-corrected CMIP5 projections for climate change impact assessments. <i>Scientific Data</i> , 2020, 7, 7.	2.4	240
8	Perspective article: Actions to reconfigure food systems. <i>Global Food Security</i> , 2020, 26, 100432.	4.0	24
9	A scalable scheme to implement data-driven agriculture for small-scale farmers. <i>Global Food Security</i> , 2019, 23, 256-266.	4.0	25
10	GeoFarmer: A monitoring and feedback system for agricultural development projects. <i>Computers and Electronics in Agriculture</i> , 2019, 158, 109-121.	3.7	58
11	Comprehensiveness of conservation of useful wild plants: An operational indicator for biodiversity and sustainable development targets. <i>Ecological Indicators</i> , 2019, 98, 420-429.	2.6	102
12	Reduction in nutritional quality and growing area suitability of common bean under climate change induced drought stress in Africa. <i>Scientific Reports</i> , 2018, 8, 16187.	1.6	67
13	The climate-smart village approach: framework of an integrative strategy for scaling up adaptation options in agriculture. <i>Ecology and Society</i> , 2018, 23, .	1.0	131
14	Smallholders need access to big-data agronomy too. <i>Nature</i> , 2018, 555, 30-30.	13.7	4
15	Climate change adaptation of coffee production in space and time. <i>Climatic Change</i> , 2017, 141, 47-62.	1.7	179
16	Global conservation priorities for crop wild relatives. <i>Nature Plants</i> , 2016, 2, 16022.	4.7	415
17	Origins of food crops connect countries worldwide. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20160792.	1.2	125
18	Drought impact on rainfed common bean production areas in Brazil. <i>Agricultural and Forest Meteorology</i> , 2016, 225, 57-74.	1.9	51

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19	Timescales of transformational climate change adaptation in sub-Saharan African agriculture. <i>Nature Climate Change</i> , 2016, 6, 605-609.	8.1	199
20	From Observation to Information: Data-Driven Understanding of on Farm Yield Variation. <i>PLoS ONE</i> , 2016, 11, e0150015.	1.1	30
21	Crop wild relatives of pigeonpea [<i>Cajanus cajan</i> (L.) Millsp.]: Distributions, ex situ conservation status, and potential genetic resources for abiotic stress tolerance. <i>Biological Conservation</i> , 2015, 184, 259-270.	1.9	134
22	Variation and impact of drought-stress patterns across upland rice target population of environments in Brazil. <i>Journal of Experimental Botany</i> , 2015, 66, 3625-3638.	2.4	50
23	Increasing homogeneity in global food supplies and the implications for food security. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 4001-4006.	3.3	757
24	Climate-smart agriculture for food security. <i>Nature Climate Change</i> , 2014, 4, 1068-1072.	8.1	1,157
25	Using species distributions models for designing conservation strategies of Tropical Andean biodiversity under climate change. <i>Journal for Nature Conservation</i> , 2014, 22, 391-404.	0.8	145
26	A global alliance declaring war on cassava viruses in Africa. <i>Food Security</i> , 2014, 6, 231-248.	2.4	81
27	Empirical approaches for assessing impacts of climate change on agriculture: The EcoCrop model and a case study with grain sorghum. <i>Agricultural and Forest Meteorology</i> , 2013, 170, 67-78.	1.9	115
28	Implications of regional improvement in global climate models for agricultural impact research. <i>Environmental Research Letters</i> , 2013, 8, 024018.	2.2	105
29	Beyond climate-smart agriculture: toward safe operating spaces for global food systems. <i>Agriculture and Food Security</i> , 2013, 2, .	1.6	109
30	Quantifying the benefit of early climate change mitigation in avoiding biodiversity loss. <i>Nature Climate Change</i> , 2013, 3, 678-682.	8.1	291
31	Addressing uncertainty in adaptation planning for agriculture. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 8357-8362.	3.3	212
32	An Inventory of Crop Wild Relatives of the United States. <i>Crop Science</i> , 2013, 53, 1496-1508.	0.8	77
33	Selection of Provenances to Adapt Tropical Pine Forestry to Climate Change on the Basis of Climate Analogs. <i>Forests</i> , 2013, 4, 155-178.	0.9	20
34	Advances in improving tolerance to waterlogging in <i>Brachiaria</i> grasses. <i>Tropical Grasslands - Forrajes Tropicales</i> , 2013, 1, 197.	0.1	9
35	A way forward on adaptation to climate change in Colombian agriculture: perspectives towards 2050. <i>Climatic Change</i> , 2012, 115, 611-628.	1.7	80
36	Climate change, agriculture and food security: a global partnership to link research and action for low-income agricultural producers and consumers. <i>Current Opinion in Environmental Sustainability</i> , 2012, 4, 128-133.	3.1	65

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37	Analysis of threats to South American flora and its implications for conservation. <i>Journal for Nature Conservation</i> , 2012, 20, 337-348.	0.8	19
38	Is Cassava the Answer to African Climate Change Adaptation?. <i>Tropical Plant Biology</i> , 2012, 5, 9-29.	1.0	279
39	Options for support to agriculture and food security under climate change. <i>Environmental Science and Policy</i> , 2012, 15, 136-144.	2.4	354
40	The nature and impact of climate change in the Challenge Program on Water and Food (CPWF) basins. <i>Water International</i> , 2011, 36, 96-124.	0.4	21
41	Predicted Impact of Climate Change on Coffee Supply Chains. <i>Climate Change Management</i> , 2011, , 703-723.	0.6	36
42	Interpretation of commercial production information: A case study of lulo (<i>Solanum quitoense</i>), an under-researched Andean fruit. <i>Agricultural Systems</i> , 2011, 104, 258-270.	3.2	21
43	Regional relationships between inherent coffee quality and growing environment for denomination of origin labels in Nariño and Cauca, Colombia. <i>Food Policy</i> , 2011, 36, 783-794.	2.8	41
44	The climate of cloud forests. <i>Hydrological Processes</i> , 2011, 25, 327-343.	1.1	59
45	AN INTEGRATED ADAPTATION AND MITIGATION FRAMEWORK FOR DEVELOPING AGRICULTURAL RESEARCH: SYNERGIES AND TRADE-OFFS. <i>Experimental Agriculture</i> , 2011, 47, 185-203.	0.4	91
46	A global approach to crop wild relative conservation: securing the gene pool for food and agriculture. <i>Kew Bulletin</i> , 2010, 65, 561-576.	0.4	84
47	Taxonomic identification of Amazonian tree crowns from aerial photography. <i>Applied Vegetation Science</i> , 2010, 13, 510-519.	0.9	7
48	Distribution of the Genus <i>Passiflora</i> L. Diversity in Colombia and Its Potential as an Indicator for Biodiversity Management in the Coffee Growing Zone. <i>Diversity</i> , 2010, 2, 1158-1180.	0.7	36
49	A Gap Analysis Methodology for Collecting Crop Genepools: A Case Study with Phaseolus Beans. <i>PLoS ONE</i> , 2010, 5, e13497.	1.1	148
50	Assessment of threats to ecosystems in South America. <i>Journal for Nature Conservation</i> , 2010, 18, 180-188.	0.8	52
51	Adaptation of tropical and subtropical pine plantation forestry to climate change: Realignment of <i>Pinus patula</i> and <i>Pinus tecunumanii</i> genotypes to 2020 planting site climates. <i>Scandinavian Journal of Forest Research</i> , 2009, 24, 483-493.	0.5	13
52	Analysis of Andean blackberry (<i>Rubus glaucus</i>) production models obtained by means of artificial neural networks exploiting information collected by small-scale growers in Colombia and publicly available meteorological data. <i>Computers and Electronics in Agriculture</i> , 2009, 69, 198-208.	3.7	26
53	Climate change impact predictions on <i>Pinus patula</i> and <i>Pinus tecunumanii</i> populations in Mexico and Central America. <i>Forest Ecology and Management</i> , 2009, 257, 1566-1576.	1.4	48
54	The effect of climate change on crop wild relatives. <i>Agriculture, Ecosystems and Environment</i> , 2008, 126, 13-23.	2.5	305

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55	Gap analysis: a tool for complementary genetic conservation assessment. <i>Diversity and Distributions</i> , 2008, 14, 1018-1030.	1.9	133
56	New Global Hydrography Derived From Spaceborne Elevation Data. <i>Eos</i> , 2008, 89, 93-94.	0.1	1,405
57	An evaluation of void-filling interpolation methods for SRTM data. <i>International Journal of Geographical Information Science</i> , 2007, 21, 983-1008.	2.2	611
58	Regional heterogeneity and gene flow maintain variance in a quantitative trait within populations of lodgepole pine. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 1587-1593.	1.2	93
59	Very high resolution interpolated climate surfaces for global land areas. <i>International Journal of Climatology</i> , 2005, 25, 1965-1978.	1.5	16,568
60	Use of GIS for Optimizing a Collecting Mission for a Rare Wild Pepper (<i>Capsicum flexuosum</i> Sendtn.) in Paraguay. <i>Genetic Resources and Crop Evolution</i> , 2005, 52, 671-682.	0.8	67
61	The Role of Geographic Analysis in Locating, Understanding, and Using Plant Genetic Diversity. <i>Methods in Enzymology</i> , 2005, 395, 279-298.	0.4	11
62	Biogeography of Wild <i>Arachis</i> . <i>Crop Science</i> , 2003, 43, 1100-1108.	0.8	66