

Jerry Knox

List of Publications by Year in descending order

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Version: 2024-02-01

82
papers

3,463
citations

159525

30
h-index

149623

56
g-index

85
all docs

85
docs citations

85
times ranked

4186
citing authors

#	ARTICLE	IF	CITATIONS
1	Climate change impacts on crop productivity in Africa and South Asia. <i>Environmental Research Letters</i> , 2012, 7, 034032.	2.2	535
2	Predicting the impacts of climate change—A case study of paddy irrigation water requirements in Sri Lanka. <i>Agricultural Water Management</i> , 2007, 93, 19-29.	2.4	215
3	Climate change impacts on irrigation water requirements in the Guadalquivir river basin in Spain. <i>Regional Environmental Change</i> , 2007, 7, 149-159.	1.4	212
4	Climate change and water in the UK — past changes and future prospects. <i>Progress in Physical Geography</i> , 2015, 39, 6-28.	1.4	178
5	Water and energy footprint of irrigated agriculture in the Mediterranean region. <i>Environmental Research Letters</i> , 2014, 9, 124014.	2.2	154
6	Water regulation, crop production, and agricultural water management—Understanding farmer perspectives on irrigation efficiency. <i>Agricultural Water Management</i> , 2012, 108, 3-8.	2.4	126
7	A preliminary assessment of climate change impacts on sugarcane in Swaziland. <i>Agricultural Systems</i> , 2010, 103, 63-72.	3.2	91
8	More —crop per drop—™: constraints and opportunities for precision irrigation in European agriculture. <i>Journal of the Science of Food and Agriculture</i> , 2013, 93, 977-980.	1.7	76
9	THE WATER RELATIONS AND IRRIGATION REQUIREMENTS OF SUGAR CANE (<i>SACCHARUM</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 1 0.48 75	0.48	75
10	Impacts of climate change on irrigated potato production in a humid climate. <i>Agricultural and Forest Meteorology</i> , 2011, 151, 1641-1653.	1.9	74
11	Meta-analysis of climate impacts and uncertainty on crop yields in Europe. <i>Environmental Research Letters</i> , 2016, 11, 113004.	2.2	73
12	Developing drought resilience in irrigated agriculture in the face of increasing water scarcity. <i>Regional Environmental Change</i> , 2017, 17, 1527-1540.	1.4	73
13	Priority research questions for the UK food system. <i>Food Security</i> , 2013, 5, 617-636.	2.4	67
14	Implementing precision irrigation in a humid climate — Recent experiences and on-going challenges. <i>Agricultural Water Management</i> , 2015, 147, 135-143.	2.4	67
15	Climate change and land suitability for potato production in England and Wales: impacts and adaptation. <i>Journal of Agricultural Science</i> , 2012, 150, 161-177.	0.6	61
16	A sweet deal? Sugarcane, water and agricultural transformation in Sub-Saharan Africa. <i>Global Environmental Change</i> , 2016, 39, 181-194.	3.6	59
17	Modelling and mapping the economic value of supplemental irrigation in a humid climate. <i>Agricultural Water Management</i> , 2016, 173, 13-22.	2.4	57
18	A nexus perspective on competing land demands: Wider lessons from a UK policy case study. <i>Environmental Science and Policy</i> , 2016, 59, 74-84.	2.4	56

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19	Identifying Future Risks to UK Agricultural Crop Production. Outlook on Agriculture, 2010, 39, 249-256.	1.8	51
20	Competing demands for irrigation water: golf and agriculture in Spain. Irrigation and Drainage, 2007, 56, 541-549.	0.8	48
21	Microbiological Water Quality Requirements for Salad Irrigation in the United Kingdom. Journal of Food Protection, 2006, 69, 2029-2035.	0.8	47
22	Predicting and mapping the future demand for irrigation water in England and Wales. Agricultural Water Management, 2000, 43, 203-218.	2.4	46
23	Modelling impacts of precision irrigation on crop yield and in-field water management. Precision Agriculture, 2018, 19, 497-512.	3.1	45
24	Title is missing!. Nutrient Cycling in Agroecosystems, 2000, 58, 201-217.	1.1	43
25	Mapping the total volumetric irrigation water requirements in England and Wales. Agricultural Water Management, 1997, 33, 1-18.	2.4	41
26	A scale-based framework to understand the promises, pitfalls and paradoxes of irrigation efficiency to meet major water challenges. Global Environmental Change, 2020, 65, 102182.	3.6	40
27	Identifying opportunities to improve management of water stress in banana production. Scientia Horticulturae, 2021, 276, 109735.	1.7	40
28	Climate change impacts on water for irrigating paddy rice in South Korea. Irrigation and Drainage, 2011, 60, 263-273.	0.8	38
29	Mapping the financial benefits of sprinkler irrigation and potential financial impact of restrictions on abstraction: A case-study in Anglian Region. Journal of Environmental Management, 2000, 58, 45-59.	3.8	34
30	Development of a water-use strategy for horticulture in England and Wales – a case study. Journal of Horticultural Science and Biotechnology, 2010, 85, 89-93.	0.9	32
31	Developing UK farmers' institutional capacity to defend their water rights and effectively manage limited water resources. Irrigation and Drainage, 2008, 57, 322-331.	0.8	30
32	Multi-stakeholder analysis to improve agricultural water management policy and practice in Malta. Agricultural Water Management, 2020, 229, 105920.	2.4	29
33	Mapping the spatial distribution of volumetric irrigation water requirements for maincrop potatoes in England and Wales. Agricultural Water Management, 1996, 31, 1-15.	2.4	28
34	Water: Advanced Irrigation Technologies. , 2014, , 378-406.		28
35	Water-related challenges in nexus governance for sustainable development: Insights from the city of Arequipa, Peru. Science of the Total Environment, 2020, 747, 141114.	3.9	26
36	Title is missing!. Nutrient Cycling in Agroecosystems, 2000, 58, 179-199.	1.1	25

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37	Assessing Performance of Small-Scale Pumped Irrigation Systems in sub-Saharan Africa: Evidence from a Systematic Review. <i>Irrigation and Drainage</i> , 2016, 65, 308-318.	0.8	25
38	Developing a Strategy to Improve Irrigation Efficiency in a Temperate Climate. <i>Outlook on Agriculture</i> , 2009, 38, 303-309.	1.8	23
39	Title is missing!. <i>Nutrient Cycling in Agroecosystems</i> , 2000, 58, 161-177.	1.1	22
40	Water Savings in Irrigated Agriculture. <i>Outlook on Agriculture</i> , 2013, 42, 85-91.	1.8	22
41	Identifying Trade-Offs and Reconciling Competing Demands for Water: Integrating Agriculture Into a Robust Decision-Making Framework. <i>Earth's Future</i> , 2018, 6, 1457-1470.	2.4	22
42	Exploring the utility of drought indicators to assess climate risks to agricultural productivity in a humid climate. <i>Hydrology Research</i> , 2018, 49, 539-551.	1.1	21
43	WATER RELATIONS AND IRRIGATION REQUIREMENTS OF ONION (<i>ALLIUM CEPA L.</i>): A REVIEW OF YIELD AND QUALITY IMPACTS. <i>Experimental Agriculture</i> , 2015, 51, 210-231.	0.4	20
44	Using a crop/soil simulation model and GIS techniques to assess methane emissions from rice fields in Asia. IV. Upscaling to national levels. , 2000, , 201-217.		20
45	Managing irrigation under pressure: How supply chain demands and environmental objectives drive imbalance in agricultural resilience to water shortages. <i>Agricultural Water Management</i> , 2021, 243, 106484.	2.4	19
46	The economics of irrigating wheat in a humid climate – A study in the East of England. <i>Agricultural Systems</i> , 2015, 133, 97-108.	3.2	18
47	Reconciling irrigation demands for agricultural expansion with environmental sustainability - A preliminary assessment for the Ica Valley, Peru. <i>Journal of Cleaner Production</i> , 2020, 276, 123544.	4.6	18
48	Assessing future drought risks and wheat yield losses in England. <i>Agricultural and Forest Meteorology</i> , 2021, 297, 108248.	1.9	18
49	The Application of GIS to Irrigation Water Resource Management in England and Wales. <i>Geographical Journal</i> , 1999, 165, 90.	1.6	16
50	D-Risk: A decision-support webtool for improving drought risk management in irrigated agriculture. <i>Computers and Electronics in Agriculture</i> , 2019, 162, 855-858.	3.7	16
51	Simulating impacts of irrigation heterogeneity on onion (<i>Allium cepa L.</i>) yield in a humid climate. <i>Irrigation Science</i> , 2015, 33, 1-14.	1.3	15
52	Crop Coefficients, Growth Rates and Quality of Cool-Season Turfgrasses. <i>Journal of Agronomy and Crop Science</i> , 2016, 202, 69-80.	1.7	15
53	Essential irrigation and the economics of strawberries in a temperate climate. <i>Agricultural Water Management</i> , 2017, 194, 90-99.	2.4	15
54	Exploring Irrigation Futures. <i>Outlook on Agriculture</i> , 2015, 44, 119-126.	1.8	14

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55	A novel modelling toolkit for unpacking the Water-Energy-Food-Environment (WEFE) nexus of agricultural development. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 159, 112182.	8.2	14
56	The growth of trickle irrigation in England and Wales: data, regulation and water resource impacts. <i>Irrigation and Drainage</i> , 2005, 54, 135-143.	0.8	13
57	Assessing evidence on the agronomic and environmental impacts of turfgrass irrigation management. <i>Journal of Agronomy and Crop Science</i> , 2018, 204, 333-346.	1.7	13
58	Climate change impacts on rain-fed and irrigated rice yield in Malawi. <i>International Journal of Agricultural Sustainability</i> , 2015, 13, 87-103.	1.3	12
59	Resilience of Primary Food Production to a Changing Climate: On-Farm Responses to Water-Related Risks. <i>Water (Switzerland)</i> , 2020, 12, 2155.	1.2	12
60	BENCHMARKING IRRIGATION WATER USE IN GOLF COURSES – A CASE STUDY IN SPAIN. <i>Irrigation and Drainage</i> , 2011, 60, 381-392.	0.8	11
61	Assessing the performance of water user associations in the Gash Irrigation Project, Sudan. <i>Water International</i> , 2015, 40, 635-646.	0.4	11
62	Managing the Water Footprint of Irrigated Food Production in England and Wales. <i>Issues in Environmental Science and Technology</i> , 2010, , 78-92.	0.4	11
63	Assessing climate risks to UK agriculture. <i>Nature Climate Change</i> , 2012, 2, 378-378.	8.1	10
64	Estimating Evapotranspiration by Using Atmometers for Irrigation Scheduling in a Humid Environment. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2011, 137, 685-691.	0.6	9
65	Assessing Water Requirements for Irrigated Agriculture in Scotland. <i>Water International</i> , 2007, 32, 133-144.	0.4	8
66	Assessing the financial and environmental impacts of precision irrigation in a humid climate. <i>Zahradnictvi (Prague, Czech Republic: 1992)</i> , 2019, 46, 43-52.	0.3	8
67	Building adaptive capacity of smallholder agriculture to climate change: evidence synthesis on learning outcomes. <i>Environmental Research Communications</i> , 2021, 3, 122001.	0.9	7
68	A geospatial approach to assessing microbiological water quality risks associated with irrigation abstraction. <i>Water and Environment Journal</i> , 2011, 25, 282-289.	1.0	6
69	The challenges of developing an irrigation strategy for UK agriculture and horticulture in 2020: industry and research priorities. <i>CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources</i> , 0, , .	0.6	6
70	Priorities for sustainable turfgrass management: a research and industry perspective. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2012, 62, 3-9.	0.3	5
71	Scale impacts on spatial variability in reference evapotranspiration. <i>Hydrological Sciences Journal</i> , 2016, 61, 601-609.	1.2	5
72	Forecasting Changes in Agricultural Irrigation Demand to Support a Regional Integrated Water Resources Management Strategy. <i>Advances in Chemical Pollution, Environmental Management and Protection</i> , 2018, , 171-213.	0.3	5

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73	Developing a water strategy for sustainable irrigated agriculture in Mediterranean island communities – Insights from Malta. <i>Outlook on Agriculture</i> , 2019, 48, 143-151.	1.8	5
74	Evaluating the Feasibility of Water Sharing as a Drought Risk Management Tool for Irrigated Agriculture. <i>Sustainability</i> , 2021, 13, 1456.	1.6	5
75	Improving Soil and Water Management for Agriculture: Insights and Innovation from Malta. <i>MCAST Journal of Applied Research & Practice</i> , 2017, 1, 40-59.	0.1	5
76	Modeling irrigation and fertilizer use for chlorophyll production. <i>Grassland Science</i> , 2016, 62, 102-111.	0.6	4
77	Diffusion of small-scale pumped irrigation technologies and their association with farmer-led irrigation development in Malawi. <i>Water International</i> , 2021, 46, 397-416.	0.4	3
78	Redefining soil health. <i>Microbiology (United Kingdom)</i> , 2021, 167, .	0.7	3
79	Evaluating socio-economic and environmental factors influencing farm-level water scarcity in Punjab, Pakistan. <i>Irrigation and Drainage</i> , 2021, 70, 797-808.	0.8	3
80	Estimating Impacts of Land Use Change on Evapotranspiration for Three Agricultural Crops in Malta – A Preliminary Assessment. <i>Journal of Agricultural Science</i> , 2019, 11, 67.	0.1	2
81	Advances in irrigation management and technology in potato cultivation: experiences from a humid climate. <i>Burleigh Dodds Series in Agricultural Science</i> , 2018, , 69-88.	0.1	2
82	Peak Demands from Spray Irrigation. <i>Water and Environment Journal</i> , 1997, 11, 305-309.	1.0	1