John Hornbuckle

List of Publications by Year
in descending order

24 papers	737 citations	687335 13 h-index	752679 20 g-index
25 all docs	25 docs citations	25 times ranked	942 citing authors

#	Article	IF	Citations
1	Controlled drainage for improved water management in arid regions irrigated agriculture. Agricultural Water Management, 2006, 86, 128-139.	5.6	106
2	Preformed and sprayable polymeric mulch film to improve agricultural water use efficiency. Agricultural Water Management, 2016, 169, 1-13.	5.6	103
3	The NAFEâ€™06 data set: Towards soil moisture retrieval at intermediate resolution. Advances in Water Resources, 2008, 31, 1444-1455.	3.8	74
4	Using a mobile phone Short Messaging Service (SMS) for irrigation scheduling in Australia â€“ Farmersâ€™ participation and utility evaluation. Computers and Electronics in Agriculture, 2012, 84, 132-143.	7.7	60
5	Assessment of In-Season Cotton Nitrogen Status and Lint Yield Prediction from Unmanned Aerial System Imagery. Remote Sensing, 2017, 9, 1149.	4.0	56
6	Subsurface drainage design and management in irrigated areas of Australia. Irrigation Science, 2001, 21, 35-43.	2.8	53
7	Monitoring the Effects of Water Stress in Cotton using the Green Red Vegetation Index and Red Edge Ratio. Remote Sensing, 2019, 11, 873.	4.0	46
8	Irrigation management strategies to increase water productivity in Oryza sativa (rice) in Uruguay. Agricultural Water Management, 2019, 222, 161-172.	5.6	43
9	Evaluating a multi-level subsurface drainage system for improved drainage water quality. Agricultural Water Management, 2007, 89, 208-216.	5.6	37
10	Controlled water table management as a strategy for reducing salt loads from subsurface drainage under perennial agriculture in semi-arid Australia. Irrigation and Drainage Systems, 2005, 19, 145-159.	0.5	28
11	Using soil surface temperature to assess soil evaporation in a drip irrigated vineyard. Agricultural Water Management, 2013, 116, 128-141.	5.6	24
12	Effects of three frequencies of irrigation and nitrogen rates on lint yield, nitrogen use efficiency and fibre quality of cotton under furrow irrigation. Agricultural Water Management, 2021, 248, 106783.	5.6	24
13	Assessment of Aquatic Weed in Irrigation Channels Using UAV and Satellite Imagery. Water (Switzerland), 2018, 10, 1497.	2.7	15
14	Soil moisture forecasting for irrigation recommendation. IFAC-PapersOnLine, 2019, 52, 385-390.	0.9	11
15	Characterization of WiFi signal range for agricultural WSNs. , 2017, , .		10
16	IRRISENS: An IoT Platform Based on Microservices Applied in Commercial-Scale Crops Working in a Multi-Cloud Environment. Sensors, 2020, 20, 7163.	3.8	10
17	WiField, an IEEE 802.11-based agricultural sensor data gathering and logging platform. , 2017, , .		9
18	Blueâ€“green water utilization in riceâ€“fish cultivation towards sustainable food production. Ambio, 2022, 51, 1933-1948.	5.5	9

#	Article	IF	Citations
19	Multisensor Capacitance Probes for Simultaneously Monitoring Rice Field Soil-Water-Crop-Ambient Conditions. Sensors, 2018, 18, 53.	3.8	8
20	Analytical Solution for Drainflows from Bilevel Multiple-Drain Subsurface Drainage Systems. Journal of Irrigation and Drainage Engineering - ASCE, 2012, 138, 642-650.	1.0	4
21	A Method for comprehensively Assessing Economic Trade-Offs of New Irrigation Developments. Water Resources Management, 2016, 30, 4617-4634.	3.9	3
22	Effects of Frequency of Irrigation on Dry-Season Furrow-Irrigated Maize and Peanut Production in the Rice-Growing Lowlands of the Lower Mekong Basin. Agriculture (Switzerland), 2019, 9, 128.	3.1	2
23	Evaluating Strategies to Improve Water Availability and Lateral Root Growth of Plants Grown in the Rice-Growing Lowlands of the Lower Mekong Basin. Agronomy, 2021, 11, 1929.	3.0	1
24	A Cotton Irrigatorâ€™s Decision Support System and Benchmarking Tool Using National, Regional and Local Data. IFIP Advances in Information and Communication Technology, 2015, , 187-195.	0.7	0