Manuel Jimenez-Buendia

List of Publications by Year
in descending order

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22 papers	356 citations	840119 11 h-index	794141 19 g-index
22 all docs	22 docs citations	22 times ranked	450 citing authors

#	Article	IF	Citations
1	High-Density Wi-Fi Based Sensor Network for Efficient Irrigation Management in Precision Agriculture. Applied Sciences (Switzerland), 2021, 11, 1628.	1.3	9
2	Design of a Distributed Wireless Sensor Platform for Monitoring and Real-Time Communication of the Environmental Variables during the Supply Chain of Perishable Commodities. Applied Sciences (Switzerland), 2021, 11, 6183.	1.3	3
3	Intelligent thermal image-based sensor for affordable measurement of crop canopy temperature. Computers and Electronics in Agriculture, 2021, 188, 106319.	3.7	24
4	Robotic-Based Well-Being Monitoring and Coaching System for the Elderly in Their Daily Activities. Sensors, 2021, 21, 6865.	2.1	10
5	Segmentation of Multiple Tree Leaves Pictures with Natural Backgrounds using Deep Learning for Image-Based Agriculture Applications. Applied Sciences (Switzerland), 2020, 10, 202.	1.3	23
6	Design and Calibration of a Low-Cost SDI-12 Soil Moisture Sensor. Sensors, 2019, 19, 491.	2.1	66
7	Design and Deployment of a Wireless Sensor Network for the Mar Menor Coastal Observation System. IEEE Journal of Oceanic Engineering, 2017, 42, 966-976.	2.1	29
8	Cloud-based monitoring system for lysimetric and agroclimatic data. Precision Agriculture, 2017, 18, 1069-1084.	3.1	2
9	Weighing lysimetric system for the determination of the water balance during irrigation in potted plants. Agricultural Water Management, 2017, 183, 78-85.	2.4	20
10	Software for the automatic control of irrigation using weighing-drainage lysimeters. Agricultural Water Management, 2015, 151, 4-12.	2.4	23
11	Development and assessment of a network of water meters and rain gauges for determining the water balance. New SCADA monitoring software. Agricultural Water Management, 2015, 151, 93-102.	2.4	12
12	Development of an innovative low cost weighing lysimeter for potted plants: Application in lysimetric stations. Agricultural Water Management, 2015, 151, 103-113.	2.4	33
13	A tool for facilitating the teaching of smart home applications. Computer Applications in Engineering Education, 2014, 22, 178-186.	2.2	7
14	SCADA platform combined with a scale model of trickle irrigation system for agricultural engineering education. Computer Applications in Engineering Education, 2014, 22, 463-473.	2.2	9
15	SCADA Platform for Regulated Deficit Irrigation Management of Almond Trees. Journal of Irrigation and Drainage Engineering - ASCE, 2014, 140, 04014008.	0.6	9
16	A Graphical Modeling Language for Home Automation. IEEE Latin America Transactions, 2012, 10, 2249-2255.	1.2	0
17	New Programmable Electrofishing Device for Use in Aquaculture. North American Journal of Aquaculture, 2012, 74, 468-476.	0.7	0
18	VIPMET: New Real-Time Data Filteringâ€"Based Automatic Agricultural Weather Station. Journal of Irrigation and Drainage Engineering - ASCE, 2012, 138, 823-829.	0.6	5

#	Article	IF	Citations
19	RaGPS: A software application for determining extraterrestrial radiation in mobile devices with GPS. Computers and Electronics in Agriculture, 2011, 78, 116-121.	3.7	16
20	A framework for developing home automation systems: From requirements to code. Journal of Systems and Software, 2011, 84, 1008-1021.	3.3	24
21	LESSONS LEARNED IN APPLYING MDE TO THE DEVELOPMENT OF HOME AUTOMATION SYSTEMS. , 2011, , .		0
22	Habitation: A Domain-Specific Language for Home Automation. IEEE Software, 2009, 26, 30-38.	2.1	32