Miguel-Ãngel Zamora-Izquierdo

List of Publications by Year
in descending order

36 papers	1,897 citations	361413 20 h-index	454955 30 g-index
36 all docs	36 docs citations	36 times ranked	2170 citing authors

#	Article	IF	Citations
1	An internet of thingsâ€“based personal device for diabetes therapy management in ambient assisted living (AAL). Personal and Ubiquitous Computing, 2011, 15, 431-440.	2.8	239
2	Interconnection Framework for mHealth and Remote Monitoring Based on the Internet of Things. IEEE Journal on Selected Areas in Communications, 2013, 31, 47-65.	14.0	232
3	High-Integrity IMM-EKF-Based Road Vehicle Navigation With Low-Cost GPS/SBAS/INS. IEEE Transactions on Intelligent Transportation Systems, 2007, 8, 491-511.	8.0	175
4	Applicability of Big Data Techniques to Smart Cities Deployments. IEEE Transactions on Industrial Informatics, 2017, 13, 800-809.	11.3	121
5	IMM-Based Lane-Change Prediction in Highways With Low-Cost GPS/INS. IEEE Transactions on Intelligent Transportation Systems, 2009, 10, 180-185.	8.0	111
6	An Integral and Networked Home Automation Solution for Indoor Ambient Intelligence. IEEE Pervasive Computing, 2010, 9, 66-77.	1.3	109
7	How can We Tackle Energy Efficiency in IoT BasedSmart Buildings?. Sensors, 2014, 14, 9582-9614.	3.8	103
8	Mobile digcovery: discovering and interacting with the world through the Internet of things. Personal and Ubiquitous Computing, 2014, 18, 323-338.	2.8	74
9	Userâ€centric smart buildings for energy sustainable smart cities. Transactions on Emerging Telecommunications Technologies, 2014, 25, 41-55.	3.9	67
10	An indoor localization system based on artificial neural networks and particle filters applied to intelligent buildings. Neurocomputing, 2013, 122, 116-125.	5.9	57
11	Glowbal IP: An Adaptive and Transparent IPv6 Integration in the Internet of Things. Mobile Information Systems, 2012, 8, 177-197.	0.6	55
12	Drug identification and interaction checker based on IoT to minimize adverse drug reactions and improve drug compliance. Personal and Ubiquitous Computing, 2014, 18, 5-17.	2.8	50
13	An analysis of communication and navigation issues in collision avoidance support systems. Transportation Research Part C: Emerging Technologies, 2010, 18, 351-366.	7.6	48
14	Utility of Big Data in Predicting Short-Term Blood Glucose Levels in Type 1 Diabetes Mellitus Through Machine Learning Techniques. Sensors, 2019, 19, 4482.	3.8	48
15	A Low-Cost Indoor Localization System for Energy Sustainability in Smart Buildings. IEEE Sensors Journal, 2016, 16, 3246-3262.	4.7	46
16	HWSN6: Hospital Wireless Sensor Networks Based on 6LoWPAN Technology: Mobility and Fault Tolerance Management. , 2009, , .		42
17	Collision avoidance support in roads with lateral and longitudinal maneuver prediction by fusing GPS/IMU and digital maps. Transportation Research Part C: Emerging Technologies, 2010, 18, 611-625.	7.6	42
18	Telematic platform for integral management of agricultural/perishable goods in terrestrial logistics. Computers and Electronics in Agriculture, 2012, 80, 31-40.	7.7	33

#	Article	IF	Citations
19	Towards an ICT-Based Platform for Type 1 Diabetes Mellitus Management. Applied Sciences (Switzerland), 2018, 8, 511.	2.5	27
20	On the Possibility of Predicting Glycaemia â€˜On the Flyâ€™ with Constrained IoT Devices in Type 1 Diabetes Mellitus Patients.. Sensors, 2019, 19, 4538.	3.8	25
21	Mobile IP-Based Protocol for Wireless Personal Area Networks in Critical Environments. Wireless Personal Communications, 2011, 61, 711-737.	2.7	24
22	An ontology and rule based intelligent information system to detect and predict myocardial diseases. , 2009, , .		22
23	Variables to Be Monitored via Biomedical Sensors for Complete Type 1 Diabetes Mellitus Management: An Extension of the â€œOn-Boardâ€•Concept. Journal of Diabetes Research, 2018, 2018, 1-14.	2.3	20
24	Intra-mobility for Hospital Wireless Sensor Networks Based on 6LoWPAN. , 2010, , .		18
25	An IoT based framework for user-centric smart building services. International Journal of Web and Grid Services, 2015, 11, 78.	0.5	17
26	A holistic IoT-based management platform for smart environments. , 2014, , .		15
27	A Comparison of Different Models of Glycemia Dynamics for Improved Type 1 Diabetes Mellitus Management with Advanced Intelligent Analysis in an Internet of Things Context. Applied Sciences (Switzerland), 2020, 10, 4381.	2.5	13
28	An Indoor Localization Mechanism Based on RFID and IR Data in Ambient Intelligent Environments. , 2012, , .		12
29	Lightweight MIPv6 with IPSec Support. Mobile Information Systems, 2014, 10, 37-77.	0.6	12
30	An application of a fuzzy classifier extracted from data for collision avoidance support in road vehicles. Engineering Applications of Artificial Intelligence, 2013, 26, 173-183.	8.1	11
31	Feature Selection for Blood Glucose Level Prediction in Type 1 Diabetes Mellitus by Using the Sequential Input Selection Algorithm (SISAL). Symmetry, 2019, 11, 1164.	2.2	11
32	Commissioning of the Controlled and Automatized Testing Facility for Human Behavior and Control (CASITA). Sensors, 2018, 18, 2829.	3.8	8
33	Conceptualisation of an IoT Framework for Multi-Person Interaction with Conditioning Systems. Energies, 2020, 13, 3094.	3.1	4
34	MEC-based architecture for interoperable and trustworthy internet of moving things. Digital Communications and Networks, 2022, , .	5.0	3
35	Oxygen Cylinders Management Architecture Based on Internet of Things. , 2011, , .		2
36	Nomograms for de-complexing the dimensioning of off-grid PV systems. Renewable Energy, 2020, 161, 162-172.	8.9	1