Paul Havinga

List of Publications by Citations

26 papers	1,663 citations	12 h-index	30 g-index
30 ext. papers	2,003 ext. citations	5.1 avg, IF	4.82 L-index

#	Paper	IF	Citations
26	Outlier Detection Techniques for Wireless Sensor Networks: A Survey. *IEEE Communications Surveys and Tutorials*, **2010**, 12, 159-170	37.1	436
25	A survey of online activity recognition using mobile phones. *Sensors*, **2015**, 15, 2059-85	3.8	313
24	Fusion of smartphone motion sensors for physical activity recognition. *Sensors*, **2014**, 14, 10146-76	3.8	275
23	Complex Human Activity Recognition Using Smartphone and Wrist-Worn Motion Sensors. *Sensors*, **2016**, 16, 426	3.8	210
22	MC-LMAC: A multi-channel MAC protocol for wireless sensor networks. *Ad Hoc Networks*, **2011**, 9, 73-94	4.8	126
21	Adaptive and Online One-Class Support Vector Machine-Based Outlier Detection Techniques for Wireless Sensor Networks **2009**,		59
20	Wireless Industrial Monitoring and Control Networks: The Journey So Far and the Road Ahead. *Journal of Sensor and Actuator Networks*, **2012**, 1, 123-152	3.8	55
19	A new wireless underground network system for continuous monitoring of soil water contents. *Water Resources Research*, **2009**, 45,	5.4	42
18	Implementation of WirelessHART in the NS-2 simulator and validation of its correctness. *Sensors*, **2014**, 14, 8633-68	3.8	31
17	EquiMoves: A Wireless Networked Inertial Measurement System for Objective Examination of Horse Gait. *Sensors*, **2018**, 18,	3.8	23
16	An online outlier detection technique for wireless sensor networks using unsupervised quarter-sphere support vector machine **2008**,		20
15	D-MSR: a distributed network management scheme for real-time monitoring and process control applications in wireless industrial automation. *Sensors*, **2013**, 13, 8239-84	3.8	16
14	SmokeSense: Online Activity Recognition Framework on Smartwatches. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2018**, 106-124	0.2	9
13	Evaluation of DECT-ULE for robust communication in dense wireless sensor networks **2012**,		9
12	Implementation of WirelessHART in NS-2 simulator **2012**,		7
11	Resource consumption analysis of online activity recognition on mobile phones and smartwatches **2017**,		5
10	Inferring Human Activity Recognition with Ambient Sound on Wireless Sensor Nodes. *Sensors*, **2016**, 16,	3.8	5

List of Publications

9	Using Different Combinations of Body-Mounted IMU Sensors to Estimate Speed of Horses-A Machine Learning Approach. *Sensors*, **2021**, 21,	3.8	4
8	A distributed management scheme for supporting energy-harvested I/O devices **2014**,		3
7	Ideas on node mobility support in schedule-based medium access **2008**,		3
6	Efficient I/O joining and reliable data publication in energy harvested ISA100.11a network **2015**,		2
5	Unified routing for data dissemination in smart city networks **2012**,		2
4	Wireless Sensor Network for Helicopter Rotor Blade Vibration Monitoring: Requirements Definition and Technological Aspects. *Key Engineering Materials*, **2013**, 569-570, 775-782	0.4	2
3	Threat Modeling-How to Visualize Attacks on IOTA?. *Sensors*, **2021**, 21,	3.8	2
2	ISA100.11a*: The ISA100.11a extension for supporting energy-harvested I/O devices **2014**,		1
1	Security and dependability for Ambient Intelligence: Informative but busy. *Journal of Ambient Intelligence and Smart Environments*, **2011**, 3, 373-374	2.2	