

Thinagaran Perumal

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

46
papers

445
citations

13
h-index

20
g-index

73
ext. papers

619
ext. citations

3.2
avg. IF

4.17
L-index

#	Paper	IF	Citations
46	Internet of Things (IoT) enabled water monitoring system 2015 ,		59
45	Human Activity Recognition With Smartphone and Wearable Sensors Using Deep Learning Techniques: A Review. <i>IEEE Sensors Journal</i> , 2021 , 21, 13029-13040	4	39
44	Interoperability framework for smart home systems. <i>IEEE Transactions on Consumer Electronics</i> , 2011 , 57, 1607-1611	4.8	37
43	A rule-based framework for heterogeneous subsystems management in smart home environment. <i>IEEE Transactions on Consumer Electronics</i> , 2009 , 55, 1208-1213	4.8	32
42	Design and implementation of SOAP-based residential management for smart home systems. <i>IEEE Transactions on Consumer Electronics</i> , 2008 , 54, 453-459	4.8	22
41	Improving Anomalous Rare Attack Detection Rate for Intrusion Detection System Using Support Vector Machine and Genetic Programming. <i>Neural Processing Letters</i> , 2016 , 44, 279-290	2.4	20
40	Middleware for heterogeneous subsystems interoperability in intelligent buildings. <i>Automation in Construction</i> , 2010 , 19, 160-168	9.6	19
39	Interoperability among Heterogeneous Systems in Smart Home Environment 2008 ,		19
38	ECA-based interoperability framework for intelligent building. <i>Automation in Construction</i> , 2013 , 31, 274-280	9.6	18
37	IoT device management framework for smart home scenarios 2015 ,		17
36	Activity recognition based on accelerometer sensor using combinational classifiers 2015 ,		17
35	A Survey of Decision-Theoretic Models for Cognitive Internet of Things (CIoT). <i>IEEE Access</i> , 2018 , 6, 22489-22516	3.3	16
34	Feature Selection Optimization using Hybrid Relief-f with Self-adaptive Differential Evolution. <i>International Journal of Intelligent Engineering and Systems</i> , 2017 , 10, 21-29	1.6	15
33	Proactive architecture for Internet of Things (IoT) management in smart homes 2014 ,		11
32	A new classification model for a class imbalanced data set using genetic programming and support vector machines: case study for wilt disease classification. <i>Remote Sensing Letters</i> , 2015 , 6, 568-577	2.3	10
31	IoT based activity recognition among smart home residents 2017 ,		9
30	Monitoring daily fitness activity using accelerometer sensor fusion 2017 ,		8

29	Naive Bayesian decision model for the interoperability of heterogeneous systems in an intelligent building environment. <i>Automation in Construction</i> , 2015 , 54, 83-92	9.6	7
28	Multi Label Classification on Multi Resident in Smart Home Using Classifier Chains. <i>Advanced Science Letters</i> , 2018 , 24, 1316-1319	0.1	6
27	Multi-resident activity recognition using label combination approach in smart home environment 2017 ,		5
26	Modeling activity recognition of multi resident using label combination of multi label classification in smart home 2017 ,		5
25	HMM-Based Decision Model for Smart Home Environment. <i>International Journal of Smart Home</i> , 2014 , 8, 129-138	0	5
24	Internet of Things (IoT) Based Activity Recognition Strategies in Smart Homes: A Review. <i>IEEE Sensors Journal</i> , 2022 , 1-1	4	5
23	Sustainability in intelligent building environments using weighted priority scheduling algorithm. <i>Journal of Ambient Intelligence and Smart Environments</i> , 2017 , 9, 689-705	2.2	4
22	Single classifier, OvO, OVA and RCC multiclass classification method in handheld based smartphone gait identification 2017 ,		4
21	Sequential neural networks for multi-resident activity recognition in ambient sensing smart homes. <i>Applied Intelligence</i> , 2021 , 51, 6014-6028	4.9	4
20	Enabling Indoor Localization With Internet of Things (IoT) 2018 ,		4
19	Internet of Things (IoT)-based aquaculture: An overview of IoT application on water quality monitoring. <i>Reviews in Aquaculture</i> ,	8.9	3
18	Fall Detection Framework for Smart Home 2018 ,		3
17	Conflict resolution using enhanced label combination method for complex activity recognition in smart home environment 2017 ,		2
16	Mobile charging and data gathering in multiple sink Wireless Sensor Networks: How and why 2017 ,		2
15	SOA-Based Framework for Home and Building Automation Systems (HBAS). <i>International Journal of Smart Home</i> , 2014 , 8, 197-206	0	2
14	Recognizing Complex Human Activities using Hybrid Feature Selections based on an Accelerometer Sensor 2017 , 8, 968		2
13	The Impact of Memory-Efficient Bots on IoT-WSN Botnet Propagation. <i>Wireless Personal Communications</i> , 2021 , 119, 2093-2105	1.9	2
12	Making Buildings Smarter and Energy-Efficient Using the Internet of Things Platform. <i>IEEE Consumer Electronics Magazine</i> , 2021 , 10, 34-41	3.2	2

11	Rule-based conflict resolution framework for Internet of Things device management in smart home environment 2016 ,		2
10	Random k-Labelsets Method for Human Activity Recognition with Multi-Sensor Data in Smart Home 2019 ,		2
9	Binary Relevance Model for Activity Recognition in Home Environment using Ambient Sensors 2019 ,		2
8	Fuzzy logic predictive method for indoor environment parametric dataset 2017 ,		1
7	Aerial Imagery Paddy Seedlings Inspection Using Deep Learning. <i>Remote Sensing</i> , 2022 , 14, 274	5	1
6	Time dependent network resource optimization in cyberphysical systems using game theory. <i>Computer Communications</i> , 2021 , 176, 1-12	5.1	1
5	Real Time Human Fall Detection Using Accelerometer and IoT. <i>Lecture Notes in Electrical Engineering</i> , 2019 , 635-639		0.2
4	Hybrid Relief-f Differential Evolution Feature Selection for Accelerometer Actions. <i>Advanced Science Letters</i> , 2018 , 24, 1168-1171		0.1
3	CoAP-Based Lightweight Interoperability Semantic Sensor and Actuator Ontology for IoT Ecosystem. <i>International Journal of Ambient Computing and Intelligence</i> , 2021 , 12, 92-110		2.7
2	Adaptive Profiling Model for Multiple Residents Activity Recognition Analysis Using Spatio-temporal Information in Smart Home. <i>Lecture Notes in Electrical Engineering</i> , 2022 , 789-802		0.2
1	Economic Feasibility Studies of Simple and Discounted Payback Periods for 1 MWp Ground Mounted Solar PV Plant at Tirupati Airport 2022 , 59-73		