Thinagaran Perumal

List of Publications by Year in Descending Order

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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	Aerial Imagery Paddy Seedlings Inspection Using Deep Learning. *Remote Sensing*, **2022**, 14, 274	5	1
45	Adaptive Profiling Model for Multiple Residents Activity Recognition Analysis Using Spatio-temporal Information in Smart Home. *Lecture Notes in Electrical Engineering*, **2022**, 789-802	0.2	
44	Internet of Things (IoT) Based Activity Recognition Strategies in Smart Homes: A Review. *IEEE Sensors Journal*, **2022**, 1-1	4	5
43	Economic Feasibility Studies of Simple and Discounted Payback Periods for 1 MWp Ground Mounted Solar PV Plant at Tirupati Airport **2022**, 59-73		
42	The Impact of Memory-Efficient Bots on IoT-WSN Botnet Propagation. *Wireless Personal Communications*, **2021**, 119, 2093-2105	1.9	2
41	CoAP-Based Lightweight Interoperability Semantic Sensor and Actuator Ontology for IoT Ecosystem. *International Journal of Ambient Computing and Intelligence*, **2021**, 12, 92-110	2.7	
40	Making Buildings Smarter and Energy-Efficient Using the Internet of Things Platform. *IEEE Consumer Electronics Magazine*, **2021**, 10, 34-41	3.2	2
39	Human Activity Recognition With Smartphone and Wearable Sensors Using Deep Learning Techniques: A Review. *IEEE Sensors Journal*, **2021**, 21, 13029-13040	4	39
38	Sequential neural networks for multi-resident activity recognition in ambient sensing smart homes. *Applied Intelligence*, **2021**, 51, 6014-6028	4.9	4
37	Time dependent network resource optimization in cyber physical systems using game theory. *Computer Communications*, **2021**, 176, 1-12	5.1	1
36	Real Time Human Fall Detection Using Accelerometer and IoT. *Lecture Notes in Electrical Engineering*, **2019**, 635-639	0.2	
35	Random k-Labelsets Method for Human Activity Recognition with Multi-Sensor Data in Smart Home **2019**,		2
34	Binary Relevance Model for Activity Recognition in Home Environment using Ambient Sensors **2019** ,		2
33	A Survey of Decision-Theoretic Models for Cognitive Internet of Things (CIoT). *IEEE Access*, **2018**, 6, 22489-22512	3.5	26
32	Multi Label Classification on Multi Resident in Smart Home Using Classifier Chains. *Advanced Science Letters*, **2018**, 24, 1316-1319	0.1	6
31	Hybrid Relief-f Differential Evolution Feature Selection for Accelerometer Actions. *Advanced Science Letters*, **2018**, 24, 1168-1171	0.1	
30	Fall Detection Framework for Smart Home **2018**,		3

29	Enabling Indoor Localization With Internet of Things (IoT) **2018**,		4
28	Monitoring daily fitness activity using accelerometer sensor fusion **2017**,		8
27	Fuzzy logic predictive method for indoor environment parametric dataset **2017**,		1
26	Multi-resident activity recognition using label combination approach in smart home environment **2017**,		5
25	Modeling activity recognition of multi resident using label combination of multi label classification in smart home **2017**,		5
24	Sustainability in intelligent building environments using weighted priority scheduling algorithm. *Journal of Ambient Intelligence and Smart Environments*, **2017**, 9, 689-705	2.2	4
23	Conflict resolution using enhanced label combination method for complex activity recognition in smart home environment **2017**,		2
22	IoT based activity recognition among smart home residents **2017**,		9
21	Mobile charging and data gathering in multiple sink Wireless Sensor Networks: How and why **2017**,		2
20	Single classifier, OvO, OvA and RCC multiclass classification method in handheld based smartphone gait identification **2017**,		4
19	Recognizing Complex Human Activities using Hybrid Feature Selections based on an Accelerometer Sensor **2017**, 8, 968		2
18	Feature Selection Optimization using Hybrid Relief-f with Self-adaptive Differential Evolution. *International Journal of Intelligent Engineering and Systems*, **2017**, 10, 21-29	1.6	15
17	Improving Anomalous Rare Attack Detection Rate for Intrusion Detection System Using Support Vector Machine and Genetic Programming. *Neural Processing Letters*, **2016**, 44, 279-290	2.4	20
16	Rule-based conflict resolution framework for Internet of Things device management in smart home environment **2016**,		2
15	Naive Bayesian decision model for the interoperability of heterogeneous systems in an intelligent building environment. *Automation in Construction*, **2015**, 54, 83-92	9.6	7
14	A new classification model for a class imbalanced data set using genetic programming and support vector machines: case study for wilt disease classification. *Remote Sensing Letters*, **2015**, 6, 568-577	2.3	10
13	Internet of Things (IoT) enabled water monitoring system **2015**,		59
12	IoT device management framework for smart home scenarios **2015**,		17

11	Activity recognition based on accelerometer sensor using combinational classifiers **2015**,		17
10	Proactive architecture for Internet of Things (IoTs) management in smart homes **2014**,		11
9	HMM-Based Decision Model for Smart Home Environment. *International Journal of Smart Home*, **2014**, 8, 129-138	0	5
8	SOA-Based Framework for Home and Building Automation Systems (HBAS). *International Journal of Smart Home*, **2014**, 8, 197-206	0	2
7	ECA-based interoperability framework for intelligent building. *Automation in Construction*, **2013**, 31, 274-280	9.6	18
6	Interoperability framework for smart home systems. *IEEE Transactions on Consumer Electronics*, **2011**, 57, 1607-1611	4.8	37
5	Middleware for heterogeneous subsystems interoperability in intelligent buildings. *Automation in Construction*, **2010**, 19, 160-168	9.6	19
4	A rule-based framework for heterogeneous subsystems management in smart home environment. *IEEE Transactions on Consumer Electronics*, **2009**, 55, 1208-1213	4.8	32
3	Design and implementation of SOAP-based residential management for smart home systems. *IEEE Transactions on Consumer Electronics*, **2008**, 54, 453-459	4.8	22
2	Interoperability among Heterogeneous Systems in Smart Home Environment **2008**,		19
1	Internet of Things (IoT)-based aquaculture: An overview of IoT application on water quality monitoring. *Reviews in Aquaculture*,	8.9	3