Nagender Kumar Suryadevara

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.

51 papers	1,836 citations	17 h-index	42 g-index
56 ext. papers	2,195 ext. citations	2 avg, IF	5.55 L-index

#	Paper	IF	Citations
51	Towards the Implementation of IoT for Environmental Condition Monitoring in Homes. *IEEE Sensors Journal*, **2013**, 13, 3846-3853	4	460
50	Wireless Sensor Network Based Home Monitoring System for Wellness Determination of Elderly. *IEEE Sensors Journal*, **2012**, 12, 1965-1972	4	242
49	WSN- and IOT-Based Smart Homes and Their Extension to Smart Buildings. *Sensors*, **2015**, 15, 10350-79	3.8	209
48	Forecasting the behavior of an elderly using wireless sensors data in a smart home. *Engineering Applications of Artificial Intelligence*, **2013**, 26, 2641-2652	7.2	179
47	WSN-Based Smart Sensors and Actuator for Power Management in Intelligent Buildings. *IEEE/ASME Transactions on Mechatronics*, **2015**, 20, 564-571	5.5	110
46	Wireless sensors network based safe home to care elderly people: Behaviour detection. *Sensors and Actuators A: Physical*, **2012**, 186, 277-283	3.9	87
45	Determining Wellness through an Ambient Assisted Living Environment. *IEEE Intelligent Systems*, **2014**, 29, 30-37	4.2	77
44	Smart Sensors and Internet of Things: A Postgraduate Paper. *IEEE Sensors Journal*, **2017**, 17, 577-584	4	55
43	Internet of Things: Challenges and Opportunities. *Smart Sensors, Measurement and Instrumentation*, **2014**, 1-17	0.3	54
42	Intelligent Sensing Systems for Measuring Wellness Indices of the Daily Activities for the Elderly **2012**,		27
41	Towards the smart sensors based human emotion recognition **2012**,		24
40	Smart Homes. *Smart Sensors, Measurement and Instrumentation*, **2015**,	0.3	22
39	Sensor data fusion to determine wellness of an elderly in intelligent home monitoring environment **2012**,		19
38	Smart Plugs: Paradigms and Applications in the Smart City-and-Smart Grid. *Energies*, **2019**, 12, 1957	3.1	18
37	Reliable measurement of Wireless Sensor Network data for forecasting wellness of elderly at smart home **2013**,		18
36	Wireless Sensors Network Based Safe Home to Care Elderly People: Behaviour Detection. *Procedia Engineering*, **2011**, 25, 96-99		18
35	Serverless Management of Sensing Systems for Fog Computing Framework. *IEEE Sensors Journal*, **2020**, 20, 1564-1572	4	17

34	Smart Power monitoring system using wireless sensor networks **2012**,		15
33	Artificial Intelligence-based Sensors for Next Generation IoT Applications: A Review. *IEEE Sensors Journal*, **2021**, 1-1	4	15
32	Ambient Assisted Living Environment Towards Internet of Things Using Multifarious Sensors Integrated with XBee Platform. *Smart Sensors, Measurement and Instrumentation*, **2014**, 217-231	0.3	14
31	Applying SARIMA time series to forecast sleeping activity for wellness model of elderly monitoring in smart home **2012**,		13
30	Wellness determination of inhabitant based on daily activity behaviour in real-time monitoring using Sensor Networks **2011**,		10
29	SHARING RESEARCH EXPERIENCES OF WSN BASED SMART HOME. *International Journal on Smart Sensing and Intelligent Systems*, **2014**, 7, 1997-2013	0.4	10
28	COVID-19, Sensors, and Internet of Medical Things (IoMT). *SpringerBriefs in Applied Sciences and Technology*, **2021**, 39-53	0.4	10
27	Wireless sensors network based safe home to care elderly people: A realistic approach **2011**,		9
26	Are Technologies Assisted Homes Safer for the Elderly?. *Smart Sensors, Measurement and Instrumentation*, **2013**, 51-68	0.3	9
25	Towards a smart non-invasive fluid loss measurement system. *Journal of Medical Systems*, **2015**, 39, 206	5.1	8
24	Internet of Things and Sensor Network for COVID-19. *SpringerBriefs in Applied Sciences and Technology*, **2021**,	0.4	8
23	WSN based utility System for effective monitoring and control of household power consumption **2014**,		7
22	Ambient assisted living framework for elderly wellness determination through wireless sensor scalar data **2013**,		7
21	Development and Progress in Sensors and Technologies for Human Emotion Recognition. *Sensors*, **2021**, 21,	3.8	7
20	**2014**,		6
19	Comparison of applying sleep mode function to the smart wireless environmental sensing stations for extending the life time **2012**,		6
18	Energy and latency reductions at the fog gateway using a machine learning classifier. *Sustainable Computing: Informatics and Systems*, **2021**, 31, 100582	3	6
17	Secured multimedia authentication system for wireless sensor network data related to Internet of Things **2013**,		5

16	Face Mask Detection at the Fog Computing Gateway		5
15	An intelligent system for continuous monitoring of wellness of an inhabitant for sustainable future **2014**,		3
14	Smart Sensing System for Human Emotion and Behaviour Recognition. *Lecture Notes in Computer Science*, **2012**, 11-22	0.9	3
13	COVID-19: Challenges and Advisory. *SpringerBriefs in Applied Sciences and Technology*, **2021**, 1-17	0.4	3
12	Advances in Sensor Technology and IoT Framework to Mitigate COVID-19 Challenges. *SpringerBriefs in Applied Sciences and Technology*, **2021**, 55-82	0.4	3
11	Wireless Sensor Sequence Data Model for Smart Home and IoT Data Analytics. *Advances in Intelligent Systems and Computing*, **2017**, 441-447	0.4	2
10	Smart Home Related Research. *Smart Sensors, Measurement and Instrumentation*, **2015**, 11-51	0.3	2
9	ADLs Recognition of an Elderly Person and Wellness Determination. *Smart Sensors, Measurement and Instrumentation*, **2015**, 111-137	0.3	2
8	Forecasting the Behaviour of an Elderly Person Using WSN Data. *Smart Sensors, Measurement and Instrumentation*, **2015**, 139-157	0.3	2
7	Face Recognition in the Fog Cluster Computing **2019**,		2
6	Design and Deployment of WSN in a Home Environment and Real-Time Data Fusion. *Smart Sensors, Measurement and Instrumentation*, **2015**, 53-110	0.3	1
5	A Smart Home Assistive Living Framework Using Fog Computing for Audio and Lighting Stimulation. *Learning and Analytics in Intelligent Systems*, **2020**, 366-375	0.3	1
4	IoT and Sensor Network. *SpringerBriefs in Applied Sciences and Technology*, **2021**, 19-37	0.4	1
3	Special Issue on Smart Environments and Healthcare. *Applied Sciences (Switzerland)*, **2019**, 9, 1307	2.6	0
2	Edge computing for visitor identification using eigenfaces in an assisted living environment **2020**, 235-248		
1	Future Possible Applications. *SpringerBriefs in Applied Sciences and Technology*, **2021**, 83-91	0.4	