

Suparna Biswas

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

341
citations

1040056

9
h-index

996975

15
g-index

45
all docs

45
docs citations

45
times ranked

196
citing authors

#	ARTICLE	IF	CITATIONS
1	Smartphone based human activity monitoring and recognition using ML and DL: a comprehensive survey. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2020, 11, 5433-5444.	4.9	37
2	Trust based energy efficient detection and avoidance of black hole attack to ensure secure routing in MANET. , 2014, , .		34
3	An Ensemble of Condition Based Classifiers for Device Independent Detailed Human Activity Recognition Using Smartphones â€. <i>Information (Switzerland)</i> , 2018, 9, 94.	2.9	30
4	ConvAE-LSTM: Convolutional Autoencoder Long Short-Term Memory Network for Smartphone-Based Human Activity Recognition. <i>IEEE Access</i> , 2022, 10, 4137-4156.	4.2	28
5	A Working Prototype Using DS18B20 Temperature Sensor and Arduino for Health Monitoring. <i>SN Computer Science</i> , 2021, 2, 33.	3.6	22
6	Feature fusion using deep learning for smartphone based human activity recognition. <i>International Journal of Information Technology (Singapore)</i> , 2021, 13, 1615-1624.	2.7	17
7	An Integration of feature extraction and Guided Regularized Random Forest feature selection for Smartphone based Human Activity Recognition. <i>Journal of Network and Computer Applications</i> , 2022, 204, 103417.	9.1	17
8	Review of Machine Learning and Deep Learning Based Recommender Systems for Health Informatics. <i>Studies in Big Data</i> , 2020, , 101-126.	1.1	13
9	Design and Implementation of Routing Algorithm to Enhance Network Lifetime in WBAN. <i>Wireless Personal Communications</i> , 2021, 118, 961-998.	2.7	12
10	MHRP: A novel mobility handling routing protocol in Wireless Body Area Network. , 2017, , .		11
11	Performance evaluation of energy efficient routing with or without relay in medical body sensor network. <i>Health and Technology</i> , 2019, 9, 805-815.	3.6	11
12	A priority based routing protocol with extensive survey and comparison of related works for healthcare applications using WBAN. , 2017, , .		10
13	Smart walking assistant (SWA) for elderly care using an intelligent realtime hybrid model. <i>Evolving Systems</i> , 2022, 13, 265-279.	3.9	10
14	On Development of MySignals based prototype for application in health vitals monitoring. <i>Wireless Personal Communications</i> , 2022, 122, 1599-1616.	2.7	9
15	Secure checkpointing-recovery using trusted nodes in MANET. , 2013, , .		7
16	Analytical Study on Data Transmission in WBAN With User Mobility Support. , 2018, , .		6
17	Priority based IEEE 802.15.4 MAC by varying GTS to satisfy heterogeneous traffic in healthcare application. <i>Wireless Networks</i> , 2020, 26, 2287-2304.	3.0	6
18	A Hybrid Model based on mBA-ANFIS for COVID-19 Confirmed Cases Prediction and Forecast. <i>Journal of the Institution of Engineers (India): Series B</i> , 2021, 102, 1123-1136.	1.9	6

#	ARTICLE	IF	CITATIONS
19	Mathematical modelling for decision making of lockdown during COVID-19. Applied Intelligence, 2022, 52, 699-715.	5.3	6
20	Guided regularized random forest feature selection for smartphone based human activity recognition. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 9767-9779.	4.9	6
21	Trusted checkpointing based on ant colony optimization in MANET. , 2012, , .		4
22	IoT-based location-aware smart healthcare framework with user mobility support in normal and emergency scenario: a comprehensive survey. , 2021, , 137-161.		4
23	Design of An Optimised, Low Cost, Contactless Thermometer with Distance Compensation for Rapid Body Temperature Scanning. Lecture Notes in Electrical Engineering, 2022, , 503-511.	0.4	4
24	Attention-Based Deep Learning Framework for Hemiplegic Gait Prediction With Smartphone Sensors. IEEE Sensors Journal, 2022, 22, 11979-11988.	4.7	4
25	Sink Mobility-Based Energy Efficient Routing Algorithm Variants in WSN. International Journal of Wireless Information Networks, 2022, 29, 373-392.	2.7	4
26	A framework for monitoring of depression patient using WBAN. , 2016, , .		3
27	A Novel Human Activity Recognition Strategy Using Extreme Learning Machine Algorithm for Smart Health. Advances in Intelligent Systems and Computing, 2021, , 215-222.	0.6	3
28	On Application of a Positioning System Using Photosensors with User Mobility Support in HealthCare System. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2023, 93, 121-133.	1.2	3
29	Online Change Point Detection in Application With Transition-Aware Activity Recognition. IEEE Transactions on Human-Machine Systems, 2022, 52, 1176-1185.	3.5	3
30	A handoff based checkpointing and failure recovery scheme in mobile computing system. , 2011, , .		2
31	Posture detection using WBAN and its application in remote healthcare monitoring. , 2016, , .		2
32	Designing device independent two-phase activity recognition framework for smartphones. , 2017, , .		2
33	On Fall Detection Using Smartphone Sensors. , 2018, , .		2
34	Patient monitoring framework for smart home using smart handhelds. , 2017, , .		1
35	FDRF: Fault Detection and Recovery Framework for Seamless Data Transmission in Remote Health Monitoring Using WBAN. Wireless Personal Communications, 2022, 123, 325-356.	2.7	1
36	Ontology-based intelligent decision support systems: A systematic approach. , 2021, , 177-193.		0

#	ARTICLE	IF	CITATIONS
37	Smartphone and Sensor based Health Monitoring Enabled with IoT and ML. , 2020, , .		0
38	Design and Implementation of Centrality Approach-Based Energy Efficient Routing in Wireless Sensor Network. Advances in Intelligent Systems and Computing, 2022, , 355-368.	0.6	0
39	Smartphone-Based Human Activity Pattern Identification Using Unsupervised Learning. Lecture Notes in Networks and Systems, 2022, , 549-559.	0.7	0