Suparna Biswas

List of Publications by Year
in descending order

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	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
2	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
3	Smart walking assistant (SWA) for elderly care using an intelligent realtime hybrid model. Evolving Systems, 2022, 13, 265-279.	3.9	10
4	Mathematical modelling for decision making of lockdown during COVID-19. Applied Intelligence, 2022, 52, 699-715.	5.3	6
5	On Development of MySignals based prototype for application in health vitals monitoring. Wireless Personal Communications, 2022, 122, 1599-1616.	2.7	9
6	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
7	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
8	Smartphone-Based Human Activity Pattern Identification Using Unsupervised Learning. Lecture Notes in Networks and Systems, 2022, , 549-559.	0.7	0
9	ConvAE-LSTM: Convolutional Autoencoder Long Short-Term Memory Network for Smartphone-Based Human Activity Recognition. IEEE Access, 2022, 10, 4137-4156.	4.2	28
10	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
11	Attention-Based Deep Learning Framework for Hemiplegic Gait Prediction With Smartphone Sensors. IEEE Sensors Journal, 2022, 22, 11979-11988.	4.7	4
12	An Integration of feature extraction and Guided Regularized Random Forest feature selection for Smartphone based Human Activity Recognition. Journal of Network and Computer Applications, 2022, 204, 103417.	9.1	17
13	Sink Mobility-Based Energy Efficient Routing Algorithm Variants in WSN. International Journal of Wireless Information Networks, 2022, 29, 373-392.	2.7	4
14	Online Change Point Detection in Application With Transition-Aware Activity Recognition. IEEE Transactions on Human-Machine Systems, 2022, 52, 1176-1185.	3.5	3
15	IoT-based location-aware smart healthcare framework with user mobility support in normal and emergency scenario: a comprehensive survey. , 2021, , 137-161.		4
16	A Hybrid Model based on mBA-ANFIS for COVID-19 Confirmed Cases Prediction and Forecast. Journal of the Institution of Engineers (India): Series B, 2021, 102, 1123-1136.	1.9	6
17	Design and Implementation of Routing Algorithm to Enhance Network Lifetime in WBAN. Wireless Personal Communications, 2021, 118, 961-998.	2.7	12
18	A Working Prototype Using DS18B20 Temperature Sensor and Arduino for Health Monitoring. SN Computer Science, 2021, 2, 33.	3.6	22

#	Article	IF	Citations
19	Feature fusion using deep learning for smartphone based human activity recognition. International Journal of Information Technology (Singapore), 2021, 13, 1615-1624.	2.7	17
20	Ontology-based intelligent decision support systems: A systematic approach. , 2021, , 177-193.		0
21	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
22	Priority based IEEE 802.15.4 MAC by varying GTS to satisfy heterogeneous traffic in healthcare application. Wireless Networks, 2020, 26, 2287-2304.	3.0	6
23	Smartphone based human activity monitoring and recognition using ML and DL: a comprehensive survey. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 5433-5444.	4.9	37
24	Review of Machine Learning and Deep Learning Based Recommender Systems for Health Informatics. Studies in Big Data, 2020, , 101-126.	1.1	13
25	Smartphone and Sensor based Health Monitoring Enabled with IoT and ML. , 2020, , .		0
26	Performance evaluation of energy efficient routing with or without relay in medical body sensor network. Health and Technology, 2019, 9, 805-815.	3.6	11
27	Analytical Study on Data Transmission in WBAN With User Mobility Support. , 2018, , .		6
28	On Fall Detection Using Smartphone Sensors. , 2018, , .		2
29	An Ensemble of Condition Based Classifiers for Device Independent Detailed Human Activity Recognition Using Smartphones â€. Information (Switzerland), 2018, 9, 94.	2.9	30
30	Designing device independent two-phase activity recognition framework for smartphones. , 2017, , .		2
31	MHRP: A novel mobility handling routing protocol in Wireless Body Area Network. , 2017, , .		11
32	Patient monitoring framework for smart home using smart handhelds. , 2017, , .		1
33	A priority based routing protocol with extensive survey and comparison of related works for healthcare applications using WBAN. , 2017, , .		10
34	Posture detection using WBAN and its application in remote healthcare monitoring. , 2016, , .		2
35	A framework for monitoring of depression patient using WBAN. , 2016, , .		3
36	Trust based energy efficient detection and avoidance of black hole attack to ensure secure routing in MANET. , 2014, , .		34

#	ARTICLE	IF	CITATIONS
37	Secure checkpointing-recovery using trusted nodes in MANET. , 2013, , .		7
38	Trusted checkpointing based on ant colony optimization in MANET. , 2012, , .		4
39	A handoff based checkpointing and failure recovery scheme in mobile computing system. , 2011, , .		2