

Paul D Rosero-Montalvo

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

246
citations

1307594

7
h-index

1281871

11
g-index

40
all docs

40
docs citations

40
times ranked

176
citing authors

#	ARTICLE	IF	CITATIONS
1	Sign Language Recognition Based on Intelligent Glove Using Machine Learning Techniques. , 2018, , .		35
2	Intelligent System for Identification of Wheelchair User's Posture Using Machine Learning Techniques. IEEE Sensors Journal, 2019, 19, 1936-1942.	4.7	20
3	Human-sitting-pose detection using data classification and dimensionality reduction. , 2016, , .		13
4	Environment Monitoring of Rose Crops Greenhouse Based on Autonomous Vehicles with a WSN and Data Analysis. Sensors, 2020, 20, 5905.	3.8	13
5	Human Sit Down Position Detection Using Data Classification and Dimensionality Reduction. Advances in Science, Technology and Engineering Systems, 2017, 2, 749-754.	0.5	12
6	Prototype reduction algorithms comparison in nearest neighbor classification for sensor data: Empirical study. , 2017, , .		11
7	Air Quality Monitoring Intelligent System Using Machine Learning Techniques. , 2018, , .		11
8	Intelligence in Embedded Systems: Overview and Applications. Advances in Intelligent Systems and Computing, 2019, , 874-883.	0.6	10
9	Neighborhood Criterion Analysis for Prototype Selection Applied in WSN Data. , 2017, , .		9
10	Hybrid Embedded-Systems-Based Approach to in-Driver Drunk Status Detection Using Image Processing and Sensor Networks. IEEE Sensors Journal, 2021, 21, 15729-15740.	4.7	9
11	Data Visualization Using Interactive Dimensionality Reduction and Improved Color-Based Interaction Model. Lecture Notes in Computer Science, 2017, , 289-298.	1.3	8
12	A New Data-Preprocessing-Related Taxonomy of Sensors for IoT Applications. Information (Switzerland), 2022, 13, 241.	2.9	8
13	GreenFarm-DM: A tool for analyzing vegetable crops data from a greenhouse using data mining techniques (First trial). , 2017, , .		7
14	Optimization of the Master Production Scheduling in a Textile Industry Using Genetic Algorithm. Lecture Notes in Computer Science, 2019, , 674-685.	1.3	7
15	Interactive Data Visualization Using Dimensionality Reduction and Similarity-Based Representations. Lecture Notes in Computer Science, 2017, , 334-342.	1.3	7
16	Interactive visualization methodology of high-dimensional data with a color-based model for dimensionality reduction. , 2016, , .		6
17	Elderly fall detection using data classification on a portable embedded system. , 2017, , .		6
18	Multivariate Approach to Alcohol Detection in Drivers by Sensors and Artificial Vision. Lecture Notes in Computer Science, 2019, , 234-243.	1.3	5

#	ARTICLE	IF	CITATIONS
19	Intelligent WSN System for Water Quality Analysis Using Machine Learning Algorithms: A Case Study (Tahuando River from Ecuador). <i>Remote Sensing</i> , 2020, 12, 1988.	4.0	5
20	Interactive Data Visualization Using Dimensionality Reduction and Dissimilarity-Based Representations. <i>Lecture Notes in Computer Science</i> , 2017, , 461-469.	1.3	5
21	Dimensionality reduction for interactive data visualization via a Geo-Desic approach. , 2016, , .		4
22	Interactive Visualization Interfaces for Big Data Analysis Using Combination of Dimensionality Reduction Methods: A Brief Review. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 193-203.	0.6	4
23	Wireless Sensor Networks for Irrigation in Crops Using Multivariate Regression Models. , 2018, , .		3
24	A Novel Color-Based Data Visualization Approach Using a Circular Interaction Model and Dimensionality Reduction. <i>Lecture Notes in Computer Science</i> , 2018, , 557-567.	1.3	3
25	A data set for electric power consumption forecasting based on socio-demographic features: Data from an area of southern Colombia. <i>Data in Brief</i> , 2020, 29, 105246.	1.0	3
26	Air Pollution Monitoring Using WSN Nodes with Machine Learning Techniques: A Case Study. <i>Logic Journal of the IGPL</i> , 2022, 30, 599-610.	1.5	3
27	Addressing the Data Acquisition Paradigm in the Early Detection of Pediatric Foot Deformities. <i>Sensors</i> , 2021, 21, 4422.	3.8	3
28	Urban Pollution Environmental Monitoring System Using IoT Devices and Data Visualization: A Case Study. <i>Lecture Notes in Computer Science</i> , 2019, , 686-696.	1.3	2
29	Theoretical developments for interpreting kernel spectral clustering from alternative viewpoints. <i>Advances in Science, Technology and Engineering Systems</i> , 2017, 2, 1670-1676.	0.5	2
30	Automatic Motion Segmentation via a Cumulative Kernel Representation and Spectral Clustering. <i>Lecture Notes in Computer Science</i> , 2017, , 406-414.	1.3	1
31	Wearable Textil for Accident Prevention for Babies in Crawl Phase. , 2017, , .		1
32	Face Detection and Classification Using Eigenfaces and Principal Component Analysis: Preliminary Results. , 2017, , .		1
33	Cardiac Pulse Modeling Using a Modified van der Pol Oscillator and Genetic Algorithms. <i>Lecture Notes in Computer Science</i> , 2018, , 96-106.	1.3	1
34	A New Approach of Service Platform for Water Optimization in Lettuce Crops Using Wireless Sensor Network. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 1-13.	0.6	1
35	Two Novel Clustering Performance Measures Based on Coherence and Relative Assignments of Clusters. <i>Communications in Computer and Information Science</i> , 2017, , 792-804.	0.5	0
36	An Intelligent System for Detecting a Person Sitting Position to Prevent Lumbar Diseases. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 836-843.	0.6	0