

Paul D Rosero-Montalvo

List of Publications by Year in descending order

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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	Air Pollution Monitoring Using WSN Nodes with Machine Learning Techniques: A Case Study. Logic Journal of the IGPL, 2022, 30, 599-610.	1.5	3
2	A New Data-Preprocessing-Related Taxonomy of Sensors for IoT Applications. Information (Switzerland), 2022, 13, 241.	2.9	8
3	Addressing the Data Acquisition Paradigm in the Early Detection of Pediatric Foot Deformities. Sensors, 2021, 21, 4422.	3.8	3
4	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
5	Interactive Visualization Interfaces for Big Data Analysis Using Combination of Dimensionality Reduction Methods: A Brief Review. Advances in Intelligent Systems and Computing, 2020, , 193-203.	0.6	4
6	Environment Monitoring of Rose Crops Greenhouse Based on Autonomous Vehicles with a WSN and Data Analysis. Sensors, 2020, 20, 5905.	3.8	13
7	Intelligent WSN System for Water Quality Analysis Using Machine Learning Algorithms: A Case Study (Tahuando River from Ecuador). Remote Sensing, 2020, 12, 1988.	4.0	5
8	A data set for electric power consumption forecasting based on socio-demographic features: Data from an area of southern Colombia. Data in Brief, 2020, 29, 105246.	1.0	3
9	A New Approach of Service Platform for Water Optimization in Lettuce Crops Using Wireless Sensor Network. Advances in Intelligent Systems and Computing, 2020, , 1-13.	0.6	1
10	An Intelligent System for Detecting a Person Sitting Position to Prevent Lumbar Diseases. Advances in Intelligent Systems and Computing, 2020, , 836-843.	0.6	0
11	Multivariate Approach to Alcohol Detection in Drivers by Sensors and Artificial Vision. Lecture Notes in Computer Science, 2019, , 234-243.	1.3	5
12	Intelligence in Embedded Systems: Overview and Applications. Advances in Intelligent Systems and Computing, 2019, , 874-883.	0.6	10
13	Intelligent System for Identification of Wheelchair User's Posture Using Machine Learning Techniques. IEEE Sensors Journal, 2019, 19, 1936-1942.	4.7	20
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	Urban Pollution Environmental Monitoring System Using IoT Devices and Data Visualization: A Case Study. Lecture Notes in Computer Science, 2019, , 686-696.	1.3	2
16	Cardiac Pulse Modeling Using a Modified van der Pol Oscillator and Genetic Algorithms. Lecture Notes in Computer Science, 2018, , 96-106.	1.3	1
17	Sign Language Recognition Based on Intelligent Glove Using Machine Learning Techniques. , 2018, , .		35
18	Wireless Sensor Networks for Irrigation in Crops Using Multivariate Regression Models. , 2018, , .		3

#	ARTICLE	IF	CITATIONS
19	Air Quality Monitoring Intelligent System Using Machine Learning Techniques. , 2018, , .		11
20	A Novel Color-Based Data Visualization Approach Using a Circular Interaction Model and Dimensionality Reduction. Lecture Notes in Computer Science, 2018, , 557-567.	1.3	3
21	Data Visualization Using Interactive Dimensionality Reduction and Improved Color-Based Interaction Model. Lecture Notes in Computer Science, 2017, , 289-298.	1.3	8
22	Two Novel Clustering Performance Measures Based on Coherence and Relative Assignments of Clusters. Communications in Computer and Information Science, 2017, , 792-804.	0.5	0
23	Automatic Motion Segmentation via a Cumulative Kernel Representation and Spectral Clustering. Lecture Notes in Computer Science, 2017, , 406-414.	1.3	1
24	GreenFarm-DM: A tool for analyzing vegetable crops data from a greenhouse using data mining techniques (First trial). , 2017, , .		7
25	Elderly fall detection using data classification on a portable embedded system. , 2017, , .		6
26	Prototype reduction algorithms comparison in nearest neighbor classification for sensor data: Empirical study. , 2017, , .		11
27	Neighborhood Criterion Analysis for Prototype Selection Applied in WSN Data. , 2017, , .		9
28	Wearable Textil for Accident Prevention for Babies in Crawl Phase. , 2017, , .		1
29	Face Detection and Classification Using Eigenfaces and Principal Component Analysis: Preliminary Results. , 2017, , .		1
30	Interactive Data Visualization Using Dimensionality Reduction and Similarity-Based Representations. Lecture Notes in Computer Science, 2017, , 334-342.	1.3	7
31	Interactive Data Visualization Using Dimensionality Reduction and Dissimilarity-Based Representations. Lecture Notes in Computer Science, 2017, , 461-469.	1.3	5
32	Theoretical developments for interpreting kernel spectral clustering from alternative viewpoints. Advances in Science, Technology and Engineering Systems, 2017, 2, 1670-1676.	0.5	2
33	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
34	Dimensionality reduction for interactive data visualization via a Geo-Desic approach. , 2016, , .		4
35	Human-sitting-pose detection using data classification and dimensionality reduction. , 2016, , .		13
36	Interactive visualization methodology of high-dimensional data with a color-based model for dimensionality reduction. , 2016, , .		6