Carmen Benavides

List of Publications by Year
in descending order

32 papers	**417** citations	1039880 **9** h-index	752573 **20** g-index
33 all docs	**33** docs citations	**33** times ranked	**457** citing authors

#	Article	IF	Citations
1	Multiclass Classification Procedure for Detecting Attacks on MQTT-IoT Protocol. Complexity, 2019, 2019, 1-11.	0.9	77
2	Detecting Respiratory Pathologies Using Convolutional Neural Networks and Variational Autoencoders for Unbalancing Data. Sensors, 2020, 20, 1214.	2.1	71
3	Reducing air pollution with hybrid-powered robotic tractors for precision agriculture. Biosystems Engineering, 2016, 143, 79-94.	1.9	56
4	Diabetes detection using deep learning techniques with oversampling and feature augmentation. Computer Methods and Programs in Biomedicine, 2021, 202, 105968.	2.6	47
5	Socioeconomic Status in Adolescents: A Study of Its Relationship with Overweight and Obesity and Influence on Social Network Configuration. International Journal of Environmental Research and Public Health, 2018, 15, 2014.	1.2	19
6	A Web-Based Tool for Automatic Data Collection, Curation, and Visualization of Complex Healthcare Survey Studies including Social Network Analysis. Computational and Mathematical Methods in Medicine, 2017, 2017, 1-8.	0.7	17
7	eHealth Intervention to Improve Health Habits in the Adolescent Population: Mixed Methods Study. JMIR MHealth and UHealth, 2021, 9, e20217.	1.8	17
8	Sentiment analysis in non-fixed length audios using a Fully Convolutional Neural Network. Biomedical Signal Processing and Control, 2021, 69, 102946.	3.5	17
9	An ontology-based multi-domain model in social network analysis: Experimental validation and case study. Information Sciences, 2020, 540, 390-413.	4.0	15
10	Social network analysis for personalized characterization and risk assessment of alcohol use disorders in adolescents using semantic technologies. Future Generation Computer Systems, 2020, 106, 154-170.	4.9	13
11	Evaluation of Country Dietary Habits Using Machine Learning Techniques in Relation to Deaths from COVID-19. Healthcare (Switzerland), 2020, 8, 371.	1.0	10
12	A Study of the Use of Ontologies for Building Computer-Aided Control Engineering Self-Learning Educational Software. Journal of Science Education and Technology, 2013, 22, 589-601.	2.4	9
13	The impact of economic activity in Asturias on greenhouse gas emissions: Consequences for environmental policy within the Kyoto Protocol framework. Journal of Environmental Management, 2006, 81, 249-264.	3.8	8
14	A Semantic Social Network Analysis Tool for Sensitivity Analysis and What-If Scenario Testing in Alcohol Consumption Studies. International Journal of Environmental Research and Public Health, 2018, 15, 2420.	1.2	7
15	A case study of university student networks and the COVID-19 pandemic using a social network analysis approach in halls of residence. Scientific Reports, 2021, 11, 14877.	1.6	7
16	BERT Model-Based Approach For Detecting Categories of Tweets in the Field of Eating Disorders (ED). , 2021, , .		6
17	An ontology-based approach to knowledge representation for Computer-Aided Control System Design. Data and Knowledge Engineering, 2018, 118, 107-125.	2.1	5
18	IDS PROTOTYPE FOR INTRUSION DETECTION WITH MACHINE LEARNING MODELS IN IOT SYSTEMS OF THE INDUSTRY 4.0. Dyna (Spain), 2021, 96, 270-275.	0.1	5

#	Article	IF	Citations
19	A Qualitative Study of Secondary School Teachers' Perception of Social Network Analysis Metrics in the Context of Alcohol Consumption among Adolescents. International Journal of Environmental Research and Public Health, 2017, 14, 1531.	1.2	3
20	Autoencoder Latent Space Influence on IoT MQTT Attack Classification. Lecture Notes in Computer Science, 2020, , 279-286.	1.0	3
21	A Responsive Web Application for the Improvement of Healthy Habits in the Child Population. , 2020, , .		2
22	Ontologies as knowledge representation structures for CACSD software. , 2008, , .		1
23	Middleware-based multi-agent development environment for building and testing distributed intelligent systems. Cluster Computing, 2021, 24, 2313-2325.	3.5	1
24	Enriched multi-agent middleware for building rule-based distributed security solutions for IoT environments. Journal of Supercomputing, 2021, 77, 13046.	2.4	1
25	Applying knowledge engineering techniques in control engineering education. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 279-284.	0.4	0
26	Knowledge Representation for Control Engineering. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 193-198.	0.4	0
27	A web-based multi-agent system approach to document engineering. International Journal of Web Engineering and Technology, 2004, 1, 437.	0.1	0
28	An Ontology-Based Expert System and Interactive Tool for Computer-Aided Control Engineering Education. Lecture Notes in Computer Science, 2010, , 264-273.	1.0	0
29	Techniques and Utilities to Improve the Design, Development and Debugging of Multiagent Applications with Agile Principles. Advances in Intelligent Systems and Computing, 2018, , 198-208.	0.5	0
30	Networks that Cross the Boundaries of the Classroom: A Quasi-Experimental Study of University Students. , 0, , .		0
31	Clustering Techniques Performance Analysis for a Solar Thermal Collector Hybrid Model Implementation. Lecture Notes in Computer Science, 2020, , 329-340.	1.0	0
32	BERT Model-Based Approach for Detecting Racism and Xenophobia on Twitter Data. Communications in Computer and Information Science, 2022, , 148-158.	0.4	0