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## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

473  
citations

933264

10  
h-index

794469

19  
g-index

57  
all docs

57  
docs citations

57  
times ranked

488  
citing authors

#	ARTICLE	IF	CITATIONS
1	Detecting Respiratory Pathologies Using Convolutional Neural Networks and Variational Autoencoders for Unbalancing Data. <i>Sensors</i> , 2020, 20, 1214.	2.1	71
2	Diabetes detection using deep learning techniques with oversampling and feature augmentation. <i>Computer Methods and Programs in Biomedicine</i> , 2021, 202, 105968.	2.6	47
3	Musculoskeletal Pain and Teleworking in Times of the COVID-19: Analysis of the Impact on the Workers at Two Spanish Universities. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 31.	1.2	45
4	Musculoskeletal Pain and Non-Classroom Teaching in Times of the COVID-19 Pandemic: Analysis of the Impact on Students from Two Spanish Universities. <i>Journal of Clinical Medicine</i> , 2020, 9, 4053.	1.0	29
5	Implementing local-explainability in Gradient Boosting Trees: Feature Contribution. <i>Information Sciences</i> , 2022, 589, 199-212.	4.0	27
6	Socioeconomic Status in Adolescents: A Study of Its Relationship with Overweight and Obesity and Influence on Social Network Configuration. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2014.	1.2	19
7	Stress, Emotional Intelligence and the Intention to Use Cannabis in Spanish Adolescents: Influence of COVID-19 Confinement. <i>Frontiers in Psychology</i> , 2020, 11, 582578.	1.1	18
8	A Web-Based Tool for Automatic Data Collection, Curation, and Visualization of Complex Healthcare Survey Studies including Social Network Analysis. <i>Computational and Mathematical Methods in Medicine</i> , 2017, 2017, 1-8.	0.7	17
9	eHealth Intervention to Improve Health Habits in the Adolescent Population: Mixed Methods Study. <i>JMIR MHealth and UHealth</i> , 2021, 9, e20217.	1.8	17
10	Sentiment analysis in non-fixed length audios using a Fully Convolutional Neural Network. <i>Biomedical Signal Processing and Control</i> , 2021, 69, 102946.	3.5	17
11	An ontology-based multi-domain model in social network analysis: Experimental validation and case study. <i>Information Sciences</i> , 2020, 540, 390-413.	4.0	15
12	Social network analysis for personalized characterization and risk assessment of alcohol use disorders in adolescents using semantic technologies. <i>Future Generation Computer Systems</i> , 2020, 106, 154-170.	4.9	13
13	Traditional Machine Learning Models and Bidirectional Encoder Representations From Transformer (BERT)-Based Automatic Classification of Tweets About Eating Disorders: Algorithm Development and Validation Study. <i>JMIR Medical Informatics</i> , 2022, 10, e34492.	1.3	13
14	Feasibility of Social-Network-Based eHealth Intervention on the Improvement of Healthy Habits among Children. <i>Sensors</i> , 2020, 20, 1404.	2.1	11
15	Evaluation of Country Dietary Habits Using Machine Learning Techniques in Relation to Deaths from COVID-19. <i>Healthcare (Switzerland)</i> , 2020, 8, 371.	1.0	10
16	Detecting racism and xenophobia using deep learning models on Twitter data: CNN, LSTM and BERT. <i>PeerJ Computer Science</i> , 2022, 8, e906.	2.7	10
17	The socialisation of the adolescent who carries out team sports: a transversal study of centrality with a social network analysis. <i>BMJ Open</i> , 2021, 11, e042773.	0.8	9
18	Bioinspired Hybrid Model to Predict the Hydrogen Inlet Fuel Cell Flow Change of an Energy Storage System. <i>Processes</i> , 2019, 7, 825.	1.3	8

#	ARTICLE	IF	CITATIONS
19	A Semantic Social Network Analysis Tool for Sensitivity Analysis and What-If Scenario Testing in Alcohol Consumption Studies. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2420.	1.2	7
20	Prevalence of Comorbidities in Individuals Diagnosed and Undiagnosed with Alzheimer's Disease in León, Spain and a Proposal for Contingency Procedures to Follow in the Case of Emergencies Involving People with Alzheimer's Disease. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 3398.	1.2	7
21	Substance Use and Addictive Behavior in Spanish Adolescents in Secondary School. <i>Healthcare (Switzerland)</i> , 2021, 9, 186.	1.0	7
22	A case study of university student networks and the COVID-19 pandemic using a social network analysis approach in halls of residence. <i>Scientific Reports</i> , 2021, 11, 14877.	1.6	7
23	Thermal Infrared Imaging to Evaluate Emotional Competences in Nursing Students: A First Approach through a Case Study. <i>Sensors</i> , 2020, 20, 2502.	2.1	6
24	BERT Model-Based Approach For Detecting Categories of Tweets in the Field of Eating Disorders (ED). , 2021, , .		6
25	Clustering Techniques Selection for a Hybrid Regression Model: A Case Study Based on a Solar Thermal System. <i>Cybernetics and Systems</i> , 2023, 54, 286-305.	1.6	6
26	IDS PROTOTYPE FOR INTRUSION DETECTION WITH MACHINE LEARNING MODELS IN IOT SYSTEMS OF THE INDUSTRY 4.0. <i>Dyna (Spain)</i> , 2021, 96, 270-275.	0.1	5
27	The consumption of alcohol by adolescent schoolchildren: Differences in the triadic relationship pattern between rural and urban environments. <i>PLoS ONE</i> , 2020, 15, e0241135.	1.1	5
28	Identification of cohesive subgroups in a university hall of residence during the COVID-19 pandemic using a social network analysis approach. <i>Scientific Reports</i> , 2021, 11, 22055.	1.6	4
29	A Qualitative Study of Secondary School Teachers' Perception of Social Network Analysis Metrics in the Context of Alcohol Consumption among Adolescents. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 1531.	1.2	3
30	A Cooperative Interdisciplinary Task Intervention with Undergraduate Nursing and Computer Engineering Students. <i>Sustainability</i> , 2019, 11, 6325.	1.6	3
31	Interconsultas dermatológicas en pacientes hospitalizados en un hospital terciario en España: un estudio retrospectivo de 750 pacientes. <i>Revista Clínica Española</i> , 2020, 220, 426-431.	0.2	3
32	A FIPA-Compliant Framework for Integrating Rule Engines into Software Agents for Supporting Communication and Collaboration in a Multiagent Platform. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 124-133.	0.5	2
33	A Responsive Web Application for the Improvement of Healthy Habits in the Child Population. , 2020, , .		2
34	Middleware-based multi-agent development environment for building and testing distributed intelligent systems. <i>Cluster Computing</i> , 2021, 24, 2313-2325.	3.5	1
35	Enriched multi-agent middleware for building rule-based distributed security solutions for IoT environments. <i>Journal of Supercomputing</i> , 2021, 77, 13046.	2.4	1
36	Peer Review of "Machine Learning for Risk Group Identification and User Data Collection in a Herpes Simplex Virus Patient Registry: Algorithm Development and Validation Study". <i>Jmirx Med</i> , 2021, 2, e28922.	0.2	1

#	ARTICLE	IF	CITATIONS
37	Analyzing IoT-Based Botnet Malware Activity with Distributed Low Interaction Honeypots. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 329-338.	0.5	1
38	Networks and Emotions in Cooperative Work: A Quasi-Experimental Study in University Nursing and Computer Engineering Students. <i>Healthcare (Switzerland)</i> , 2020, 8, 220.	1.0	0
39	Dinámicas de información en profesionales de enfermería desde el análisis de redes sociales. <i>Enfermería Global</i> , 2021, 20, 55-85.	0.1	0
40	Networks that Cross the Boundaries of the Classroom: A Quasi-Experimental Study of University Students. , 0, , .		0
41	Aprendizaje de sensorizado de entornos IoT mediante BeagleBone. , 0, , .		0
42	Comparative Analysis of Clustering Techniques for a Hybrid Model Implementation. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 355-365.	0.5	0
43	Clustering Techniques Performance Analysis for a Solar Thermal Collector Hybrid Model Implementation. <i>Lecture Notes in Computer Science</i> , 2020, , 329-340.	1.0	0
44	BERT Model-Based Approach for Detecting Racism and Xenophobia on Twitter Data. <i>Communications in Computer and Information Science</i> , 2022, , 148-158.	0.4	0
45	Title is missing!. , 2020, 15, e0241135.		0
46	Title is missing!. , 2020, 15, e0241135.		0
47	Title is missing!. , 2020, 15, e0241135.		0
48	Title is missing!. , 2020, 15, e0241135.		0
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51	Title is missing!. , 2020, 15, e0241135.		0
52	Title is missing!. , 2020, 15, e0241135.		0