

Ernestina Menasalvas Ruiz

List of Publications by Year in descending order

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Version: 2024-02-01

110
papers

1,672
citations

361045

20
h-index

360668

35
g-index

117
all docs

117
docs citations

117
times ranked

1965
citing authors

#	ARTICLE	IF	CITATIONS
1	Influenza and Measles-MMR: two case study of the trend and impact of vaccine-related Twitter posts in Spanish during 2015-2018. <i>Human Vaccines and Immunotherapeutics</i> , 2022, 18, 1-16.	1.4	3
2	Negation and uncertainty detection in clinical texts written in Spanish: a deep learning-based approach. <i>PeerJ Computer Science</i> , 2022, 8, e913.	2.7	11
3	Predictors of health-related quality of life in musculoskeletal disease patients: a longitudinal analysis. <i>Therapeutic Advances in Musculoskeletal Disease</i> , 2021, 13, 1759720X2110340.	1.2	0
4	Integrating Speculation Detection and Deep Learning to Extract Lung Cancer Diagnosis from Clinical Notes. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 865.	1.3	7
5	To burn-out or not to burn-out: a cross-sectional study in healthcare professionals in Spain during COVID-19 pandemic. <i>BMJ Open</i> , 2021, 11, e044945.	0.8	83
6	Clustering Moving Object Trajectories: Integration in CROSS-CPP Analytic Toolbox. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3693.	1.3	0
7	A Meta-Path-Based Prediction Method for Disease Comorbidities. , 2021, , .		1
8	Extracting Cancer Treatments from Clinical Text written in Spanish: A Deep Learning Approach. , 2021, , .		4
9	Unravelling data for rapid evidence-based response to COVID-19: a summary of the unCoVer protocol. <i>BMJ Open</i> , 2021, 11, e055630.	0.8	13
10	Multi-scale Rols selection for classifying multi-spectral images. <i>Multidimensional Systems and Signal Processing</i> , 2020, 31, 745-769.	1.7	4
11	Lung Cancer Diagnosis Extraction from Clinical Notes Written in Spanish. , 2020, , .		2
12	Creating a Metamodel Based on Machine Learning to Identify the Sentiment of Vaccine and Disease-Related Messages in Twitter: the MAVIS Study. , 2020, , .		2
13	Identifying Polarity in Tweets from an Imbalanced Dataset about Diseases and Vaccines Using a Meta-Model Based on Machine Learning Techniques. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 9019.	1.3	8
14	Reconstructing the patient's natural history from electronic health records. <i>Artificial Intelligence in Medicine</i> , 2020, 105, 101860.	3.8	14
15	How Wikipedia disease information evolve over time? An analysis of disease-based articles changes. <i>Information Processing and Management</i> , 2020, 57, 102225.	5.4	6
16	Spa-neg: An Approach for Negation Detection in Clinical Text Written in Spanish. <i>Lecture Notes in Computer Science</i> , 2020, , 323-337.	1.0	3
17	Sex is a strong prognostic factor in stage IV non-small-cell lung cancer patients and should be considered in survival rate estimation. <i>Cancer Epidemiology</i> , 2020, 67, 101737.	0.8	15
18	DISNET: a framework for extracting phenotypic disease information from public sources. <i>PeerJ</i> , 2020, 8, e8580.	0.9	29

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19	¿Puede Data Science ayudarnos a mejorar el pronóstico y tratamiento del Paciente oncológico?. Comunicaci3n Y Hombre, 2020, , 151-166.	0.0	0
20	Public Health and Epidemiology Informatics: Can Artificial Intelligence Help Future Global Challenges? An Overview of Antimicrobial Resistance and Impact of Climate Change in Disease Epidemiology. Yearbook of Medical Informatics, 2019, 28, 224-231.	0.8	25
21	Recognition of Time Expressions in Spanish Electronic Health Records. , 2019, , .		10
22	Introduction to the special issue on social data analytics in medicine and healthcare. International Journal of Data Science and Analytics, 2019, 8, 325-326.	2.4	2
23	On the use of random graphs as null model of large connected networks. Chaos, Solitons and Fractals, 2019, 119, 318-325.	2.5	12
24	Disease networks and their contribution to disease understanding: A review of their evolution, techniques and data sources. Journal of Biomedical Informatics, 2019, 94, 103206.	2.5	26
25	Characterising obstructive sleep apnea patients through complex networks. Chaos, Solitons and Fractals, 2019, 119, 196-202.	2.5	5
26	Lung Cancer Concept Annotation from Spanish Clinical Narratives. Lecture Notes in Computer Science, 2019, , 153-163.	1.0	4
27	Analysis of Electronic Health Records to Identify the Patient's Treatment Lines: Challenges and Opportunities. Lecture Notes in Computer Science, 2019, , 437-442.	1.0	1
28	PET-CT image fusion using random forest and 2D wavelet transform. International Journal for Numerical Methods in Biomedical Engineering, 2018, 34, e2933.	1.0	31
29	2D wavelet transform-based hybrid image fusion for face recognition using region classifiers. Expert Systems, 2018, 35, e12307.	2.9	17
30	Profiling Lung Cancer Patients Using Electronic Health Records. Journal of Medical Systems, 2018, 42, 126.	2.2	17
31	Evaluating Wikipedia as a Source of Information for Disease Understanding. , 2018, , .		7
32	Supervoxels-Based Histone as a New Alzheimer's Disease Imaging Biomarker. Sensors, 2018, 18, 1752.	2.1	16
33	Extracting Diagnostic Knowledge from MedLine Plus: A Comparison between MetaMap and cTAKES Approaches. Current Bioinformatics, 2018, 13, 573-582.	0.7	6
34	Assessing Time Series Reversibility through Permutation Patterns. Entropy, 2018, 20, 665.	1.1	33
35	Geography of legal water disputes in Chile. Journal of Maps, 2017, 13, 7-13.	1.0	4
36	Automatic Recording and Analysis of Somniloquy Through the Use of Mobile Devices to Support the Diagnosis of Psychological Pathologies. Communications in Computer and Information Science, 2017, , 169-180.	0.4	0

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37	Fusion of Visible and Thermal Images Using a Directed Search Method for Face Recognition. International Journal of Pattern Recognition and Artificial Intelligence, 2017, 31, 1756005.	0.7	22
38	OncoCall: Analyzing the Outcomes of the Oncology Telephone Patient Assistance. , 2017, , .		0
39	Daily Evapotranspiration Mapping Using Regression Random Forest Models. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 5359-5368.	2.3	15
40	Mitosis Detection in Breast Cancer Using Superpixels and Ensemble Classifiers. Advances in Intelligent Systems and Computing, 2017, , 137-145.	0.5	1
41	Convolutional neural networks for estimating spatially distributed evapotranspiration. , 2017, , .		3
42	Challenges of Medical Text and Image Processing: Machine Learning Approaches. Lecture Notes in Computer Science, 2016, , 221-242.	1.0	5
43	Combining complex networks and data mining: Why and how. Physics Reports, 2016, 635, 1-44.	10.3	139
44	Legal disputes as a proxy for regional conflicts over water rights in Chile. Journal of Hydrology, 2016, 535, 36-45.	2.3	60
45	Automatic extraction and identification of users'™ responses in Facebook medical quizzes. Computer Methods and Programs in Biomedicine, 2016, 127, 197-203.	2.6	9
46	Local optimal scale in a hierarchical segmentation method for satellite images. Journal of Intelligent Information Systems, 2016, 46, 517-529.	2.8	18
47	New insights into the suitability of the third dimension for visualizing multivariate/multidimensional data: A study based on loss of quality quantification. Information Visualization, 2016, 15, 3-30.	1.2	28
48	Recurrent drifts: applying fuzzy logic to concept similarity function. , 2015, , .		0
49	Superpixel-Based Roughness Measure for Multispectral Satellite Image Segmentation. Remote Sensing, 2015, 7, 14620-14645.	1.8	18
50	A multicenter study of the early detection of synaptic dysfunction in Mild Cognitive Impairment using Magnetoencephalography-derived functional connectivity. NeuroImage: Clinical, 2015, 9, 103-109.	1.4	79
51	Medical Mining. , 2015, , .		1
52	A methodology to compare Dimensionality Reduction algorithms in terms of loss of quality. Information Sciences, 2014, 270, 1-27.	4.0	53
53	Information content: Assessing meso-scale structures in complex networks. Europhysics Letters, 2014, 106, 30001.	0.7	20
54	Mining Recurring Concepts in a Dynamic Feature Space. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 95-110.	7.2	50

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55	Intelligent Therapy Assistant (ITA) for cognitive rehabilitation in patients with acquired brain injury. BMC Medical Informatics and Decision Making, 2014, 14, 58.	1.5	38
56	Parentlitic networks: uncovering new functions in biological data. Scientific Reports, 2014, 4, 5112.	1.6	19
57	TIDA: A Spanish EHR Semantic Search Engine. Advances in Intelligent Systems and Computing, 2014, , 235-242.	0.5	5
58	Optimal Scale in a Hierarchical Segmentation Method for Satellite Images. Lecture Notes in Computer Science, 2014, , 351-358.	1.0	2
59	3D Dendrite Spine Detection - A Supervoxel Based Approach. Lecture Notes in Computer Science, 2014, , 359-366.	1.0	2
60	Histogram of Bunched Intensity Values Based Thermal Face Recognition. Lecture Notes in Computer Science, 2014, , 367-374.	1.0	4
61	Text Analysis and Information Extraction from Spanish Written Documents. Lecture Notes in Computer Science, 2014, , 188-197.	1.0	4
62	Multi-agent location system in wireless networks. Expert Systems With Applications, 2013, 40, 2244-2262.	4.4	5
63	Soft computing for content generation: Trading market in a basketball management video game. , 2013, , .		1
64	Self-configuring data mining for ubiquitous computing. Information Sciences, 2013, 246, 83-99.	4.0	7
65	COLLABORATIVE DATA STREAM MINING IN UBIQUITOUS ENVIRONMENTS USING DYNAMIC CLASSIFIER SELECTION. International Journal of Information Technology and Decision Making, 2013, 12, 1287-1308.	2.3	4
66	Feature Selection in the Reconstruction of Complex Network Representations of Spectral Data. PLoS ONE, 2013, 8, e72045.	1.1	9
67	Knowledge Discovery in Spectral Data by Means of Complex Networks. Metabolites, 2013, 3, 155-167.	1.3	8
68	Dynamic Clustering Process to Calculate Affinity Degree of Users as Basis of a Social Network Recommender. Lecture Notes in Computer Science, 2013, , 215-225.	1.0	1
69	Research Challenge of Locally Computed Ubiquitous Data Mining. , 2013, , 1960-1978.		0
70	Optimizing Functional Network Representation of Multivariate Time Series. Scientific Reports, 2012, 2, 630.	1.6	79
71	Mobile Activity Recognition Using Ubiquitous Data Stream Mining. Lecture Notes in Computer Science, 2012, , 130-141.	1.0	15
72	Tracking recurrent concepts using context. Intelligent Data Analysis, 2012, 16, 803-825.	0.4	19

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73	MARS: A Personalised Mobile Activity Recognition System. , 2012, , .		38
74	Prediction of MOR and MOE of structural plywood board using an artificial neural network and comparison with a multivariate regression model. Composites Part B: Engineering, 2012, 43, 3528-3533.	5.9	47
75	SOMAR: A SOcial Mobile Activity Recommender. Expert Systems With Applications, 2012, 39, 8423-8429.	4.4	14
76	A management Ad Hoc networks model for rescue and emergency scenarios. Expert Systems With Applications, 2012, 39, 9554-9563.	4.4	19
77	Preprocessing and analyzing genetic data with complex networks: An application to Obstructive Nephropathy. Networks and Heterogeneous Media, 2012, 7, 473-481.	0.5	7
78	Granular Model for Data Mining. , 2012, , 1444-1454.		0
79	Framework for the Establishment of Resource-Aware Data Mining Techniques on Critical Infrastructures. Communications in Computer and Information Science, 2012, , 560-569.	0.4	0
80	A social network activity recommender system for ubiquitous devices. , 2011, , .		2
81	Learning recurring concepts from data streams with a context-aware ensemble. , 2011, , .		30
82	Context-Aware Collaborative Data Stream Mining in Ubiquitous Devices. Lecture Notes in Computer Science, 2011, , 22-33.	1.0	6
83	Bayesian Networks to Predict Data Mining Algorithm Behavior in Ubiquitous Computing Environments. Lecture Notes in Computer Science, 2011, , 119-141.	1.0	2
84	Density-based semi-supervised clustering. Data Mining and Knowledge Discovery, 2010, 21, 345-370.	2.4	45
85	Autonomous Adaptive Data Mining for u-Healthcare. Lecture Notes in Computer Science, 2010, , 433-438.	1.0	0
86	Situation-Aware Data Stream Mining Service for Ubiquitous Applications. , 2010, , .		3
87	Adapting Batch Learning Algorithms Execution in Ubiquitous Devices. , 2010, , .		2
88	Tracking Recurrent Concepts Using Context. Lecture Notes in Computer Science, 2010, , 168-177.	1.0	20
89	Improving the Learning of Recurring Concepts through High-Level Fuzzy Contexts. Lecture Notes in Computer Science, 2010, , 234-239.	1.0	2
90	CALDS. , 2010, , .		10

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91	Automated Constraint Selection for Semi-supervised Clustering Algorithm. Lecture Notes in Computer Science, 2010, , 151-160.	1.0	1
92	A Human-Centric Perspective on Ubiquitous Knowledge Discovery. Lecture Notes in Computer Science, 2010, , 90-107.	1.0	0
93	EMERGING USER INTENTIONS: MATCHING USER QUERIES WITH TOPIC EVOLUTION IN NEWS TEXT STREAMS. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2009, 17, 59-80.	0.9	2
94	Toward data mining engineering: A software engineering approach. Information Systems, 2009, 34, 87-107.	2.4	46
95	C-DenStream: Using Domain Knowledge on a Data Stream. Lecture Notes in Computer Science, 2009, , 287-301.	1.0	33
96	Approach for Discovering and Tracking Local Web Search Trends. , 2009, , .		0
97	Situation-Aware Data Mining Service for Ubiquitous Environments. , 2009, , .		2
98	Granular Model for Data Mining. , 2009, , 4392-4402.		0
99	Database Support for Automatic Web Queries Categorization. Studies in Computational Intelligence, 2009, , 57-70.	0.7	0
100	A cost model to estimate the effort of data mining projects (DMCoMo). Information Systems, 2008, 33, 133-150.	2.4	23
101	C-DBSCAN: Density-Based Clustering with Constraints. Lecture Notes in Computer Science, 2007, , 216-223.	1.0	47
102	A Model PM for Preprocessing and Data Mining Proper Process. , 2007, , 397-399.		1
103	Constraint-Based Query Clustering. , 2007, , 304-309.		1
104	A Classification Model: Syntax and Semantics for Classification. Lecture Notes in Computer Science, 2005, , 59-68.	1.0	4
105	Financial Risk Prediction Using Rough Sets Tools: A Case Study. Lecture Notes in Computer Science, 2005, , 495-502.	1.0	0
106	Bayesian network multi-classifiers for protein secondary structure prediction. Artificial Intelligence in Medicine, 2004, 31, 117-136.	3.8	38
107	Data mining in genomics and proteomics. Artificial Intelligence in Medicine, 2004, 31, iii-iv.	3.8	4
108	Subsessions: A granular approach to click path analysis. International Journal of Intelligent Systems, 2004, 19, 619-637.	3.3	5

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109	Calculating economic indexes per household and censal section from official Spanish databases. Intelligent Data Analysis, 2003, 7, 603-613.	0.4	5
110	Research Challenge of Locally Computed Ubiquitous Data Mining. , 0, , 576-594.		0