Enrique Antonio de la Cal

List of Publications by Year
in descending order

52 papers	511 citations	1040056 9 h-index	713466 21 g-index
59 all docs	59 docs citations	59 times ranked	526 citing authors

#	Article	IF	Citations
1	Improving wearable-based fall detection with unsupervised learning. Logic Journal of the IGPL, 2022, 30, 314-325.	1.5	4
2	Towards effective detection of elderly falls with CNN-LSTM neural networks. Neurocomputing, 2022, 500, 231-240.	5.9	18
3	Autonomous on-wrist acceleration-based fall detection systems: unsolved challenges. Neurocomputing, 2021, 452, 404-413.	5.9	6
4	Mixing user-centered and generalized models for Fall Detection. Neurocomputing, 2021, 452, 473-486.	5.9	8
5	Transfer Learning Study for Horses Breeds Images Datasets Using Pre-trained ResNet Networks. Lecture Notes in Computer Science, 2021, , 256-264.	1.3	1
6	An ensemble solution for multivariate time series clustering. Neurocomputing, 2021, 457, 182-192.	5.9	3
7	Simple Meta-optimization of the Feature MFCC for Public Emotional Datasets Classification. Lecture Notes in Computer Science, 2021, , 659-670.	1.3	1
8	Time Series Data Augmentation and Dropout Roles in Deep Learning Applied to Fall Detection. Advances in Intelligent Systems and Computing, 2021, , 563-570.	0.6	0
9	Design issues in Time Series dataset balancing algorithms. Neural Computing and Applications, 2020, 32, 1287-1304.	5.6	1
10	Transfer learning and information retrieval applied to fall detection. Expert Systems, 2020, 37, e12522.	4.5	9
11	DTW as Alignment Function in the Context of Time Series Balancing. Advances in Intelligent Systems and Computing, 2020, , 209-218.	0.6	0
12	Fall Detection Based on Local Peaks andÂMachine Learning. Lecture Notes in Computer Science, 2020, , 631-643.	1.3	1
13	Fall Detection Analysis Using a Real Fall Dataset. Advances in Intelligent Systems and Computing, 2019, , 334-343.	0.6	3
14	User-centered fall detection using supervised, on-line learning and transfer learning. Progress in Artificial Intelligence, 2019, 8, 453-474.	2.4	14
15	Intelligent decision support to determine the best sensory guardrail locations. Neurocomputing, 2019, 354, 41-48.	5.9	2
16	A Proof of Concept in Multivariate Time Series Clustering Using Recurrent Neural Networks and SP-Lines. Lecture Notes in Computer Science, 2019, , 346-357.	1.3	3
17	When cloud meets battery. , 2018, , .		1
18	Improving Fall Detection Using an On-Wrist Wearable Accelerometer. Sensors, 2018, 18, 1350.	3.8	107

#	Article	IF	Citations
19	Evaluation of a Wrist-Based Wearable Fall Detection Method. Lecture Notes in Computer Science, 2018, , 377-386.	1.3	8
20	A SMOTE Extension for Balancing Multivariate Epilepsy-Related Time Series Datasets. Advances in Intelligent Systems and Computing, 2018, , 439-448.	0.6	3
21	Resource brokerage ontology for vendor-independent Cloud Service management. , 2017, , .		2
22	Identification of abnormal movements with 3D accelerometer sensors for seizure recognition. Journal of Applied Logic, 2017, 24, 54-61.	1.1	10
23	An IoT Platform for Epilepsy Monitoring and Supervising. Journal of Sensors, 2017, 2017, 1-18.	1.1	40
24	Spanish Road Fork Traffic Analysis and Modelling. Lecture Notes in Computer Science, 2017, , 483-493.	1.3	1
25	Learning Fuzzy Models with a SAX-based Partitioning for Simulated Seizure Recognition. Advances in Intelligent Systems and Computing, 2017, , 20-30.	0.6	0
26	Pre-Clinical Study on the Detection of Simulated Epileptic Seizures. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2016, 24, 33-46.	1.9	2
27	Generalized Models for the Classification of Abnormal Movements in Daily Life and its Applicability to Epilepsy Convulsion Recognition. International Journal of Neural Systems, 2016, 26, 1650037.	5.2	42
28	Comparing ACO Approaches in Epilepsy Seizures. Lecture Notes in Computer Science, 2016, , 261-272.	1.3	1
29	Simple heuristics for enhancing GP learning. Logic Journal of the IGPL, 2015, 23, 472-484.	1.5	1
30	Fuzzy rule learning with ACO in epilepsy crisis identification. , 2015, , .		5
31	Learning and training techniques in fuzzy control for energy efficiency in buildings. Logic Journal of the IGPL, 2012, 20, 757-769.	1.5	4
32	Multi-objective learning of white box models with low quality data. Neurocomputing, 2012, 75, 219-225.	5.9	1
33	Comparison of Fuzzy Functions for Low Quality Data GAP Algorithms. Lecture Notes in Computer Science, 2012, , 339-349.	1.3	0
34	Optimising operational costs using Soft Computing techniques. Integrated Computer-Aided Engineering, 2011, 18, 313-325.	4.6	11
35	An Study of the Tree Generation Algorithms in Equation Based Model Learning with Low Quality Data. Lecture Notes in Computer Science, 2011, , 84-91.	1.3	1
36	Improving return using risk-return adjustment and incremental training in technical trading rules with GAPs. Applied Intelligence, 2010, 33, 93-106.	5.3	7

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37	A soft computing method for detecting lifetime building thermal insulation failures. Integrated Computer-Aided Engineering, 2010, 17, 103-115.	4.6	83
38	Scalability of a Methodology for Generating Technical Trading Rules with GAPs Based on Risk-Return Adjustment and Incremental Training. Lecture Notes in Computer Science, 2010, , 143-150.	1.3	4
39	Modelling of Heat Flux in Building Using Soft-Computing Techniques. Lecture Notes in Computer Science, 2010, , 636-645.	1.3	1
40	Evaluating the Low Quality Measurements in Lighting Control Systems. Advances in Intelligent and Soft Computing, 2010, , 119-126.	0.2	1
41	Low Quality Data Management for Optimising Energy Efficiency in Distributed Agents. Advances in Intelligent and Soft Computing, 2010, , 673-680.	0.2	0
42	Analysing the Low Quality of the Data in Lighting Control Systems. Lecture Notes in Computer Science, 2010, , 421-428.	1.3	4
43	A fuzzy logic based efficient energy saving approach for domestic heating systems. Integrated Computer-Aided Engineering, 2009, 16, 151-163.	4.6	40
44	Improving Energy Efficiency in Buildings Using Machine Intelligence. Lecture Notes in Computer Science, 2009, , 773-782.	1.3	6
45	A Thermodynamical Model Study for an Energy Saving Algorithm. Lecture Notes in Computer Science, 2009, , 384-390.	1.3	3
46	Efficiency in Electrical Heating Systems: An MAS Real World Application. Advances in Intelligent and Soft Computing, 2009, , 460-469.	0.2	2
47	Energy Saving By Means Of Multiagent Systems And Fuzzy Systems. IEEE Latin America Transactions, 2008, 6, 517-523.	1.6	2
48	Minimizing Energy Consumption in Heating Systems under Uncertainty. Lecture Notes in Computer Science, 2008, , 583-590.	1.3	8
49	Energy Saving by Means of Fuzzy Systems. Lecture Notes in Computer Science, 2007, , 155-167.	1.3	4
50	Supply Estimation Using Coevolutionary Genetic Algorithms in the Spanish Electrical Market. Applied Intelligence, 2004, 21, 7-24.	5.3	7
51	Machine learning usefulness relies on accuracy and self-maintenance. Lecture Notes in Computer Science, 1998, , 448-457.	1.3	4
52	A low-power HAR method for Fall and High-Intensity ADLs identification using wrist-worn accelerometer devices. Logic Journal of the IGPL, 0, , .	1.5	1