Enrique Antonio de la Cal

List of Publications by Year
in descending order

52	511	1040056	713466
papers	citations	9	21
		h-index	g-index

59	59	59	526
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Improving Fall Detection Using an On-Wrist Wearable Accelerometer. Sensors, 2018, 18, 1350.	3.8	107
2	A soft computing method for detecting lifetime building thermal insulation failures. Integrated Computer-Aided Engineering, 2010, 17, 103-115.	4.6	83
3	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
4	A fuzzy logic based efficient energy saving approach for domestic heating systems. Integrated Computer-Aided Engineering, 2009, 16, 151-163.	4.6	40
5	An IoT Platform for Epilepsy Monitoring and Supervising. Journal of Sensors, 2017, 2017, 1-18.	1.1	40
6	Towards effective detection of elderly falls with CNN-LSTM neural networks. Neurocomputing, 2022, 500, 231-240.	5.9	18
7	User-centered fall detection using supervised, on-line learning and transfer learning. Progress in Artificial Intelligence, 2019, 8, 453-474.	2.4	14
8	Optimising operational costs using Soft Computing techniques. Integrated Computer-Aided Engineering, 2011, 18, 313-325.	4.6	11
9	Identification of abnormal movements with 3D accelerometer sensors for seizure recognition. Journal of Applied Logic, 2017, 24, 54-61.	1.1	10
10	Transfer learning and information retrieval applied to fall detection. Expert Systems, 2020, 37, e12522.	4.5	9
11	Evaluation of a Wrist-Based Wearable Fall Detection Method. Lecture Notes in Computer Science, 2018, , 377-386.	1.3	8
12	Mixing user-centered and generalized models for Fall Detection. Neurocomputing, 2021, 452, 473-486.	5.9	8
13	Minimizing Energy Consumption in Heating Systems under Uncertainty. Lecture Notes in Computer Science, 2008, , 583-590.	1.3	8
14	Supply Estimation Using Coevolutionary Genetic Algorithms in the Spanish Electrical Market. Applied Intelligence, 2004, 21, 7-24.	5.3	7
15	Improving return using risk-return adjustment and incremental training in technical trading rules with GAPs. Applied Intelligence, 2010, 33, 93-106.	5.3	7
16	Autonomous on-wrist acceleration-based fall detection systems: unsolved challenges. Neurocomputing, 2021, 452, 404-413.	5.9	6
17	Improving Energy Efficiency in Buildings Using Machine Intelligence. Lecture Notes in Computer Science, 2009, , 773-782.	1.3	6
18	Fuzzy rule learning with ACO in epilepsy crisis identification. , 2015, , .		5

#	Article	IF	Citations
19	Learning and training techniques in fuzzy control for energy efficiency in buildings. Logic Journal of the IGPL, 2012, 20, 757-769.	1.5	4
20	Machine learning usefulness relies on accuracy and self-maintenance. Lecture Notes in Computer Science, 1998, , 448-457.	1.3	4
21	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
22	Energy Saving by Means of Fuzzy Systems. Lecture Notes in Computer Science, 2007, , 155-167.	1.3	4
23	Analysing the Low Quality of the Data in Lighting Control Systems. Lecture Notes in Computer Science, 2010, , 421-428.	1.3	4
24	Improving wearable-based fall detection with unsupervised learning. Logic Journal of the IGPL, 2022, 30, 314-325.	1.5	4
25	Fall Detection Analysis Using a Real Fall Dataset. Advances in Intelligent Systems and Computing, 2019, , 334-343.	0.6	3
26	An ensemble solution for multivariate time series clustering. Neurocomputing, 2021, 457, 182-192.	5.9	3
27	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
28	A Thermodynamical Model Study for an Energy Saving Algorithm. Lecture Notes in Computer Science, 2009, , 384-390.	1.3	3
29	A SMOTE Extension for Balancing Multivariate Epilepsy-Related Time Series Datasets. Advances in Intelligent Systems and Computing, 2018, , 439-448.	0.6	3
30	Energy Saving By Means Of Multiagent Systems And Fuzzy Systems. IEEE Latin America Transactions, 2008, 6, 517-523.	1.6	2
31	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
32	Resource brokerage ontology for vendor-independent Cloud Service management. , 2017, , .		2
33	Intelligent decision support to determine the best sensory guardrail locations. Neurocomputing, 2019, 354, 41-48.	5.9	2
34	Efficiency in Electrical Heating Systems: An MAS Real World Application. Advances in Intelligent and Soft Computing, 2009, , 460-469.	0.2	2
35	Multi-objective learning of white box models with low quality data. Neurocomputing, 2012, 75, 219-225.	5.9	1
36	Simple heuristics for enhancing GP learning. Logic Journal of the IGPL, 2015, 23, 472-484.	1.5	1

#	Article	IF	Citations
37	When cloud meets battery. , 2018, , .		1
38	Design issues in Time Series dataset balancing algorithms. Neural Computing and Applications, 2020, 32, 1287-1304.	5.6	1
39	Transfer Learning Study for Horses Breeds Images Datasets Using Pre-trained ResNet Networks. Lecture Notes in Computer Science, 2021, , 256-264.	1.3	1
40	Simple Meta-optimization of the Feature MFCC for Public Emotional Datasets Classification. Lecture Notes in Computer Science, 2021, , 659-670.	1.3	1
41	Spanish Road Fork Traffic Analysis and Modelling. Lecture Notes in Computer Science, 2017, , 483-493.	1.3	1
42	Modelling of Heat Flux in Building Using Soft-Computing Techniques. Lecture Notes in Computer Science, 2010, , 636-645.	1.3	1
43	Evaluating the Low Quality Measurements in Lighting Control Systems. Advances in Intelligent and Soft Computing, 2010, , 119-126.	0.2	1
44	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
45	Comparing ACO Approaches in Epilepsy Seizures. Lecture Notes in Computer Science, 2016, , 261-272.	1.3	1
46	Fall Detection Based on Local Peaks andÂMachine Learning. Lecture Notes in Computer Science, 2020, , 631-643.	1.3	1
47	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
48	Low Quality Data Management for Optimising Energy Efficiency in Distributed Agents. Advances in Intelligent and Soft Computing, 2010, , 673-680.	0.2	0
49	Comparison of Fuzzy Functions for Low Quality Data GAP Algorithms. Lecture Notes in Computer Science, 2012, , 339-349.	1.3	0
50	Learning Fuzzy Models with a SAX-based Partitioning for Simulated Seizure Recognition. Advances in Intelligent Systems and Computing, 2017, , 20-30.	0.6	0
51	DTW as Alignment Function in the Context of Time Series Balancing. Advances in Intelligent Systems and Computing, 2020, , 209-218.	0.6	0
52	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