Ivanoe De Falco

List of Publications by Year
in descending order

62	925	471371 17	454834 30
papers	citations	h-index	g-index

68	68	68	933
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Classification of Covid-19 chest X-ray images by means of an interpretable evolutionary rule-based approach. Neural Computing and Applications, 2023, 35, 16061-16071.	3.2	11
2	A Two-Step Approach for Classification in Alzheimerâ€™s Disease. Sensors, 2022, 22, 3966.	2.1	6
3	Artificial Intelligence for Health. Computers, 2021, 10, 100.	2.1	1
4	Use of Machine Learning Algorithms to Identify Sleep Phases Starting from ECG Signals. Intelligent Systems Reference Library, 2021, , 273-290.	1.0	0
5	Automatic Extraction of Interpretable Knowledge to Predict the Survival of Patients with Heart Failure. , 2021, , .		0
6	Guest Editorial Enabling Technologies for Next Generation Telehealthcare. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 4240-4242.	3.9	0
7	Evaluation of artificial intelligence techniques for the classification of different activities of daily living and falls. Neural Computing and Applications, 2020, 32, 747-758.	3.2	19
8	Dynamic Load Balancing Based on Multi-Objective Extremal optimization. , 2020, , .		0
9	Non-Invasive Risk Stratification of Hypertension: A Systematic Comparison of Machine Learning Algorithms. Journal of Sensor and Actuator Networks, 2020, 9, 34.	2.3	12
10	Photoplethysmography and Machine Learning for the Hypertension Risk Stratification. , 2020, , .		2
11	Exploiting multi-objective parallel extremal optimization features in dynamic load balancing. , 2020, , .		0
12	A Continuous Noninvasive Arterial Pressure (CNAP) Approach for Health 4.0 Systems. IEEE Transactions on Industrial Informatics, 2019, 15, 498-506.	7.2	32
13	Towards a cyber physical system for personalised and automatic OSA treatment. IET Cyber-Physical Systems: Theory and Applications, 2019, 4, 156-163.	1.9	0
14	A mobile personalized tourist guide and its user evaluation. Information Technology and Tourism, 2019, 21, 413-455.	3.4	23
15	Evolution-based configuration optimization of a Deep Neural Network for the classification of Obstructive Sleep Apnea episodes. Future Generation Computer Systems, 2019, 98, 377-391.	4.9	23
16	Distributed Processor Load Balancing Based on Multi-objective ExtremalÂOptimization. Lecture Notes in Computer Science, 2019, , 158-168.	1.0	1
17	Effective processor load balancing using multi-objective parallel extremal optimization. , 2018, , .		4
18	Genetic Programming-based induction of a glucose-dynamics model for telemedicine. Journal of Network and Computer Applications, 2018, 119, 1-13.	5.8	23

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19	Multi-Objective Extremal Optimization inÂProcessor Load Balancing forÂDistributed Programs. Lecture Notes in Computer Science, 2018, , 176-188.	1.0	0
20	Detection of falling events through windowing and automatic extraction of sets of rules: Preliminary results. , 2017, , .		4
21	Multi-objective parallel extremal optimization in processor load balancing for distributed programs. , 2017, , .		1
22	A Statistical Analysis for the Evaluation of the Use of Wearable and Wireless Sensors for Fall Risk Reduction. , 2017, , .		1
23	Parallel Extremal Optimization with Guided Search and Crossover Applied to Load Balancing. Lecture Notes in Computer Science, 2016, , 437-447.	1.0	0
24	Parallel extremal optimization in processor load balancing for distributed applications. Applied Soft Computing Journal, 2016, 46, 187-203.	4.1	4
25	Optimizing Personalized Touristic Itineraries by a Multiobjective Evolutionary Algorithm. International Journal of Information Technology and Decision Making, 2016, 15, 1269-1312.	2.3	7
26	Easy fall risk assessment by estimating the Mini-BES test score. , 2016, , .		1
27	A Differential Evolution approach for classification of Multiple Sclerosis lesions. , 2016, , .		4
28	A supervised approach to automatically extract a set of rules to support fall detection in an mHealth system. Applied Soft Computing Journal, 2015, 34, 205-216.	4.1	35
29	On Finding Explicit Rules for Personalized Forecasting of Obstructive Sleep Apnea Episodes. , 2015, , .		8
30	Extremal Optimization applied to load balancing in execution of distributed programs. Applied Soft Computing Journal, 2015, 30, 501-513.	4.1	42
31	Mapping of time-consuming multitask applications on a cloud system by multiobjective Differential Evolution. Parallel Computing, 2015, 48, 40-58.	1.3	3
32	A Multiobjective Evolutionary Algorithm for Personalized Tours in Street Networks. Lecture Notes in Computer Science, 2015, , 115-127.	1.0	2
33	Parallel Extremal Optimization with Guided State Changes Applied to Load Balancing. Lecture Notes in Computer Science, 2015, , 79-90.	1.0	0
34	Using an adaptive invasion-based model for fast range image registration. , 2014, , .		3
35	Two new fast heuristics for mapping parallel applications on cloud computing. Future Generation Computer Systems, 2014, 37, 1-13.	4.9	13
36	An Automatic Rules Extraction Approach to Support OSA Events Detection in an mHealth System. IEEE Journal of Biomedical and Health Informatics, 2014, 18, 1518-1524.	3.9	34

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37	Multi-purpose mobile monitoring system based on automatic extraction of rule-sets. , 2014, , .		0
38	Monitoring Obstructive Sleep Apnea by means of a real-time mobile system based on the automatic extraction of sets of rules through Differential Evolution. Journal of Biomedical Informatics, 2014, 49, 84-100.	2.5	25
39	Classification of Potential Multiple Sclerosis Lesions Through Automatic Knowledge Extraction by Means of Differential Evolution. Lecture Notes in Computer Science, 2014, , 538-549.	1.0	0
40	Impact of the Topology on the Performance of Distributed Differential Evolution. Lecture Notes in Computer Science, 2014, , 75-85.	1.0	0
41	A General-Purpose mHealth System Relying on Knowledge Acquisition through Artificial Intelligence. Advances in Intelligent Systems and Computing, 2014, , 107-115.	0.5	0
42	Automatic extraction of effective rule sets for Obstructive Sleep Apnea detection for a real-time mobile monitoring system. , 2013, , .		0
43	Differential Evolution for automatic rule extraction from medical databases. Applied Soft Computing Journal, 2013, 13, 1265-1283.	4.1	59
44	Detecting Obstructive Sleep Apnea events in a real-time mobile monitoring system through automatically extracted sets of rules. , 2013, , .		2
45	Automatic Extraction of an Effective Rule Set for Fall Detection for a Real-Time Mobile Monitoring System. , 2013, , .		3
46	A medical diagnosis support system based on automatic knowledge extraction from databases through differential evolution. International Journal of Data Mining and Bioinformatics, 2013, 8, 396.	0.1	0
47	Distributed Java Programs Initial Mapping Based on Extremal Optimization. Lecture Notes in Computer Science, 2012, , 75-85.	1.0	0
48	A Model Based on Biological Invasions for Island Evolutionary Algorithms. Lecture Notes in Computer Science, 2012, , 157-168.	1.0	0
49	A Differential Evolution-Based System Supporting Medical Diagnosis through Automatic Knowledge Extraction from Databases. , 2011, , .		4
50	An evolutionary-fuzzy DSS for assessing health status in multiple sclerosis disease. International Journal of Medical Informatics, 2011, 80, e245-e254.	1.6	34
51	An adaptive multisite mapping for computationally intensive grid applications. Future Generation Computer Systems, 2010, 26, 857-867.	4.9	6
52	Extremal Optimization Approach Applied to Initial Mapping of Distributed Java Programs. Lecture Notes in Computer Science, 2010, , 180-191.	1.0	4
53	Distributed Differential Evolution for the Registration of Satellite and Multimodal Medical Imagery. Studies in Computational Intelligence, 2009, , 153-169.	0.7	3
54	Differential Evolution as a viable tool for satellite image registration. Applied Soft Computing Journal, 2008, 8, 1453-1462.	4.1	88

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55	A Multiobjective Evolutionary Approach for Multisite Mapping on Grids. Lecture Notes in Computer Science, 2008, , 991-1000.	1.0	1
56	Facing classification problems with Particle Swarm Optimization. Applied Soft Computing Journal, 2007, 7, 652-658.	4.1	150
57	Performance of genetic programming to extract the trend in noisy data series. Physica A: Statistical Mechanics and Its Applications, 2006, 370, 104-108.	1.2	28
58	Effects of extreme environmental changes on population dynamics. Physica A: Statistical Mechanics and Its Applications, 2006, 369, 619-631.	1.2	1
59	An evolutionary approach for automatically extracting intelligible classification rules. Knowledge and Information Systems, 2005, 7, 179-201.	2.1	22
60	The eruptive activity of Vesuvius and its neural architecture. Journal of Volcanology and Geothermal Research, 2002, 113, 111-118.	0.8	4
61	Discovering interesting classification rules with genetic programming. Applied Soft Computing Journal, 2002, 1, 257-269.	4.1	93
62	Mutation-based genetic algorithm: performance evaluation. Applied Soft Computing Journal, 2002, 1, 285-299.	4.1	67