Salvatore Rampone

List of Publications by Year
in descending order

56 papers	794 citations	566801 15 h-index	552369 26 g-index
58 all docs	58 docs citations	58 times ranked	766 citing authors

#	Article	IF	Citations
1	Towards the automated evaluation of product packaging in the Food&Beverage sector through data science/machine learning methods. Quality and Quantity, 2023, 57, 2269-2280.	2.0	3
2	In silico analysis of the antimicrobial activity of phytochemicals: towards a technological breakthrough. Computer Methods and Programs in Biomedicine, 2021, 200, 105820.	2.6	9
3	Evidence of the correlation between a city's air pollution and human health through soft computing. Soft Computing, 2021, 25, 15335-15343.	2.1	2
4	Exploring long-term trends in marine ecosystems: machine-learning approaches to global change biology. , 2021, , .		0
5	On the relationship between energy-related plants and oncological cases in Basilicata (Italy) using soft computing methods. Quality and Quantity, 2020, 54, 1387-1399.	2.0	0
6	SP-BRAIN: scalable and reliable implementations of a supervised relevance-based machine learning algorithm. Soft Computing, 2020, 24, 7417-7434.	2.1	1
7	Towards Near-Real-Time Intrusion Detection for IoT Devices using Supervised Learning and Apache Spark. Electronics (Switzerland), 2020, 9, 444.	1.8	44
8	Machine learning identifies a strong association between warming and reduced primary productivity in an oligotrophic ocean gyre. Scientific Reports, 2020, 10, 3287.	1.6	27
9	A Comparison of Apache Spark Supervised Machine Learning Algorithms for DNA Splicing Site Prediction. Smart Innovation, Systems and Technologies, 2020, , 133-143.	0.5	3
10	Detecting unfair recommendations in trust-based pervasive environments. Information Sciences, 2019, 486, 31-51.	4.0	36
11	A proposal for distinguishing between bacterial and viral meningitis using genetic programming and decision trees. Soft Computing, 2019, 23, 11775-11791.	2.1	73
12	Assessment of desertification vulnerability using soft computing methods. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 701-707.	3.3	11
13	Fast Eddy Current Testing Defect Classification Using Lissajous Figures. IEEE Transactions on Instrumentation and Measurement, 2018, 67, 821-830.	2.4	40
14	Cognitive Distributed Application Area Networks. , 2018, , 193-214.		2
15	A NAT traversal mechanism for cloud video surveillance applications using WebSocket. Multimedia Tools and Applications, 2018, 77, 25861-25888.	2.6	4
16	Toward a soft computing-based correlation between oxygen toxicity seizures and hyperoxic hyperpnea. Soft Computing, 2018, 22, 2421-2427.	2.1	16
17	Shimming Analysis of Carbon-Fiber Composite Materials with Eddy Current Testing. , 2018, , .		3
18	Developing a trust model for pervasive computing based on Apriori association rules learning and Bayesian classification. Soft Computing, 2017, 21, 6297-6315.	2.1	61

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19	Spacecraft autonomy modeled via Markov decision process and associative rule-based machine learning. , 2017, , .		13
20	Prediction of seasonal temperature using soft computing techniques: application in Benevento (Southern Italy) area. Journal of Ambient Intelligence and Humanized Computing, 2017, 8, 147-154.	3.3	8
21	Defining the Fuzzy Transform on Radial Basis. Lecture Notes in Computer Science, 2017, , 73-81.	1.0	0
22	Automated Eddy Current non-destructive testing through low definition lissajous figures. , 2016, , .		18
23	Feature extraction and soft computing methods for aerospace structure defect classification. Measurement: Journal of the International Measurement Confederation, 2016, 85, 192-209.	2.5	41
24	EVALUATION OF GREENHOUSE GAS EMISSIONS OF E-COMMERCE. , 2015, , .		1
25	An Artificial Intelligence-Based Trust Model for Pervasive Computing. , 2015, , .		15
26	Shape-based defect classification for non destructive testing. , 2015, , .		18
27	An uncertainty-managing batch relevance-based approach to network anomaly detection. Applied Soft Computing Journal, 2015, 36, 408-418.	4.1	57
28	A FOOD SAFETY AND TRACEABILITY SYSTEM BASED ON RFID TECHNOLOGIES AND SERVICES. , 2015, , .		0
29	A PROPOSAL FOR ADVANCED SERVICES AND DATA PROCESSING AIMING AT THE TERRITORIAL INTELLIGENCE DEVELOPMENT. , 2015, , .		1
30	Diagnosis of aerospace structure defects by a HPC implemented soft computing algorithm. , 2014, , .		12
31	Towards a HPC-oriented parallel implementation of a learning algorithm for bioinformatics applications. BMC Bioinformatics, 2014, 15, S2.	1.2	19
32	Three-and-six-month-before forecast of water resources in a karst aquifer in the Terminio massif (Southern Italy). Applied Soft Computing Journal, 2013, 13, 4077-4086.	4.1	7
33	NEURAL NETWORK AIDED GLITCH-BURST DISCRIMINATION AND GLITCH CLASSIFICATION. International Journal of Modern Physics C, 2013, 24, 1350084.	0.8	29
34	Assessing Consumer Credit Applications by a Genetic Programming Approach. Studies in Computational Intelligence, 2013, , 79-89.	0.7	2
35	NEURAL NETWORK AIDED EVALUATION OF LANDSLIDE SUSCEPTIBILITY IN SOUTHERN ITALY. International Journal of Modern Physics C, 2012, 23, 1250002.	0.8	15
36	NEURAL NETWORK AIDED EVALUATION OF LANDSLIDE SUSCEPTIBILITY IN SOUTHERN ITALY. International Journal of Modern Physics C, 2011, , .	0.8	1

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37	VLSI implementation of greedy-based distributed routing schemes for ad hoc networks. Soft Computing, 2007, 11, 865-872.	2.1	4
38	An incremental regression method for graph structured data. Neural Networks, 2005, 18, 1087-1092.	3.3	0
39	FPGA implementation of a greedy algorithm for set covering. , 2005, , .		9
40	An error tolerant software equipment for human DNA characterization. IEEE Transactions on Nuclear Science, 2004, 51, 2018-2026.	1.2	9
41	Some remarks on Bell's inequality tests. Europhysics Letters, 2003, 62, 154-160.	0.7	0
42	HS3D, A DATASET OF HOMO SAPIENS SPLICE REGIONS, AND ITS EXTRACTION PROCEDURE FROM A MAJOR PUBLIC DATABASE. International Journal of Modern Physics C, 2002, 13, 1105-1117.	0.8	43
43	An incremental multivariate regression method for function approximation from noisy data. Pattern Recognition, 2001, 34, 695-702.	5.1	5
44	Towards an incremental SVM for regression. , 2000, , .		19
45	SPEAKER NORMALIZATION IMPROVEMENT BY NEURAL NETWORK PARAMETER OPTIMIZATION. International Journal of Modern Physics C, 1999, 10, 1117-1135.	0.8	1
46	Function approximation from noisy data by an incremental RBF network. Pattern Recognition, 1999, 32, 2081-2083.	5.1	14
47	The BRAIN Learning Algorithm. Perspectives in Neural Computing, 1999, , 145-152.	0.1	0
48	Recognition of splice junctions on DNA sequences by BRAIN learning algorithm. Bioinformatics, 1998, 14, 676-684.	1.8	33
49	Response to the letter by Li and Cao. Neural Networks, 1997, 10, 1731-1732.	3.3	0
50	Neural net aided detection of astronomical periodicities in geologic records. Earth and Planetary Science Letters, 1996, 139, 33-45.	1.8	27
51	Outline of a linear neural network. Neurocomputing, 1996, 12, 187-201.	3.5	2
52	Linear codes interpolation from noisy patterns by means of a vector quantization process. Computers and Mathematics With Applications, 1995, 30, 91-106.	1.4	17
53	A neural network for error correcting decoding of binary linear codes. Neural Networks, 1994, 7, 195-202.	3.3	14
54	ADDITION AND SUBTRACTION IN NEURAL NETS AS RESULTS OF A LEARNING PROCESS **This work was supported in part by CNR, Progetto Finalizzato â€œSistemi Informatici e Calcolo Paralleloâ€, by MPI 40 % and by IIASS.. , 1991, , 1789-1792.		2

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55	Elementary Operations in Neural Nets: Addition and Subtraction. , 1990, , 835-835.		0
56	Splice-junction recognition on gene sequences (DNA) by BRAIN learning algorithm. , 0, , .		3