

# Salvatore Rampone

## List of Publications by Year in descending order

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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	A proposal for distinguishing between bacterial and viral meningitis using genetic programming and decision trees. <i>Soft Computing</i> , 2019, 23, 11775-11791.	2.1	73
2	Developing a trust model for pervasive computing based on Apriori association rules learning and Bayesian classification. <i>Soft Computing</i> , 2017, 21, 6297-6315.	2.1	61
3	An uncertainty-managing batch relevance-based approach to network anomaly detection. <i>Applied Soft Computing Journal</i> , 2015, 36, 408-418.	4.1	57
4	Towards Near-Real-Time Intrusion Detection for IoT Devices using Supervised Learning and Apache Spark. <i>Electronics (Switzerland)</i> , 2020, 9, 444.	1.8	44
5	HS3D, A DATASET OF HOMO SAPIENS SPLICE REGIONS, AND ITS EXTRACTION PROCEDURE FROM A MAJOR PUBLIC DATABASE. <i>International Journal of Modern Physics C</i> , 2002, 13, 1105-1117.	0.8	43
6	Feature extraction and soft computing methods for aerospace structure defect classification. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016, 85, 192-209.	2.5	41
7	Fast Eddy Current Testing Defect Classification Using Lissajous Figures. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2018, 67, 821-830.	2.4	40
8	Detecting unfair recommendations in trust-based pervasive environments. <i>Information Sciences</i> , 2019, 486, 31-51.	4.0	36
9	Recognition of splice junctions on DNA sequences by BRAIN learning algorithm. <i>Bioinformatics</i> , 1998, 14, 676-684.	1.8	33
10	NEURAL NETWORK AIDED GLITCH-BURST DISCRIMINATION AND GLITCH CLASSIFICATION. <i>International Journal of Modern Physics C</i> , 2013, 24, 1350084.	0.8	29
11	Neural net aided detection of astronomical periodicities in geologic records. <i>Earth and Planetary Science Letters</i> , 1996, 139, 33-45.	1.8	27
12	Machine learning identifies a strong association between warming and reduced primary productivity in an oligotrophic ocean gyre. <i>Scientific Reports</i> , 2020, 10, 3287.	1.6	27
13	Towards an incremental SVM for regression. , 2000, , .		19
14	Towards a HPC-oriented parallel implementation of a learning algorithm for bioinformatics applications. <i>BMC Bioinformatics</i> , 2014, 15, S2.	1.2	19
15	Shape-based defect classification for non destructive testing. , 2015, , .		18
16	Automated Eddy Current non-destructive testing through low definition lissajous figures. , 2016, , .		18
17	Linear codes interpolation from noisy patterns by means of a vector quantization process. <i>Computers and Mathematics With Applications</i> , 1995, 30, 91-106.	1.4	17
18	Toward a soft computing-based correlation between oxygen toxicity seizures and hyperoxic hyperpnea. <i>Soft Computing</i> , 2018, 22, 2421-2427.	2.1	16

#	ARTICLE	IF	CITATIONS
19	NEURAL NETWORK AIDED EVALUATION OF LANDSLIDE SUSCEPTIBILITY IN SOUTHERN ITALY. International Journal of Modern Physics C, 2012, 23, 1250002.	0.8	15
20	An Artificial Intelligence-Based Trust Model for Pervasive Computing. , 2015, , .		15
21	A neural network for error correcting decoding of binary linear codes. Neural Networks, 1994, 7, 195-202.	3.3	14
22	Function approximation from noisy data by an incremental RBF network. Pattern Recognition, 1999, 32, 2081-2083.	5.1	14
23	Spacecraft autonomy modeled via Markov decision process and associative rule-based machine learning. , 2017, , .		13
24	Diagnosis of aerospace structure defects by a HPC implemented soft computing algorithm. , 2014, , .		12
25	Assessment of desertification vulnerability using soft computing methods. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 701-707.	3.3	11
26	An error tolerant software equipment for human DNA characterization. IEEE Transactions on Nuclear Science, 2004, 51, 2018-2026.	1.2	9
27	FPGA implementation of a greedy algorithm for set covering. , 2005, , .		9
28	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
29	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
30	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
31	An incremental multivariate regression method for function approximation from noisy data. Pattern Recognition, 2001, 34, 695-702.	5.1	5
32	VLSI implementation of greedy-based distributed routing schemes for ad hoc networks. Soft Computing, 2007, 11, 865-872.	2.1	4
33	A NAT traversal mechanism for cloud video surveillance applications using WebSocket. Multimedia Tools and Applications, 2018, 77, 25861-25888.	2.6	4
34	Splice-junction recognition on gene sequences (DNA) by BRAIN learning algorithm. , 0, , .		3
35	Shimming Analysis of Carbon-Fiber Composite Materials with Eddy Current Testing. , 2018, , .		3
36	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

#	ARTICLE	IF	CITATIONS
37	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
38	Outline of a linear neural network. Neurocomputing, 1996, 12, 187-201.	3.5	2
39	Cognitive Distributed Application Area Networks. , 2018, , 193-214.		2
40	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
41	Assessing Consumer Credit Applications by a Genetic Programming Approach. Studies in Computational Intelligence, 2013, , 79-89.	0.7	2
42	ADDITION AND SUBTRACTION IN NEURAL NETS AS RESULTS OF A LEARNING PROCESS **This work was supported in part by CNR, Progetto Finalizzato "Sistemi Informatici e Calcolo Parallelo", by MPI 40 % and by IIASS.. , 1991, , 1789-1792.		2
43	SPEAKER NORMALIZATION IMPROVEMENT BY NEURAL NETWORK PARAMETER OPTIMIZATION. International Journal of Modern Physics C, 1999, 10, 1117-1135.	0.8	1
44	EVALUATION OF GREENHOUSE GAS EMISSIONS OF E-COMMERCE. , 2015, , .		1
45	SP-BRAIN: scalable and reliable implementations of a supervised relevance-based machine learning algorithm. Soft Computing, 2020, 24, 7417-7434.	2.1	1
46	NEURAL NETWORK AIDED EVALUATION OF LANDSLIDE SUSCEPTIBILITY IN SOUTHERN ITALY. International Journal of Modern Physics C, 2011, , .	0.8	1
47	A PROPOSAL FOR ADVANCED SERVICES AND DATA PROCESSING AIMING AT THE TERRITORIAL INTELLIGENCE DEVELOPMENT. , 2015, , .		1
48	Response to the letter by Li and Cao. Neural Networks, 1997, 10, 1731-1732.	3.3	0
49	Some remarks on Bell's inequality tests. Europhysics Letters, 2003, 62, 154-160.	0.7	0
50	An incremental regression method for graph structured data. Neural Networks, 2005, 18, 1087-1092.	3.3	0
51	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
52	Elementary Operations in Neural Nets: Addition and Subtraction. , 1990, , 835-835.		0
53	The BRAIN Learning Algorithm. Perspectives in Neural Computing, 1999, , 145-152.	0.1	0
54	A FOOD SAFETY AND TRACEABILITY SYSTEM BASED ON RFID TECHNOLOGIES AND SERVICES. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
55	Defining the Fuzzy Transform on Radial Basis. Lecture Notes in Computer Science, 2017, , 73-81.	1.0	0
56	Exploring long-term trends in marine ecosystems: machine-learning approaches to global change biology., 2021, , .		0