

# Nelson Francisco Favilla Ebecken

## List of Publications by Year in descending order

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54  
papers

839  
citations

430754

18  
h-index

526166

27  
g-index

55  
all docs

55  
docs citations

55  
times ranked

905  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sugarcane yield prediction in Brazil using NDVI time series and neural networks ensemble. <i>International Journal of Remote Sensing</i> , 2017, 38, 4631-4644.	1.3	74
2	Extracting rules from multilayer perceptrons in classification problems: A clustering-based approach. <i>Neurocomputing</i> , 2006, 70, 384-397.	3.5	68
3	FuzzyFTA: a fuzzy fault tree system for uncertainty analysis. <i>Annals of Nuclear Energy</i> , 1999, 26, 523-532.	0.9	61
4	Optimization of mass concrete construction using genetic algorithms. <i>Computers and Structures</i> , 2004, 82, 281-299.	2.4	53
5	Bayesian networks for imputation in classification problems. <i>Journal of Intelligent Information Systems</i> , 2007, 29, 231-252.	2.8	46
6	A hybrid fuzzy/genetic algorithm for the design of offshore oil production risers. <i>International Journal for Numerical Methods in Engineering</i> , 2005, 64, 1459-1482.	1.5	38
7	Towards efficient variables ordering for Bayesian networks classifier. <i>Data and Knowledge Engineering</i> , 2007, 63, 258-269.	2.1	37
8	Generalized extreme wind speed distributions in South America over the Atlantic Ocean region. <i>Theoretical and Applied Climatology</i> , 2011, 104, 377-385.	1.3	28
9	A comparison of models for uncertainty analysis by the finite element method. <i>Finite Elements in Analysis and Design</i> , 2000, 34, 211-232.	1.7	27
10	GOLS – Genetic orthogonal least squares algorithm for training RBF networks. <i>Neurocomputing</i> , 2006, 69, 2041-2064.	3.5	24
11	Knowledge discovering for coastal waters classification. <i>Expert Systems With Applications</i> , 2009, 36, 8604-8609.	4.4	24
12	A Data Based Model to Predict Landslide Induced by Rainfall in Rio de Janeiro City. <i>Geotechnical and Geological Engineering</i> , 2012, 30, 85-94.	0.8	24
13	Evaluating the Correlation Between Objective Rule Interestingness Measures and Real Human Interest. <i>Lecture Notes in Computer Science</i> , 2005, , 453-461.	1.0	24
14	Parameter Identification of Recurrent Fuzzy Systems With Fuzzy Finite-State Automata Representation. <i>IEEE Transactions on Fuzzy Systems</i> , 2008, 16, 213-224.	6.5	22
15	Data mining for environmental analysis and diagnostic: a case study of upwelling ecosystem of Arraial do Cabo. <i>Brazilian Journal of Oceanography</i> , 2008, 56, 1-12.	0.6	22
16	Fuzzy modelling of chlorophyll production in a Brazilian upwelling system. <i>Ecological Modelling</i> , 2009, 220, 1506-1512.	1.2	22
17	Determination of probabilistic parameters of concrete: solving the inverse problem by using artificial neural networks. <i>Computers and Structures</i> , 2000, 78, 497-503.	2.4	20
18	Design of interpretable fuzzy rule-based classifiers using spectral analysis with structure and parameters optimization. <i>Fuzzy Sets and Systems</i> , 2009, 160, 857-881.	1.6	20

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19	The impact of constitutive modeling of porous rocks on 2-D wellbore stability analysis. Journal of Petroleum Science and Engineering, 2005, 46, 81-100.	2.1	18
20	Intelligent hybrid system for dark spot detection using SAR data. Expert Systems With Applications, 2017, 81, 384-397.	4.4	18
21	Performance Evaluation of Modularity Based Community Detection Algorithms in Large Scale Networks. Mathematical Problems in Engineering, 2014, 2014, 1-15.	0.6	15
22	A feature selection bayesian approach for extracting classification rules with a clustering genetic algorithm. Applied Artificial Intelligence, 2003, 17, 489-506.	2.0	12
23	Combining in situ flow cytometry and artificial neural networks for aquatic systems monitoring. Expert Systems With Applications, 2011, 38, 9626-9632.	4.4	12
24	Long-Term Runoff Modeling Using Rainfall Forecasts with Application to the Iguaçu River Basin. Water Resources Management, 2011, 25, 963-985.	1.9	12
25	An immune-inspired instance selection mechanism for supervised classification. Memetic Computing, 2012, 4, 135-147.	2.7	12
26	Bayesian Classifiers Applied to the Tennessee Eastman Process. Risk Analysis, 2014, 34, 485-497.	1.5	10
27	Uncertainty in Thermal Basin Modeling: An Interval Finite Element Approach. Reliable Computing, 2006, 12, 451-470.	0.8	9
28	On the influence of imputation in classification: practical issues. Journal of Experimental and Theoretical Artificial Intelligence, 2009, 21, 43-58.	1.8	9
29	Bayesian network classifiers: Beyond classification accuracy. Intelligent Data Analysis, 2011, 15, 279-298.	0.4	9
30	Coevolutionary multi-population genetic programming for data classification. , 2010, , .		8
31	Convolutional Neural Networks and Long Short-Term Memory Networks for Textual Classification of Information Access Requests. IEEE Latin America Transactions, 2021, 19, 826-833.	1.2	6
32	Development of a ship classification method based on Convolutional neural network and Cyclostationarity Analysis. Mechanical Systems and Signal Processing, 2022, 170, 108778.	4.4	6
33	Automatic recognition of coastal and oceanic environmental events with orbital radars. , 2007, , .		5
34	Potential collaboration discovery using document clustering and community structure detection. , 2009, , .		5
35	A Bayesian imputation method for a clustering genetic algorithm. Journal of Computational Methods in Sciences and Engineering, 2011, 11, 173-183.	0.1	4
36	Large and mesoscale meteo-oceanographic patterns in local responses of biogeochemical concentrations. Environmental Monitoring and Assessment, 2012, 184, 6935-6956.	1.3	3

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37	Multiway analysis in data SONAR classification. Mechanical Systems and Signal Processing, 2014, 45, 531-541.	4.4	3
38	Occurrence of emergencies and disaster analysis according to precipitation amount. Natural Hazards, 2017, 85, 1437-1459.	1.6	3
39	Community Detection by an Efficient Ant Colony Approach. Lecture Notes in Computer Science, 2014, , 1-9.	1.0	3
40	Evolutionary algorithms to simulate the phylogenesis of a binary artificial immune system. Evolutionary Intelligence, 2008, 1, 133-144.	2.3	2
41	A Process for Innovation in a Collaborative Network. Journal of Information and Knowledge Management, 2011, 10, 183-192.	0.8	2
42	Fuzzy modeling of plankton networks. Ecological Modelling, 2016, 337, 149-155.	1.2	2
43	Healthy behavior with social apps: Proposal for evolution study of the use of fitness social apps on Facebook. , 2016, , .		1
44	Exploring complex networks in the plankton. IEEE Latin America Transactions, 2016, 14, 3838-3846.	1.2	1
45	Análise de Tendências Anuais e Sazonais de Extremos da Temperatura da Superfície do Mar Próximo À Costa da América do Sul no Período de 1979 a 2018. Revista Brasileira De Geografia Física, 2020, 13, 2531.	0.0	1
46	Numerical simulation of the "pull-in" operation in submarine pipelines. Engineering Structures, 1997, 19, 868-876.	2.6	0
47	Methodology for eddies recognition from satellite images. , 2010, , .		0
48	Concept map construction applying natural language processing on text extracted from e-commerce web pages. , 2011, , .		0
49	Specialized File Transfer Service for Large Oil and Gas Datasets. , 2013, , .		0
50	FitRank " Social app to combat physical inactivity study of the use of fitness social apps on Facebook's users profiles. , 2017, , .		0
51	Turbulent shallow-water model for orographic subgrid-scale perturbations. Revista Brasileira De Ciencias Mecanicas/Journal of the Brazilian Society of Mechanical Sciences, 2000, 22, 83-92.	0.1	0
52	Studying Reciprocity and Communication Probability Ratio in Weighted Phone Call Ego Networks. Studies in Computational Intelligence, 2015, , 201-208.	0.7	0
53	Análise e modelagem numérica da atmosfera na avaliação e prevenção de riscos decorrentes de eventos meteorológicos extremos: estudo de caso para Petrópolis, RJ - Brasil. Estudos Cindalógicos, 2018, , 311-329.	0.1	0
54	PHYSICAL ACTIVITY LEVEL OF FACEBOOK USERS. Revista Brasileira De Medicina Do Esporte, 2020, 26, 517-522.	0.1	0