

Marley Vellasco

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7080395/publications.pdf>

Version: 2024-02-01

257
papers

1,912
citations

448610

19
h-index

511568

30
g-index

276
all docs

276
docs citations

276
times ranked

1634
citing authors

#	ARTICLE	IF	CITATIONS
1	An Evaluation Framework for User Experience Using Eye Tracking, Mouse Tracking, Keyboard Input, and Artificial Intelligence: A Case Study. <i>International Journal of Human-Computer Interaction</i> , 2022, 38, 646-660.	3.3	7
2	Explainable Artificial Intelligence for COVID-19 Diagnosis Through Blood Test Variables. <i>Journal of Control, Automation and Electrical Systems</i> , 2022, 33, 625-644.	1.2	10
3	Evolved explainable classifications for lymph node metastases. <i>Neural Networks</i> , 2022, 148, 1-12.	3.3	4
4	Quantum-inspired evolutionary algorithm applied to neural architecture search. <i>Applied Soft Computing Journal</i> , 2022, 120, 108674.	4.1	9
5	Neuroevolutionary Models Based on Quantum-Inspired Evolutionary Algorithms. <i>Women in Engineering and Science</i> , 2022, , 303-333.	0.2	1
6	Fuzzy logic for control of injector wells flow rates under produced water reinjection. <i>Journal of Petroleum Science and Engineering</i> , 2022, 215, 110574.	2.1	1
7	A New Model to Distinguish Railhead Defects Based on Set-Membership Type-2 Fuzzy Logic System. <i>International Journal of Fuzzy Systems</i> , 2021, 23, 1057-1069.	2.3	8
8	Quantum-inspired neuro coevolution model applied to coordination problems. <i>Expert Systems With Applications</i> , 2021, 167, 114133.	4.4	6
9	Explainable Artificial Intelligence for Bias Detection in COVID CT-Scan Classifiers. <i>Sensors</i> , 2021, 21, 5657.	2.1	21
10	Unsupervised Machine Learning Applied to Seismic Interpretation: Towards an Unsupervised Automated Interpretation Tool. <i>Sensors</i> , 2021, 21, 6347.	2.1	4
11	Sharpening Local Interpretable Model-Agnostic Explanations for Histopathology: Improved Understandability and Reliability. <i>Lecture Notes in Computer Science</i> , 2021, , 540-549.	1.0	7
12	A Propose of Genetic Operators for Quantum Algorithms with Real Representation. , 2021, , .		1
13	A Portable Fuzzy Driver Drowsiness Estimation System. <i>Sensors</i> , 2020, 20, 4093.	2.1	16
14	IEEE DSAA–The IEEE Flagship Conference in Data Science [Society Briefs]. <i>IEEE Computational Intelligence Magazine</i> , 2020, 15, 9-11.	3.4	0
15	Chaotic Quantum-inspired Evolutionary Algorithm: enhancing feature selection in BCI. , 2020, , .		5
16	Investigating Optimal Regimes for Prediction in the Stock Market. , 2020, , .		0
17	Development of offshore maintenance service scheduling system with workers allocation. , 2020, , .		2
18	IEEE CIS VP-Conferences Vision Statement [Society Briefs]. <i>IEEE Computational Intelligence Magazine</i> , 2020, 15, 10-11.	3.4	2

#	ARTICLE	IF	CITATIONS
19	Prototype of Robotic Device for Mobility Assistance for the Elderly in Urban Environments. <i>Sensors</i> , 2020, 20, 3056.	2.1	2
20	Neuroevolutionary learning in nonstationary environments. <i>Applied Intelligence</i> , 2020, 50, 1590-1608.	3.3	4
21	SimProxy Decision Support System: A Neural Network Proxy Applied to Reservoir and Surface Integrated Optimization. <i>IEEE Systems Journal</i> , 2020, 14, 5111-5120.	2.9	7
22	Quantum-Inspired Genetic Programming Algorithm for the Crude Oil Scheduling of a Real-World Refinery. <i>IEEE Systems Journal</i> , 2020, 14, 3926-3937.	2.9	6
23	Deep Regression Counting: Customized Datasets and Inter-Architecture Transfer Learning. <i>Proceedings of the International Neural Networks Society</i> , 2020, , 109-119.	0.6	0
24	Índice de Qualidade Final “Um Novo Índice para Avaliação de Agrupamento Aplicado à Análise da Infraestrutura do Rio de Janeiro” um estudo comparativo entre bairros e favelas. <i>Brazilian Journal of Development</i> , 2020, 6, 28958-28984.	0.0	0
25	Approximate Explanations for Classification of Histopathology Patches. <i>Communications in Computer and Information Science</i> , 2020, , 517-526.	0.4	0
26	A Monetary Policy Strategy Based on Genetic Algorithms and Neural Networks. <i>Proceedings of the International Neural Networks Society</i> , 2020, , 605-616.	0.6	0
27	New Water and Biotic Quality Assessment Indices for a tropical reservoir based on fuzzy logic. <i>Revista Ambiente & Água</i> , 2020, 15, 1.	0.1	1
28	Automatic synthesis of fuzzy systems: An evolutionary overview with a genetic programming perspective. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2019, 9, e1251.	4.6	6
29	User Experience Evaluation Using Mouse Tracking and Artificial Intelligence. <i>IEEE Access</i> , 2019, 7, 96506-96515.	2.6	26
30	Local Interpretable Model-Agnostic Explanations for Classification of Lymph Node Metastases. <i>Sensors</i> , 2019, 19, 2969.	2.1	84
31	Resource optimization for elective surgical procedures using quantum-inspired genetic algorithms. , 2019, , .		3
32	PSO+: A new particle swarm optimization algorithm for constrained problems. <i>Applied Soft Computing Journal</i> , 2019, 85, 105865.	4.1	62
33	Ideal neighbourhood mask for speech enhancement using deep neural networks. , 2019, , .		1
34	Quantum-Inspired Neural Architecture Search. , 2019, , .		10
35	Quantum-inspired evolutionary multi-objective fuzzy classifier with real and categorical representation. <i>Journal of Intelligent and Fuzzy Systems</i> , 2019, 36, 5875-5887.	0.8	2
36	Classifying Periodic Astrophysical Phenomena from non-survey optimized variable-cadence observational data. <i>Expert Systems With Applications</i> , 2019, 131, 94-115.	4.4	4

#	ARTICLE	IF	CITATIONS
37	Q-NAS Revisited: Exploring Evolution Fitness to Improve Efficiency. , 2019, , .		2
38	Design and Development of an Autonomous Mobile Robot for Inspection of Soy and Cotton Crops. , 2019, , .		6
39	On the Intelligent Control Design of an Agricultural Mobile Robot for Cotton Crop Monitoring. , 2019, , .		3
40	Comparative Study of Computer Vision Models for Insect Pest Identification in Complex Backgrounds. , 2019, , .		1
41	SENFIS - Selected Ensemble of Fuzzy Inference Systems. , 2019, , .		3
42	An enhanced aircraft engine gas path diagnostic method based on upper and lower singleton type-2 fuzzy logic system. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	0.8	9
43	An assessment of rolled stainless steel angles under compression. , 2019, , 1118-1123.		0
44	Ideal neighbourhood mask for speech enhancement. Electronics Letters, 2018, 54, 317-318.	0.5	6
45	An enhanced singleton type-2 fuzzy logic system for fault classification in a railroad switch machine. Electric Power Systems Research, 2018, 158, 195-206.	2.1	13
46	A unified solution in fuzzy capital budgeting. Expert Systems With Applications, 2018, 98, 27-42.	4.4	6
47	DetectA: abrupt concept drift detection in non-stationary environments. Applied Soft Computing Journal, 2018, 62, 119-133.	4.1	33
48	A Biased Random-Key Genetic Algorithm for the Rescue Unit Allocation and Scheduling Problem. , 2018, , .		8
49	Quantum-Inspired Optimization of Echo State Networks Applied to System Identification. , 2018, , .		2
50	GRAPE: Genetic Routine for Astronomical Period Estimation. Monthly Notices of the Royal Astronomical Society, 2018, 479, 5196-5213.	1.6	2
51	Conference Report on 2018 IEEE World Congress on Computational Intelligence (IEEE WCCI 2018) [Conference Reports]. IEEE Computational Intelligence Magazine, 2018, 13, 7-9.	3.4	1
52	Quantum-inspired Evolutionary Algorithm for Feature Selection in Motor Imagery EEG Classification. , 2018, , .		6
53	Detection and Classification of Faults in Aeronautical Gas Turbine Engine: a Comparison Between two Fuzzy Logic Systems. , 2018, , .		2
54	Crude oil refinery scheduling. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
55	Segregaço de Voz Usando Mascaramento INM sobre o Banco de Filtros Gammatone. , 2018, , .		0
56	Modified Methods of Capital Budgeting Under Uncertainties: An Approach Based on Fuzzy Numbers and Interval Arithmetic. Communications in Computer and Information Science, 2018, , 777-789.	0.4	2
57	Controle de um Sistema de Navegaço de um Rob Ambiental Hbrido por meio de um Sistema de Inferncia Fuzzy Hierrquico. TeMa, 2018, 19, 235.	0.1	0
58	Evolving Spiking Neural Networks for Recognition of Aged Voices. Journal of Voice, 2017, 31, 24-33.	0.6	13
59	Set-Membership Type-1 Fuzzy Logic System Applied to Fault Classification in a Switch Machine. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 2703-2712.	4.7	16
60	Porosity estimation by semi-supervised learning with sparsely available labeled samples. Computers and Geosciences, 2017, 106, 33-48.	2.0	13
61	Hybrid model based on genetic algorithms and neural networks to forecast tax collection: Application using endogenous and exogenous variables. , 2017, , .		7
62	The classification of periodic light curves from non-survey optimized observational data through automated extraction of phase-based visual features. , 2017, , .		4
63	Ensemble of classifiers applied to motor imagery task classification for BCI applications. , 2017, , .		16
64	Neural network nonlinear plant identification as a tool in intelligent controller design. , 2017, , .		2
65	Quantum inspired evolutionary algorithm for ordering problems. Expert Systems With Applications, 2017, 67, 71-83.	4.4	35
66	Feature importance calculation and protein quality assessment on the decoy discrimination problem. , 2017, , .		0
67	Computing derivatives in interval type-2 fuzzy logic systems trained by steepest descent method for fault classification in a switch machine. , 2017, , .		1
68	Finite Element Modelling. , 2017, , 209-382.		0
69	Experimental Modelling. , 2017, , 9-208.		0
70	Computational Intelligence Modelling. , 2017, , 383-432.		2
71	RandomFIS: A Fuzzy Classification System for Big Datasets. Advances in Intelligent Systems and Computing, 2017, , 262-272.	0.5	2
72	SMS-EDA-MEC: Extending Copula-based EDAs to multi-objective optimization. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
73	A fuzzy inference system for multispectral image classification. , 2016, , .		3
74	Spatial Filter comparison for a Brain Computer Interface. , 2016, , .		1
75	Robotic device for mobility assistance to elderly people in urban environments. , 2016, , .		1
76	Polarity classification on web-based reviews using Support Vector Machine. , 2016, , .		2
77	Feature Selection methods applied to Motor Imagery task classification. , 2016, , .		8
78	PSO+: A nonlinear constraints-handling particle swarm optimization. , 2016, , .		7
79	Evolutionary algorithms and elliptical copulas applied to continuous optimization problems. Information Sciences, 2016, 369, 419-440.	4.0	9
80	AutoMFIS: Fuzzy Inference System for multivariate time series forecasting. , 2016, , .		1
81	EANN 2014: a fuzzy logic system trained by conjugate gradient methods for fault classification in a switch machine. Neural Computing and Applications, 2016, 27, 1175-1189.	3.2	22
82	Neuro-genetic system for optimization of GMI samples sensitivity. Neural Networks, 2016, 75, 141-149.	3.3	1
83	A Novel Genetic Fuzzy System for Regression Problems. Studies in Fuzziness and Soft Computing, 2016, , 85-101.	0.6	2
84	Analysis and Classification of Voice Pathologies Using Glottal Signal Parameters. Journal of Voice, 2016, 30, 549-556.	0.6	37
85	Automatic Synthesis of Fuzzy Inference Systems for Classification. Communications in Computer and Information Science, 2016, , 486-497.	0.4	3
86	Quantum-Inspired Features and Parameter Optimization of Spiking Neural Networks for a Case Study from Atmospheric. Procedia Computer Science, 2015, 53, 74-81.	1.2	6
87	A2D2: A pre-event abrupt drift detection. , 2015, , .		0
88	Development of a fuzzy rule-based system using Genetic Programming for Forecasting problems. , 2015, , .		2
89	Introduction to CircuitML: Modeling Local Processing Units in the drosophila brain. , 2015, , .		0
90	Neural Expert Weighting: A NEW framework for dynamic forecast combination. Expert Systems With Applications, 2015, 42, 8625-8636.	4.4	14

#	ARTICLE	IF	CITATIONS
91	GPFIS-CLASS: A Genetic Fuzzy System based on Genetic Programming for classification problems. Applied Soft Computing Journal, 2015, 37, 561-571.	4.1	20
92	Magnetorheological Damper Control in a Leg Prosthesis Mechanical. Advances in Intelligent Systems and Computing, 2015, , 805-818.	0.5	5
93	Closed Loop Identification of Nuclear Steam Generator Water Level Using ESN Network Tuned by Genetic Algorithm. Communications in Computer and Information Science, 2015, , 13-23.	0.4	2
94	Modelando Unidades de Processamento Local no CÃ©rebro da DrosÃ³fila Melanogaster em CircuitML. , 2015, , .		0
95	Modelo HÃıbrido Neuro-EvolucionÃ¡rio para Problemas de Agrupamento utilizando Redes Neurais Spiking. , 2015, , .		0
96	INTELLIGENT MULTIAGENT COORDINATION BASED ON REINFORCEMENT HIERARCHICAL NEURO-FUZZY MODELS. International Journal of Neural Systems, 2014, 24, 1450031.	3.2	15
97	Lithology discrimination using seismic elastic attributes. , 2014, , .		0
98	Towards a quantum-inspired multi-gene linear genetic programming model. , 2014, , .		0
99	Quantum-Inspired Multi-gene Linear Genetic Programming Model for Regression Problems. , 2014, , .		2
100	GPFIS-Control: A fuzzy Genetic model for Control tasks. , 2014, , .		2
101	NEVE++: A neuro-evolutionary unlimited ensemble for adaptive learning. , 2014, , .		3
102	Multi-agent systems with reinforcement hierarchical neuro-fuzzy models. Autonomous Agents and Multi-Agent Systems, 2014, 28, 867-895.	1.3	9
103	Evolutionary features and parameter optimization of spiking neural networks for unsupervised learning. , 2014, , .		4
104	Classification of Vocal Aging Using Parameters Extracted From the Glottal Signal. Journal of Voice, 2014, 28, 532-537.	0.6	6
105	Fault detection and measurements correction for multiple sensors using a modified autoassociative neural network. Neural Computing and Applications, 2014, 24, 1929-1941.	3.2	6
106	Classification of Events in Switch Machines Using Bayes, Fuzzy Logic System and Neural Network. Communications in Computer and Information Science, 2014, , 81-91.	0.4	8
107	GPFIS-Control: A Genetic Fuzzy System For Control Tasks. Journal of Artificial Intelligence and Soft Computing Research, 2014, 4, 167-179.	3.5	14
108	Trajectory Tracking Control Using Echo State Networks for the CoroBotâ€™s Arm. Advances in Intelligent Systems and Computing, 2014, , 433-447.	0.5	4

#	ARTICLE	IF	CITATIONS
109	Nonconvex Functions Optimization Using an Estimation of Distribution Algorithm Based on a Multivariate Extension of the Clayton Copula. Lecture Notes in Computer Science, 2014, , 318-326.	1.0	1
110	Modelagem Num�rica com o M�todo dos Elementos Finitos. , 2014, , 165-284.		0
111	Understanding the Treatment of Outliers in Multi-Objective Estimation of Distribution Algorithms. Lecture Notes in Computer Science, 2014, , 359-370.	1.0	0
112	Modelagem com T�cnicas de Intelig�ncia Computacional. , 2014, , 285-324.		0
113	Modelagem Experimental. , 2014, , 7-164.		0
114	Fuzzy rules extraction from support vector machines for multi-class classification. Neural Computing and Applications, 2013, 22, 1571-1580.	3.2	16
115	GPF-CLASS: A Genetic Fuzzy model for classification. , 2013, , .		9
116	Estimation of Distribution Algorithm Based on a Multivariate Extension of the Archimedean Copula. , 2013, , .		2
117	A quantum-inspired evolutionary algorithm for fuzzy classification. , 2013, , .		0
118	A fuzzy-genetic system for rule extraction from support vector machines. , 2013, , .		0
119	Using ensembles for adaptive learning: A comparative approach. , 2013, , .		3
120	LEARNING UNDER CONCEPT DRIFT USING A NEURO-EVOLUTIONARY ENSEMBLE. International Journal of Computational Intelligence and Applications, 2013, 12, 1340002.	0.6	6
121	NEVE: A Neuro-Evolutionary Ensemble for Adaptive Learning. IFIP Advances in Information and Communication Technology, 2013, , 636-645.	0.5	4
122	Comparative Analysis of Arm Control Performance Using Computational Intelligence. Advances in Intelligent Systems and Computing, 2013, , 187-197.	0.5	0
123	Hybrid recommendation system based on collaborative filtering and fuzzy numbers. , 2012, , .		3
124	Human Capital valuation and return of investment on corporate education. Expert Systems With Applications, 2012, 39, 11934-11943.	4.4	4
125	Quantum-inspired genetic algorithms applied to ordering combinatorial optimization problems. , 2012, , .		3
126	Modelagem da sensibilidade de amostras GMI por redes neurais. Controle and Automacao, 2012, 23, 636-648.	0.2	3

#	ARTICLE	IF	CITATIONS
127	FUZZYFUTURE: Ferramenta de Previsão de Séries Temporais Baseada em Sistema Híbrido Fuzzy-Genético. Learning and Nonlinear Models, 2012, 10, 99-108.	0.2	1
128	Combining Forecasts. International Journal of Natural Computing Research, 2012, 3, 41-58.	0.5	3
129	Measurement Correction for Multiple Sensors Using Modified Autoassociative Neural Networks. Communications in Computer and Information Science, 2012, , 135-144.	0.4	0
130	Speeding Up the Training of Neural Networks with CUDA Technology. Lecture Notes in Computer Science, 2012, , 30-38.	1.0	0
131	Monitoramento e diagnóstico de múltiplos sensores por redes neurais auto-associativas. Controle and Automacao, 2012, 23, 121-137.	0.2	0
132	Modeling the young modulus of nanocomposites: A neural network approach. , 2011, , .		2
133	Hierarchical type-2 neuro-fuzzy BSP model. Information Sciences, 2011, 181, 3210-3224.	4.0	9
134	A stochastic model based on neural networks. , 2011, , .		2
135	An Intelligent Model for Self-compensation and Self-validation of Sensor Measurements. Lecture Notes in Computer Science, 2011, , 269-276.	1.0	0
136	Optimization system for valve control in intelligent wells under uncertainties. Journal of Petroleum Science and Engineering, 2010, 73, 129-140.	2.1	47
137	Neural expert weighing. , 2010, , .		0
138	A new approach for history matching of oil and gas reservoir. , 2010, , .		0
139	Methods for acceleration of learning process of Reinforcement Learning Neuro-Fuzzy Hierarchical Politree model. , 2010, , .		3
140	Quantum-Inspired Evolutionary Algorithms applied to numerical optimization problems. , 2010, , .		18
141	Classification of voice aging using ANN and glottal signal parameters. , 2010, , .		6
142	Classification of Voice Aging Using Parameters Extracted from the Glottal Signal. Lecture Notes in Computer Science, 2010, , 149-156.	1.0	2
143	Classification of voice aging based on the glottal signal. , 2010, , .		0
144	Irregularity detection on low tension electric installations by neural network ensembles. , 2009, , .		27

#	ARTICLE	IF	CITATIONS
145	PROMETHEE and Fuzzy PROMETHEE Multicriteria Methods for Ranking Equipment Failure Modes. , 2009, , .		10
146	Decision Support System for Diagnosis of Power Transformers. , 2009, , .		1
147	A new model for credit approval problems: A quantum-inspired neuro-evolutionary algorithm with binary-real representation. , 2009, , .		14
148	Well Placement Optimization Using a Genetic Algorithm With Nonlinear Constraints. , 2009, , .		110
149	Mental Tasks Classification for a Noninvasive BCI Application. Lecture Notes in Computer Science, 2009, , 495-504.	1.0	11
150	Hierarchical Neuro-Fuzzy Systems Part I. , 2009, , 808-816.		3
151	Hierarchical Neuro-Fuzzy Systems Part II. , 2009, , 817-824.		3
152	Fuzzy Rules Extraction from Support Vector Machines for Multi-class Classification with Feature Selection. Lecture Notes in Computer Science, 2009, , 386-393.	1.0	1
153	Decision Support Methods. Studies in Computational Intelligence, 2009, , 23-96.	0.7	3
154	Trading Strategy in Foreign Exchange Market Using Reinforcement Learning Hierarchical Neuro-Fuzzy Systems. Lecture Notes in Computer Science, 2009, , 461-468.	1.0	0
155	Real Options Theory. Studies in Computational Intelligence, 2009, , 7-22.	0.7	0
156	Intelligent Optimization System for Selecting Alternatives for Oil Field Exploration by Means of Evolutionary Computation. Studies in Computational Intelligence, 2009, , 97-137.	0.7	0
157	Real Option Value Calculation by Monte Carlo Simulation and Approximation by Fuzzy Numbers and Genetic Algorithms. Studies in Computational Intelligence, 2009, , 139-186.	0.7	0
158	Analysis of Alternatives for Oil Field Development under Uncertainty. Studies in Computational Intelligence, 2009, , 187-225.	0.7	0
159	ANEPI: Economic Analysis of Oil Field Development Projects under Uncertainty. Studies in Computational Intelligence, 2009, , 1-5.	0.7	1
160	Computational intelligence applied to the growth of quantum dots. Journal of Crystal Growth, 2008, 310, 5063-5065.	0.7	5
161	A neuro-fuzzy evaluation of steel beams patch load behaviour. Advances in Engineering Software, 2008, 39, 558-572.	1.8	32
162	Hierarchical Type-2 Neuro-Fuzzy BSP Model. , 2008, , .		1

#	ARTICLE	IF	CITATIONS
163	Artificial neural networks in the voltage control of electrical power systems. , 2008, , .		1
164	Decision Support System for Economic Analysis of E&P Projects under Uncertainties. , 2008, , .		5
165	Quantum-Inspired Evolutionary Algorithm for Numerical Optimization. Studies in Computational Intelligence, 2008, , 115-132.	0.7	8
166	IndicaÃ§Ã£o De Suspeitos De Irregularidade Em InstalaÃ§Ãµes ElÃ©tricas De Baixa TensÃ£o. Learning and Nonlinear Models, 2008, 6, 16-28.	0.2	0
167	Evolutionary System with Precedence Constraints for Ore Harbor Schedule Optimization. Lecture Notes in Computer Science, 2008, , 689-698.	1.0	0
168	Hybridizing Genetic Algorithms and Real Options to Approach of the Optimal Decision Rule for Oilfield Development Under Uncertainties. , 2007, , .		0
169	Evolutionary Optimization of Oilfield Development. , 2007, , .		12
170	Evolutionary Optimization of Smart-Wells Control under Technical Uncertainties. , 2007, , .		15
171	Quantum-Inspired Evolutionary Algorithm for Numerical Optimization. Studies in Computational Intelligence, 2007, , 19-37.	0.7	27
172	Power Transformers Diagnosis Using Neural Networks. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	1
173	A Fuzzy Inference System for Meta-Evaluation. , 2007, , .		0
174	OtimizaÃ§Ã£o de alternativas para o desenvolvimento de campos de petrÃ³leo. GestÃ£o & ProduÃ§Ã£o, 2007, 14, 489-503.	0.5	1
175	A fuzzy decision support system for meta-evaluation a new approach and a case study performed in Brazil. Ensaio, 2007, 15, 447-462.	0.2	2
176	Modelo Neuro-Fuzzy HierÃ¡rquico Politree com aprendizado por reforÃ§o para agentes inteligentes. Controle and Automacao, 2007, 18, 234-250.	0.2	1
177	A parametric analysis of the patch load behaviour using a neuro-fuzzy system. Journal of Constructional Steel Research, 2007, 63, 194-210.	1.7	9
178	A Fuzzy Approach to the Study of Human Reliability in the Petroleum Industry. , 2007, , 415-424.		3
179	Real Options and Genetic Algorithms to Approach of the Optimal Decision Rule for Oil Field Development Under Uncertainties. , 2007, , 445-454.		2
180	Neural Networks for Inflow Forecasting Using Precipitation Information. Lecture Notes in Computer Science, 2007, , 552-561.	1.0	4

#	ARTICLE	IF	CITATIONS
181	Modelo de Previsão de Vazão com Informação de Precipitação Utilizando Redes Neurais. Revista Brasileira De Recursos Hidricos, 2007, 12, 69-82.	0.5	1
182	A New Approach to Meta-Evaluation Using Fuzzy Logic. Studies in Computational Intelligence, 2007, , 147-165.	0.7	1
183	Evolutionary Computation for Valves Control Optimization in Intelligent Wells Under Uncertainties. , 2007, , 425-434.		0
184	A Fuzzy Inference System for Meta-Evaluation. , 2007, , .		0
185	Inverted hierarchical neuro-fuzzy BSP system: a novel neuro-fuzzy model for pattern classification and rule extraction in databases. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2006, 36, 236-248.	3.3	83
186	Using Neural Networks to Evaluate the Effectiveness of a new Seismic Fault Attribute. , 2006, , .		2
187	Providing spatial coherence information to fault meta-attribute. , 2006, , .		3
188	Hierarchical Neuro-fuzzy Models Based on Reinforcement Learning for Intelligent Agents. Lecture Notes in Computer Science, 2005, , 424-432.	1.0	7
189	Determination of real options value by Monte Carlo simulation and fuzzy numbers. , 2005, , .		3
190	Cultural Operators for a Quantum-Inspired Evolutionary Algorithm Applied to Numerical Optimization Problems. Lecture Notes in Computer Science, 2005, , 1-10.	1.0	8
191	A neuro-fuzzy system for steel beams patch load prediction. , 2005, , .		4
192	Reinforcement learning-hierarchical neuro-fuzzy politree model for autonomous agents - evaluation in a multi-obstacle environment. , 2005, , .		2
193	Fuzzy rule extraction from support vector machines. , 2005, , .		28
194	Quantum-Inspired Evolutionary Algorithms and Its Application to Numerical Optimization Problems. Lecture Notes in Computer Science, 2004, , 212-217.	1.0	16
195	Electric load forecasting: evaluating the novel hierarchical neuro-fuzzy BSP model. International Journal of Electrical Power and Energy Systems, 2004, 26, 131-142.	3.3	32
196	Neural network evaluation of steel beam patch load capacity. Advances in Engineering Software, 2003, 34, 763-772.	1.8	34
197	A patch load parametric analysis using neural networks. Journal of Constructional Steel Research, 2003, 59, 251-267.	1.7	23
198	Previsão de produção agrícola baseada em regras linguísticas e lógica fuzzy. Controle and Automacao, 2003, 14, 114-120.	0.2	3

#	ARTICLE	IF	CITATIONS
199	Hierarchical Neuro-Fuzzy Systems. Lecture Notes in Computer Science, 2003, , 126-135.	1.0	3
200	Multiple MLP Neural Networks Applied on the Determination of Segment Limits in ECG Signals. Lecture Notes in Computer Science, 2003, , 607-614.	1.0	10
201	Neural Net Ensembles for Lithology Recognition. Lecture Notes in Computer Science, 2003, , 246-255.	1.0	5
202	SELECTION OF ALTERNATIVES FOR OIL FIELD DEVELOPMENT BY GENETIC ALGORITHMS. Revista De Engenharia TÁ©mica, 2002, 1, 51.	0.0	5
203	Hierarchical neuro-fuzzy quadtree models. Fuzzy Sets and Systems, 2002, 130, 189-205.	1.6	42
204	Lithology Recognition by Neural Network Ensembles. Lecture Notes in Computer Science, 2002, , 302-312.	1.0	1
205	The Hierarchical Neuro-Fuzzy BSP Model: An Application in Electric Load Forecasting. Lecture Notes in Computer Science, 2001, , 174-183.	1.0	0
206	A Neural Network System for Patch Load Prediction. Journal of Intelligent and Robotic Systems: Theory and Applications, 2001, 31, 185-200.	2.0	10
207	Nondestructive evaluation of steel structures using a superconducting quantum interference device magnetometer and a neural network system. Review of Scientific Instruments, 2000, 71, 3806.	0.6	4
208	Variable Length Representation in Evolutionary Electronics. Evolutionary Computation, 2000, 8, 93-120.	2.3	37
209	Automation of SQUID nondestructive evaluation of steel plates by neural networks. IEEE Transactions on Applied Superconductivity, 1999, 9, 3475-3478.	1.1	6
210	Rule-Evolver: An Evolutionary Approach for Data Mining. Lecture Notes in Computer Science, 1999, , 458-462.	1.0	7
211	Analog circuits evolution in extrinsic and intrinsic modes. Lecture Notes in Computer Science, 1998, , 154-165.	1.0	30
212	Evolvable systems in hardware design: Taxonomy, survey and applications. Lecture Notes in Computer Science, 1997, , 344-358.	1.0	20
213	Short-term load forecasting using neural nets. Lecture Notes in Computer Science, 1995, , 1001-1008.	1.0	9
214	The generic neuron architectural framework for the automatic generation of ASICs. Lecture Notes in Computer Science, 1993, , 476-481.	1.0	0
215	Galatea neural VLSI architectures: Communication and control considerations. Microprocessing and Microprogramming, 1992, 35, 175-180.	0.3	1
216	Neural computing overview. Computer Physics Communications, 1989, 57, 543-559.	3.0	8

#	ARTICLE	IF	CITATIONS
217	VLSI architectures for neural networks. IEEE Micro, 1989, 9, 8-27.	1.8	76
218	Silicon compilation of neural networks. , 0, , .		6
219	A comparison of different spectral analysis models for speech recognition using neural networks. , 0, , .		2
220	A multi-step hourly load forecasting system using neural nets. , 0, , .		0
221	Classification of bidimensional images using artificial intelligence techniques. , 0, , .		0
222	Comparison of different evolutionary methodologies applied to electronic filter design. , 0, , .		36
223	Synthesis of CMOS operational amplifiers through genetic algorithms. , 0, , .		17
224	Micro power CMOS analog cells. , 0, , .		0
225	Evolvable hardware: on the automatic synthesis of analog control systems. , 0, , .		13
226	A reconfigurable platform for the automatic synthesis of analog circuits. , 0, , .		19
227	Hierarchical neuro-fuzzy BSP model-HNFB. , 0, , .		2
228	Multiobjective optimization techniques: a study of the energy minimization method and its application to the synthesis of ota amplifiers. , 0, , .		6
229	Evolution of analog circuits on a programmable analog multiplexer array. , 0, , .		5
230	Query by image similarity using a fuzzy logic approach. , 0, , .		1
231	Repair of analog circuits: extrinsic and intrinsic evolutionary techniques. , 0, , .		1
232	The energy minimization method: a multiobjective fitness evaluation technique and its application to the production scheduling in a petroleum refinery. , 0, , .		0
233	A neuro-fuzzy-genetic system for automatic setting of control strategies. , 0, , .		6
234	Towards evolvable analog fuzzy logic controllers. , 0, , .		8

#	ARTICLE	IF	CITATIONS
235	Automatic repair techniques for analog circuits. , 0, , .		5
236	Application of a MLP neural network for compensation of distortions in strain gauges measurements due to temperature variations in offshore operation of a flexible pipe-lay vessel. , 0, , .		0
237	Evolutionary analog circuit design on a programmable analog multiplexer array. , 0, , .		3
238	Inference of distillation column products quality using Bayesian networks. , 0, , .		0
239	Bayesian neural networks on the inference of distillation product quality. , 0, , .		0
240	Evolutionary fuzzy system design and implementation. , 0, , .		3
241	Evolvable building blocks for analog fuzzy logic controllers. , 0, , .		5
242	Neural smoothing transition coefficients for nonlinear processes in mean and variance. , 0, , .		0
243	GPF-control: um modelo fuzzy-gen�tico para problemas de controle. , 0, , .		0
244	Controle de um amortecedor magneto-reol�gico em uma pr�tese de perna mec�nica. , 0, , .		0
245	A Multi-gene Genetic Programming Fuzzy Inference System for Regression Problems. , 0, , .		0
246	FuzzyFuture: Ferramenta De Previs�o De S�ries Temporais Baseada Em Sistema H�brido Fuzzy-Gen�tico. , 0, , .		0
247	Building Multi-Agent Systems With Reinforcement Hierarchical Neuro-Fuzzy Models. , 0, , .		0
248	Sistema De Recomenda�o De Produtos Em Marketing Com Uso De M�todos De Apoio � Decis�o. , 0, , .		0
249	An�lise de Tend�ncias de Mercado por Redes Neurais Artificiais. , 0, , .		0
250	C�lculo de la importancia de Features y evaluaci�n de la calidad de prote�nas en el problema de discriminaci�n de decoys.. , 0, , .		0
251	Caracteriza�o de Vozes Envelhecidas Utilizando M�todos de Clusteriza�o. , 0, , .		0
252	Automatic Generation of a Type-2 Fuzzy System for Time Series Forecast based on Genetic Programming. , 0, , .		1

#	ARTICLE	IF	CITATIONS
253	Classificação de falhas de equipamentos de unidade de intervenção em construção de portos marítimos por meio de mineração textual. , 0, , .		0
254	Comparação de modelos de Machine Learning aplicados a previsão de casos totais de Dengue. , 0, , .		0
255	Classificação da temperatura do anodo de um metal líquido em um Forno Elétrico a Arco usando o método kNN. , 0, , .		0
256	Classificações Explicáveis para Imagens de Células Infectadas por Malária. , 0, , .		0
257	A Neuro-Fuzzy System for Patch Load Prediction. , 0, , .		0