

Carmelo J A Bastos-Filho

List of Publications by Year in descending order

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Version: 2024-02-01

205
papers

1,596
citations

471061

17
h-index

500791

28
g-index

211
all docs

211
docs citations

211
times ranked

1213
citing authors

#	ARTICLE	IF	CITATIONS
1	The Association of Shared Care Networks With 30-Day Heart Failure Excessive Hospital Readmissions: Longitudinal Observational Study. <i>Jmirx Med</i> , 2022, 3, e30777.	0.2	3
2	Beyond exploitation: Measuring the impact of local search in swarm-based memetic algorithms through the interactions of individuals in the population. <i>Swarm and Evolutionary Computation</i> , 2022, 70, 101040.	4.5	6
3	Defining amplifier's gain to maximize the transmission rate in optical systems using evolutionary algorithms and swarm intelligence. <i>Photonic Network Communications</i> , 2022, 43, 74-84.	1.4	0
4	Artificial Intelligence-Based Methods for Business Processes: A Systematic Literature Review. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2314.	1.3	8
5	Linearization Schemes for Radio Over Fiber Systems Based on Machine Learning Algorithms. <i>IEEE Photonics Technology Letters</i> , 2022, 34, 279-282.	1.3	11
6	Systematic Review of Computer Vision Semantic Analysis in Socially Assistive Robotics. <i>AI</i> , 2022, 3, 229-249.	2.1	5
7	Authors' Response to Peer Reviews of "The Association of Shared Care Networks With 30-Day Heart Failure Excessive Hospital Readmissions: Longitudinal Observational Study". <i>Jmirx Med</i> , 2022, 3, e37005.	0.2	0
8	A hybrid prototype selection-based deep learning approach for anomaly detection in industrial machines. <i>Expert Systems With Applications</i> , 2022, 204, 117528.	4.4	10
9	Optical Amplifier Response Estimation Considering Non-Flat Input Signals Characterization Based on Artificial Neural Networks. <i>Journal of Lightwave Technology</i> , 2021, 39, 208-215.	2.7	7
10	Heuristic planning algorithm for sharing restoration interfaces in OTN over DWDM networks. <i>Optical Fiber Technology</i> , 2021, 61, 102426.	1.4	7
11	Using the Kullback-Leibler Divergence and Kolmogorov-Smirnov Test to Select Input Sizes to the Fault Diagnosis Problem Based on a CNN Model. <i>Learning and Nonlinear Models</i> , 2021, 18, 16-26.	0.2	0
12	Fishing for interactions. , 2021, , .		1
13	Machine learning applied in SARS-CoV-2 COVID 19 screening using clinical analysis parameters. <i>IEEE Latin America Transactions</i> , 2021, 19, 978-985.	1.2	14
14	<i>Acaulospora longula</i> Spain & N.C. Schenck: A low-cost bioinspiration to optimize phenolics and saponins production in <i>Passiflora alata</i> Curtis. <i>Industrial Crops and Products</i> , 2021, 167, 113498.	2.5	14
15	Breast cancer diagnosis using thermal image analysis: A data-driven approach based on swarm intelligence and supervised learning for optimized feature selection. <i>Applied Soft Computing Journal</i> , 2021, 109, 107533.	4.1	11
16	Overview on Binary Optimization Using Swarm-Inspired Algorithms. <i>IEEE Access</i> , 2021, 9, 149814-149858.	2.6	9
17	Multi-objective Optimization of Amplifier Operating Point and Launch Signal Power Pre-emphasis in a Cascade of EDFAs. , 2021, , .		0
18	Analyzing the Objective Functions for Multi-Objective Optimization of the Amplifier Adaptive Control of Operating Point. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
19	OSNR Ripple and Tilt: Comparison Between PSO and MOO ACOP Techniques for EDFAs Links. , 2021, , .		0
20	Surrogate Model for Adaptive Control of Optical Amplifier Operating Point based on Machine Learning. , 2021, , .		0
21	Adapting Optical Amplifier Response Estimation to Consider Non-Flat Input Signals. , 2021, , .		0
22	Modelling the Social Interactions in Grey Wolf Optimizer. , 2021, , .		1
23	Investigating the Creation of a Surrogate Model for Adaptive Control of Amplifier Operating Point Using Machine Learning. , 2020, , .		1
24	Simplified binary cat swarm optimization. Integrated Computer-Aided Engineering, 2020, 28, 35-50.	2.5	28
25	Uncovering the social interaction network in swarm intelligence algorithms. Applied Network Science, 2020, 5, .	0.8	10
26	Guitar Tuner and Song Performance Evaluation Using a NAO robot. , 2020, , .		4
27	Optimizing Routes for Medicine Distribution Using Team Ant Colony System. Advances in Intelligent Systems and Computing, 2020, , 40-49.	0.5	2
28	Ferramenta para ValidaÃ§Ã£o de Imagens Em EstaÃ§Ãµes de RÃ¡dio Base Usando Reconhecimento de Texto Em Cenas Naturais. Revista De Engenharia E Pesquisa Aplicada, 2020, 5, 91-97.	0.1	0
29	Autoencoder latent space: an empirical study. , 2020, , .		1
30	Mild Cognitive Impairment Diagnosis and Detecting Possible Labeling Errors in Alzheimerâ€™s Disease with an Unsupervised Learning-based Approach. , 2020, , .		0
31	A Comparison of Evolutionary Multi-objective Optimization Algorithms Applied to Antenna Design. Lecture Notes in Computer Science, 2020, , 123-134.	1.0	1
32	Using Kullback-Leibler Divergence to Identify Prominent Sensor Data for Fault Diagnosis. Lecture Notes in Computer Science, 2020, , 136-147.	1.0	0
33	An Analysis of Protein Patterns Present in the Saliva of Diabetic Patients Using Pairwise Relationship and Hierarchical Clustering. Lecture Notes in Computer Science, 2020, , 148-159.	1.0	2
34	Sistema de GestÃ£o de Fluxo Clientes Em Pontos Comerciais Utilizando VisÃ£o Computacional. Revista De Engenharia E Pesquisa Aplicada, 2020, 5, 9-17.	0.1	0
35	Um Estudo de Caso do Uso de MineraÃ§Ã£o de Dados e Aprendizado de MÃ¡quina no Aprimoramento de InspeÃ§Ãµes de EstaÃ§Ãµes RÃ¡dio Base. Revista De Engenharia E Pesquisa Aplicada, 2020, 5, 1-8.	0.1	0
36	Counting Vehicle with High-Precision in Brazilian Roads Using YOLOv3 and Deep SORT. , 2020, , .		12

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37	Maximizing the Transmission Rate in Optical Systems using Swarm Intelligence. , 2020, , .		2
38	SBFSS: Simplified Binary Fish School Search. , 2019, , .		3
39	Analyzing the impact of data representations in classification problems using clustering. , 2019, , .		1
40	Characterizing the Social Interactions in the Artificial Bee Colony Algorithm. , 2019, , .		5
41	Investigation of College Dropout with the Fuzzy C-Means Algorithm. , 2019, , .		7
42	Swarm intelligence for clustering " A systematic review with new perspectives on data mining. Engineering Applications of Artificial Intelligence, 2019, 82, 313-329.	4.3	58
43	A novel binary artificial bee colony algorithm. Future Generation Computer Systems, 2019, 98, 180-196.	4.9	53
44	Using a Support Vector Machine Based Decision Stage to Improve the Fault Diagnosis on Gearboxes. Computational Intelligence and Neuroscience, 2019, 2019, 1-13.	1.1	19
45	Detecting Defects in Sanitary Wares Using Deep Learning. , 2019, , .		2
46	Adaptive Control of Optical Amplifier Operating Point Using VOA and Multi-Objective Optimization. Journal of Lightwave Technology, 2019, 37, 3994-4000.	2.7	15
47	Power Tilt Analysis of Solutions obtained from Multi-objective Optimization of Amplifier Adaptive Control of Operating Point. , 2019, , .		1
48	Inter-domain routing for communication networks using Hierarchical Hopfield Neural Networks. Engineering Applications of Artificial Intelligence, 2018, 70, 184-198.	4.3	13
49	Amplifier Adaptive Control of Operating Point Considering Non-Linear Interference. IEEE Photonics Technology Letters, 2018, 30, 573-576.	1.3	12
50	Pyramidal neural networks with evolved variable receptive fields. Neural Computing and Applications, 2018, 29, 1443-1453.	3.2	16
51	Structured Pyramidal Neural Networks. International Journal of Neural Systems, 2018, 28, 1750021.	3.2	4
52	An adaptive"alternative restoration algorithm for optical networks. Photonic Network Communications, 2018, 35, 35-52.	1.4	1
53	Convolutional Neural Networks Using Fourier Transform Spectrogram to Classify the Severity of Gear Tooth Breakage. , 2018, , .		5
54	Performance Comparison of Clustering Algorithms to Handle Grouping of City Locations. , 2018, , .		0

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55	Customer Segmentation in a Travel Agency Dataset using Clustering Algorithms. , 2018, , .		1
56	Boolean Binary Cat Swarm Optimization Algorithm. , 2018, , .		10
57	Improving the Performance of the Fish School Search Algorithm. International Journal of Swarm Intelligence Research, 2018, 9, 21-46.	0.5	7
58	Comparing Machine Learning Techniques for Dementia Diagnosis. , 2018, , .		7
59	Improving Adaptive Filters for Active Noise Control Using Particle Swarm Optimization. International Journal of Swarm Intelligence Research, 2018, 9, 47-64.	0.5	3
60	Manyobjective Optimization to Design Physical Topology of Optical Networks with Undefined Node Locations. , 2018, , .		1
61	Impact Analysis of the Use of the Power Mask Spectrum Information in the Adaptive Control of Optical Amplifiers. , 2018, , .		0
62	Spatio-temporal variations in the urban rhythm: the travelling waves of crime. EPJ Data Science, 2018, 7, .	1.5	16
63	Double-Swarm Binary Particle Swarm Optimization. , 2018, , .		4
64	Non-negative Structured Pyramidal Neural Network for Pattern Recognition. , 2018, , .		2
65	Using Multi-objective Algorithms for Optimizing Support Vector Regression Parameters. , 2018, , .		0
66	Optimizing Support Vector Regression with Swarm Intelligence for Estimating the Concrete Compression Strength. Lecture Notes in Computer Science, 2018, , 126-137.	1.0	2
67	Multi-Objective Binary Fish School Search. Advances in Computational Intelligence and Robotics Book Series, 2018, , 53-72.	0.4	1
68	Aplica��o de Algoritmos de Clusteriza��o em uma Base de Dados de Reservas de Hot��is. Revista De Engenharia E Pesquisa Aplicada, 2018, 3, .	0.1	0
69	Uso de T��cnicas de Clusteriza��o em uma Base de Dados Financeira.. Revista De Engenharia E Pesquisa Aplicada, 2018, 3, .	0.1	1
70	Projeto 500 Cities: Detec��o de Comunidades Utilizando Algoritmos de Clusteriza��o. Revista De Engenharia E Pesquisa Aplicada, 2018, 3, .	0.1	0
71	Local and global approaches for the adaptive control of a cascade of amplifiers. Photonic Network Communications, 2017, 33, 194-207.	1.4	17
72	Using artificial neural networks to select the parameters for the prognostic of mild cognitive impairment and dementia in elderly individuals. Computer Methods and Programs in Biomedicine, 2017, 152, 93-104.	2.6	34

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73	OSNR-based backup path protection algorithm with sharing limits. , 2017, , .		0
74	Robustness of physical topologies of optical networks created by variants of Gabriel graphs. , 2017, , .		2
75	Non-negative pyramidal neural network for parts-based learning. , 2017, , .		1
76	A routing algorithm based on fuzzy logics for elastic optical networks. , 2017, , .		1
77	Pedestrian detection in digital videos using committee of motion feature extractors. , 2017, , .		0
78	Accelerating the convergence of adaptive filters for active noise control using particle swarm optimization. , 2017, , .		2
79	Application of PSO-based clustering algorithms on educational databases. , 2017, , .		18
80	Extreme learning machine autoencoder for data augmentation. , 2017, , .		10
81	Spectrum Continuity and Contiguity based Dedicated Protection for Flexible Optical Networks. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, 2017, 16, 481-493.	0.4	4
82	Surrogate models assisted by neural networks to assess the resilience of networks. , 2017, , .		1
83	Estimating the spectral gain and the noise figure of EDFA using artificial neural networks. , 2017, , .		5
84	Combining a novel feeding operator and recent advances to improve the fish school search. , 2017, , .		0
85	Better exploration-exploitation pace, better swarm: Examining the social interactions. , 2017, , .		12
86	Artificial Bee Colony Optimization for Feature Selection of Traffic Sign Recognition. International Journal of Swarm Intelligence Research, 2017, 8, 50-66.	0.5	2
87	The scaling of crime concentration in cities. PLoS ONE, 2017, 12, e0183110.	1.1	38
88	Non-supervised Learning Applied to Analysis of Topological Metrics of Optical Networks. Studies in Computational Intelligence, 2017, , 109-126.	0.7	0
89	Uma Arquitetura de Microserviçãos de Internet das Coisas para Casas Inteligentes. Revista De Engenharia E Pesquisa Aplicada, 2017, 2, .	0.1	0
90	Is the algorithm used to process heart rate variability data clinically relevant? Analysis in male adolescents. Einstein (Sao Paulo, Brazil), 2016, 14, 196-201.	0.3	5

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91	Boolean Operators to Improve Multi-Objective Evolutionary Algorithms for Designing Optical Networks. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, 2016, 15, 319-332.	0.4	2
92	A fuzzy-swarm based approach for the coordination of unmanned aerial vehicles. Journal of Intelligent and Fuzzy Systems, 2016, 31, 1513-1520.	0.8	4
93	Improving the Binary Fish School Search Algorithm for feature selection. , 2016, , .		7
94	An approach based on network science to detect communities in Social Networks. , 2016, , .		1
95	Human detection in digital videos using motion features extractors. , 2016, , .		3
96	Assignment of Shared Bike Stations Based on Network Sciences. IEEE Latin America Transactions, 2016, 14, 3957-3961.	1.2	4
97	Structural Analysis of Road Networks Using Network Science. IEEE Latin America Transactions, 2016, 14, 4386-4391.	1.2	0
98	Designing the optical network of Haiti using a multi-objective evolutionary approach. , 2016, , .		1
99	Communication Diversity in Particle Swarm Optimizers. Lecture Notes in Computer Science, 2016, , 77-88.	1.0	14
100	Many Objective Particle Swarm Optimization. Information Sciences, 2016, 374, 115-134.	4.0	85
101	Incorporating an indicator based on modularity to improve routing in optical networks. , 2016, , .		0
102	Power series-based algorithm for dedicated protection in WDM optical networks. Photonic Network Communications, 2016, 32, 40-53.	1.4	0
103	Metaheuristics for feature selection in handwritten digit recognition. , 2015, , .		7
104	Multi-Objective Fish School Search. International Journal of Swarm Intelligence Research, 2015, 6, 23-40.	0.5	23
105	Analyzing surrogate models to assess Blocking Probability of optical networks. , 2015, , .		1
106	Spectrum continuity based routing algorithm for flexible grid optical networks. , 2015, , .		3
107	Impact of nonlinear effects on the performance of 120 Gb/s 64 QAM optical system using adaptive control of cascade of amplifiers. , 2015, , .		4
108	New Graph Model to Design Optical Networks. IEEE Communications Letters, 2015, 19, 2130-2133.	2.5	6

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109	Heuristic algorithms for regenerator assignment in dynamic translucent elastic optical networks. , 2015, , .		15
110	Towards using boolean operators on graphs to generate network topologies. , 2015, , .		4
111	Using network science to assess particle swarm optimizers. Social Network Analysis and Mining, 2015, 5, 1.	1.9	17
112	PSO Efficient Implementation on GPUs Using Low Latency Memory. IEEE Latin America Transactions, 2015, 13, 1619-1624.	1.2	14
113	An evolutionary approach with surrogate models and network science concepts to design optical networks. Engineering Applications of Artificial Intelligence, 2015, 43, 67-80.	4.3	23
114	Methodology to Obtain a Fast and Accurate Estimator for Blocking Probability of Optical Networks. Journal of Optical Communications and Networking, 2015, 7, 380.	3.3	24
115	Artificial Neural Networks to estimate Blocking Probability of transparent optical networks: A robustness study for different networks. , 2015, , .		7
116	A mechanism based on Artificial Bee Colony to generate diversity in Particle Swarm Optimization. Neurocomputing, 2015, 148, 39-45.	3.5	36
117	Towards a network-based approach to analyze particle swarm optimizers. , 2014, , .		13
118	Comparing Meta-heuristics for AdaBoost Training Applied to Platelets Detection. IEEE Latin America Transactions, 2014, 12, 942-950.	1.2	3
119	Lateral Inhibition Pyramidal Neural Networks Designed by Particle Swarm Optimization. Lecture Notes in Computer Science, 2014, , 667-674.	1.0	3
120	Using the Entropy of the DFT of the Laplacian Eigenvalues to Assess Networks. Studies in Computational Intelligence, 2014, , 209-216.	0.7	5
121	Using Multi-Layer Perceptron and complex network metrics to estimate the performance of optical networks. , 2013, , .		3
122	An Enhanced Fish School Search Algorithm. , 2013, , .		13
123	Comparing MOPSO Approaches for Hydrothermal Systems Operation Planning. , 2013, , .		2
124	An evolutionary spectrum assignment algorithm for Elastic Optical Networks. , 2013, , .		13
125	The NrPSR-Elastic routing algorithm for flexible grid optical networks. , 2013, , .		5
126	An adaptive path restoration algorithm based on power series routing for all-optical networks. , 2013, , .		3

#	ARTICLE	IF	CITATIONS
127	Applying shared path protection scheme to optical translucent networks. , 2013, , .		1
128	Self-adaptive erbium-doped fiber amplifiers using machine learning. , 2013, , .		17
129	Comparing OSNR based policies for an adaptive-alternative IA-RWA algorithm applied to all-optical networks. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, 2013, 12, 694-706.	0.4	4
130	On the Analysis of HPSO Improvement by Use of the Volitive Operator of Fish School Search. International Journal of Swarm Intelligence Research, 2013, 4, 62-77.	0.5	0
131	Assessing Particle Swarm Optimizers Using Network Science Metrics. Studies in Computational Intelligence, 2013, , 173-184.	0.7	8
132	A multi-objective approach to design all-optical and translucent optical networks considering CapEx and QoS. , 2012, , .		14
133	Assessment of the Power Series Routing Algorithm in Translucent, Transparent and Opaque Optical Networks. IEEE Communications Letters, 2012, 16, 941-944.	2.5	6
134	A path protection algorithm based on OSNR for all-optical networks with wavelength sharing limitation. , 2012, , .		2
135	OSNR-based Restoration Algorithm for Optical Network Resilience to Node Failures. IEEE Latin America Transactions, 2012, 10, 1893-1900.	1.2	5
136	A hybrid swarm intelligence optimizer based on particles and artificial bees for high-dimensional search spaces. , 2012, , .		2
137	Comparing Particle Swarm Optimization Approaches for Training Multi-Layer Perceptron Neural Networks for Forecasting. Lecture Notes in Computer Science, 2012, , 344-351.	1.0	3
138	Novel strategies for sparse regenerator placement in translucent optical networks. Photonic Network Communications, 2012, 24, 237-251.	1.4	20
139	A Comparative Analysis of FSS with CMA-ES and S-PSO in Ill-Conditioned Problems. Lecture Notes in Computer Science, 2012, , 416-422.	1.0	0
140	Regenerator Placement and Link Capacity Optimization in Translucent Optical Networks Using a Multi-Objective Evolutionary Algorithm. , 2012, , .		0
141	A novel double-link failure restoration algorithm based on optical signal-to-noise ratio for all-optical networks. , 2011, , .		2
142	Optimizing a routing algorithm based on Hopfield Neural Networks for Graphic Processing Units. , 2011, , .		1
143	Simple design of Raman fiber amplifiers using a multi-objective optimizer. , 2011, , .		1
144	A model to allow remote and distributed simulation of optical networks using XML. , 2011, , .		2

#	ARTICLE	IF	CITATIONS
145	Adaptive Clan Particle Swarm Optimization. , 2011, , .		12
146	Applications of computational intelligence in optical networks. , 2011, , .		1
147	A performance comparison of multi-objective optimization evolutionary algorithms for all-optical networks design. , 2011, , .		17
148	Multi-Objective Particle Swarm Optimization using speciation. , 2011, , .		6
149	An adaptive-alternative routing algorithm for all-optical networks. , 2011, , .		4
150	Wavelength Assignment for Physical-Layer-Impaired Optical Networks Using Evolutionary Computation. Journal of Optical Communications and Networking, 2011, 3, 178.	3.3	21
151	A methodology to design the link cost functions for impairment aware routing algorithms in optical networks. Photonic Network Communications, 2011, 22, 133-150.	1.4	13
152	An efficient multi-objective evolutionary optimizer to design all-optical networks considering physical impairments and CAPEX. , 2011, , .		8
153	Optical signal-to-noise ratio restoration algorithm applied to optical network resilience to node failures. , 2011, , .		2
154	Design of transparent optical networks considering physical impairments, CAPEX and energy consumption. , 2011, , .		10
155	A Hybrid Algorithm Based on Fish School Search and Particle Swarm Optimization for Dynamic Problems. Lecture Notes in Computer Science, 2011, , 543-552.	1.0	11
156	Density as the Segregation Mechanism in Fish School Search for Multimodal Optimization Problems. Lecture Notes in Computer Science, 2011, , 563-572.	1.0	10
157	A Novel Restoration Algorithm Based on Optical Signal-to-Noise Ratio for Transparent Optical Networks. , 2011, , .		5
158	Design of distributed optical-fiber raman amplifiers using multi-objective particle swarm optimization. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, 2011, 10, 323-336.	0.4	10
159	Multiobjective Physical Topology Design of All-Optical Networks Considering QoS and Capex. , 2010, , .		12
160	Impact of amplifier noise figure modeling in simulations of impairment-aware all-optical networks. Photonic Network Communications, 2010, 19, 110-120.	1.4	1
161	Fast and adaptive impairment aware routing and wavelength assignment algorithm optimized by offline simulations. Optical Switching and Networking, 2010, 7, 127-138.	1.2	12
162	Multiobjective sparse regeneration placement algorithm in optical networks considering network performance and CAPEX. , 2010, , .		7

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163	Impact of the Random Number generator quality on particle swarm optimization algorithm running on graphic processor units. , 2010, , .		15
164	A Particle Swarm Optimization based approach for the maximum coverage problem in cellular base stations positioning. , 2010, , .		5
165	Hopfield neural networks for routing in all-optical networks. , 2010, , .		7
166	Impact of the quality of random numbers generators on the performance of particle swarm optimization. , 2009, , .		10
167	Sparse regeneration placement for translucent optical networks using multiobjective evolutionary algorithms considering quality of service and capital cost. , 2009, , .		7
168	Adaptative clustering Particle Swarm Optimization. , 2009, , .		4
169	OSNR model to consider physical layer impairments in transparent optical networks. Photonic Network Communications, 2009, 18, 137-149.	1.4	69
170	Clan particle swarm optimization. International Journal of Intelligent Computing and Cybernetics, 2009, 2, 197-227.	1.6	20
171	Dynamic Clan Particle Swarm Optimization. , 2009, , .		15
172	On the influence of the swimming operators in the Fish School Search algorithm. , 2009, , .		23
173	A Multiple Objective Particle Swarm Optimization Approach Using Crowding Distance and Roulette Wheel. , 2009, , .		31
174	Up-grading the physical topology of transparent optical networks using a multiobjective evolutionary algorithm considering quality of service and capital cost. , 2009, , .		5
175	Impairment aware wavelength assignment for all-optical networks based on evolutionary computation. , 2009, , .		2
176	Routing algorithm based on Swarm Intelligence and Hopfield Neural Network applied to communication networks. Electronics Letters, 2008, 44, 995.	0.5	8
177	Clan Particle Swarm Optimization. , 2008, , .		14
178	Multi-Ring Dispersed Particle Swarm Optimization. , 2008, , .		0
179	An Optimization Mechanism Intended for Two-Level Cache Hierarchy to Improve Energy and Performance Using the NSGAll Algorithm. , 2008, , .		6
180	Adjusting Weights and Architecture of Neural Networks through PSO with Time-Varying Parameters and Early Stopping. Brazilian Symposium on Neural Networks, Proceedings of the, 2008, , .	0.0	4

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181	Multi-ring Particle Swarm Optimization. Brazilian Symposium on Neural Networks, Proceedings of the, 2008, , .	0.0	8
182	A fast and reliable routing algorithm based on Hopfield Neural Networks optimized by Particle Swarm Optimization. , 2008, , .		0
183	Intelligent and fast IRWA algorithm based on power series and Particle Swarm Optimization. , 2008, , .		10
184	Based on Color Quantization by Genetic Algorithms. , 2007, , .		1
185	Novel physical impairments aware adaptive weight function for routing in all optical networks. , 2007, , .		3
186	A Novel Hybrid Training Method for Hopfield Neural Networks Applied to Routing in Communications Networks. , 2007, , .		0
187	A Novel Approach for a Routing Algorithm Based on a Discrete Time Hopfield Neural Network. , 2007, , .		8
188	Impact of physical layer impairments in all-optical networks. , 2007, , .		8
189	Performance Evaluation of the Dual-Core Based SGI Altix 4700. , 2007, , .		2
190	Noise Penalties Modeling for the Performance Evaluation of All-Optical Networks. , 2007, , .		3
191	An Intelligent Mechanism to Explore a Two-Level Cache Hierarchy Considering Energy Consumption and Time Performance. , 2007, , .		7
192	A Hybrid Hopfield Network-Simulated Annealing approach to Optimize Routing Processes in Telecommunications Networks. , 2007, , .		0
193	Optimization of wavelength assignment in an optical link considering four wave mixing using genetic algorithm. , 2006, , .		0
194	Genetic algorithm for amplifiers gain optimization in all-optical networks. , 2006, , .		1
195	Measurements of gain cross-saturation and transient response in highly doped TDFAs. Optics Communications, 2005, 246, 79-84.	1.0	1
196	TDFA/Raman hybrid amplifiers covering the entire S-band pumped by a single laser. IEEE Photonics Technology Letters, 2005, 17, 2050-2052.	1.3	15
197	Dual-wavelength (1050 nm +1550 nm) pumped thulium-doped fiber amplifier characterization by optical frequency-domain reflectometry. IEEE Photonics Technology Letters, 2003, 15, 24-26.	1.3	18
198	Characterization of efficient dual-wavelength (1050 + 800 nm) pumping scheme for thulium-doped fiber amplifiers. IEEE Photonics Technology Letters, 2003, 15, 200-202.	1.3	38

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199	Low-pump-power, short-fiber copropagating dual-pumped (800 and 1050 nm) thulium-doped fiber amplifier. Optics Letters, 2003, 28, 334.	1.7	14
200	Noise figure model for transmission performance evaluation considering four wave mixing and source spontaneous emission. , 0, , .		1
201	Applications of Computational Intelligence to Impairment-Aware Routing and Wavelength Assignment in Optical Networks. , 0, , 194-216.		0
202	Hopfield Neural Networks for Routing in Communication Networks. , 0, , 235-254.		0
203	Non-intrusive Embedded Systems Anomaly Detection using Thermography and Machine Learning. , 0, , .		1
204	Uso de visÃ£o computacional na anÃ;lise de testes cognitivos. , 0, , .		0
205	Clustering for Data-driven Unraveling Artificial Neural Networks. , 0, , .		0