Carmelo J A Bastos-Filho

List of Publications by Year
in descending order

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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	Many Objective Particle Swarm Optimization. Information Sciences, 2016, 374, 115-134.	4.0	85
2	OSNR model to consider physical layer impairments in transparent optical networks. Photonic Network Communications, 2009, 18, 137-149.	1.4	69
3	Swarm intelligence for clustering â€" A systematic review with new perspectives on data mining. Engineering Applications of Artificial Intelligence, 2019, 82, 313-329.	4.3	58
4	A novel binary artificial bee colony algorithm. Future Generation Computer Systems, 2019, 98, 180-196.	4.9	53
5	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
6	The scaling of crime concentration in cities. PLoS ONE, 2017, 12, e0183110.	1.1	38
7	A mechanism based on Artificial Bee Colony to generate diversity in Particle Swarm Optimization. Neurocomputing, 2015, 148, 39-45.	3.5	36
8	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
9	A Multiple Objective Particle Swarm Optimization Approach Using Crowding Distance and Roulette Wheel. , 2009, , .		31
10	Simplified binary cat swarm optimization. Integrated Computer-Aided Engineering, 2020, 28, 35-50.	2.5	28
11	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
12	On the influence of the swimming operators in the Fish School Search algorithm. , 2009, , .		23
13	Multi-Objective Fish School Search. International Journal of Swarm Intelligence Research, 2015, 6, 23-40.	0.5	23
14	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
15	Wavelength Assignment for Physical-Layer-Impaired Optical Networks Using Evolutionary Computation. Journal of Optical Communications and Networking, 2011, 3, 178.	3.3	21
16	Clan particle swarm optimization. International Journal of Intelligent Computing and Cybernetics, 2009, 2, 197-227.	1.6	20
17	Novel strategies for sparse regenerator placement in translucent optical networks. Photonic Network Communications, 2012, 24, 237-251.	1.4	20
18	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

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19	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
20	Application of PSO-based clustering algorithms on educational databases. , 2017, , .		18
21	A performance comparison of multi-objective optimization evolutionary algorithms for all-optical networks design. , 2011, , .		17
22	Self-adaptive erbium-doped fiber amplifiers using machine learning. , 2013, , .		17
23	Using network science to assess particle swarm optimizers. Social Network Analysis and Mining, 2015, 5, 1.	1.9	17
24	Local and global approaches for the adaptive control of a cascade of amplifiers. Photonic Network Communications, 2017, 33, 194-207.	1.4	17
25	Pyramidal neural networks with evolved variable receptive fields. Neural Computing and Applications, 2018, 29, 1443-1453.	3.2	16
26	Spatio-temporal variations in the urban rhythm: the travelling waves of crime. EPJ Data Science, 2018, 7, .	1.5	16
27	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
28	Dynamic Clan Particle Swarm Optimization. , 2009, , .		15
29	Impact of the Random Number generator quality on particle swarm optimization algorithm running on graphic processor units. , 2010, , .		15
30	Heuristic algorithms for regenerator assignment in dynamic translucent elastic optical networks. , 2015, , .		15
31	Adaptive Control of Optical Amplifier Operating Point Using VOA and Multi-Objective Optimization. Journal of Lightwave Technology, 2019, 37, 3994-4000.	2.7	15
32	Low-pump-power, short-fiber copropagating dual-pumped (800 and 1050 nm) thulium-doped fiber amplifier. Optics Letters, 2003, 28, 334.	1.7	14
33	Clan Particle Swarm Optimization. , 2008, , .		14
34	A multi-objective approach to design all-optical and translucent optical networks considering CapEx and QoT. , 2012, , .		14
35	PSO Efficient Implementation on GPUs Using Low Latency Memory. IEEE Latin America Transactions, 2015, 13, 1619-1624.	1.2	14
36	Communication Diversity in Particle Swarm Optimizers. Lecture Notes in Computer Science, 2016, , 77-88.	1.0	14

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37	Machine learning applied in SARS-CoV-2 COVID 19 screening using clinical analysis parameters. IEEE Latin America Transactions, 2021, 19, 978-985.	1.2	14
38	Acaulospora longula Spain & N.C. Schenck: A low-cost bioinsumption to optimize phenolics and saponins production in Passiflora alata Curtis. Industrial Crops and Products, 2021, 167, 113498.	2.5	14
39	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
40	An Enhanced Fish School Search Algorithm. , 2013, , .		13
41	An evolutionary spectrum assignment algorithm for Elastic Optical Networks. , 2013, , .		13
42	Towards a network-based approach to analyze particle swarm optimizers. , 2014, , .		13
43	Inter-domain routing for communication networks using Hierarchical Hopfield Neural Networks. Engineering Applications of Artificial Intelligence, 2018, 70, 184-198.	4.3	13
44	Multiobjective Physical Topology Design of All-Optical Networks Considering QoS and Capex. , 2010, , .		12
45	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
46	Adaptive Clan Particle Swarm Optimization. , 2011, , .		12
47	Better exploration-exploitation pace, better swarm: Examining the social interactions. , 2017, , .		12
48	Amplifier Adaptive Control of Operating Point Considering Non-Linear Interference. IEEE Photonics Technology Letters, 2018, 30, 573-576.	1.3	12
49	Counting Vehicle with High-Precision in Brazilian Roads Using YOLOv3 and Deep SORT. , 2020, , .		12
50	Breast cancer diagnosis using thermal image analysis: A data-driven approach based on swarm intelligence and supervised learning for optimized feature selection. Applied Soft Computing Journal, 2021, 109, 107533.	4.1	11
51	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
52	Linearization Schemes for Radio Over Fiber Systems Based on Machine Learning Algorithms. IEEE Photonics Technology Letters, 2022, 34, 279-282.	1.3	11
53	Intelligent and fast IRWA algorithm based on power series and Particle Swarm Optimization. , 2008, , .		10
54	Impact of the quality of random numbers generators on the performance of particle swarm optimization. , 2009, , .		10

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55	Design of transparent optical networks considering physical impairments, CAPEX and energy consumption. , 2011, , .		10
56	Extreme learning machine autoencoder for data augmentation. , 2017, , .		10
57	Boolean Binary Cat Swarm Optimization Algorithm. , 2018, , .		10
58	Uncovering the social interaction network in swarm intelligence algorithms. Applied Network Science, 2020, 5, .	0.8	10
59	Density as the Segregation Mechanism in Fish School Search for Multimodal Optimization Problems. Lecture Notes in Computer Science, 2011, , 563-572.	1.0	10
60	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
61	A hybrid prototype selection-based deep learning approach for anomaly detection in industrial machines. Expert Systems With Applications, 2022, 204, 117528.	4.4	10
62	Overview on Binary Optimization Using Swarm-Inspired Algorithms. IEEE Access, 2021, 9, 149814-149858.	2.6	9
63	A Novel Approach for a Routing Algorithm Based on a Discrete Time Hopfield Neural Network. , 2007, , .		8
64	Impact of physical layer impairments in all-optical networks. , 2007, , .		8
65	Routing algorithm based on Swarm Intelligence and Hopfield Neural Network applied to communication networks. Electronics Letters, 2008, 44, 995.	0.5	8
66	Multi-ring Particle Swarm Optimization. Brazilian Symposium on Neural Networks, Proceedings of the, 2008, , .	0.0	8
67	An efficient multi-objective evolutionary optimizer to design all-optical networks considering physical impairments and CAPEX. , 2011, , .		8
68	Assessing Particle Swarm Optimizers Using Network Science Metrics. Studies in Computational Intelligence, 2013, , 173-184.	0.7	8
69	Artificial Intelligence-Based Methods for Business Processes: A Systematic Literature Review. Applied Sciences (Switzerland), 2022, 12, 2314.	1.3	8
70	An Intelligent Mechanism to Explore a Two-Level Cache Hierarchy Considering Energy Consumption and Time Performance. , 2007, , .		7
71	Sparse regeneration placement for translucent optical networks using multiobjective evolutionary algorithms considering quality of service and capital cost. , 2009, , .		7
72	Multiobjective sparse regeneration placement algorithm in optical networks considering network performance and CAPEX. , 2010, , .		7

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73	Hopfield neural networks for routing in all-optical networks. , 2010, , .		7
74	Metaheuristics for feature selection in handwritten digit recognition. , 2015, , .		7
75	Artificial Neural Networks to estimate Blocking Probability of transparent optical networks: A robustness study for different networks. , 2015, , .		7
76	Improving the Binary Fish School Search Algorithm for feature selection. , 2016, , .		7
77	Improving the Performance of the Fish School Search Algorithm. International Journal of Swarm Intelligence Research, 2018, 9, 21-46.	0.5	7
78	Comparing Machine Learning Techniques for Dementia Diagnosis. , 2018, , .		7
79	Investigation of College Dropout with the Fuzzy C-Means Algorithm. , 2019, , .		7
80	Optical Amplifier Response Estimation Considering Non-Flat Input Signals Characterization Based on Artificial Neural Networks. Journal of Lightwave Technology, 2021, 39, 208-215.	2.7	7
81	Heuristic planning algorithm for sharing restoration interfaces in OTN over DWDM networks. Optical Fiber Technology, 2021, 61, 102426.	1.4	7
82	An Optimization Mechanism Intended for Two-Level Cache Hierarchy to Improve Energy and Performance Using the NSGAII Algorithm. , 2008, , .		6
83	Multi-Objective Particle Swarm Optimization using speciation. , 2011, , .		6
84	Assessment of the Power Series Routing Algorithm in Translucent, Transparent and Opaque Optical Networks. IEEE Communications Letters, 2012, 16, 941-944.	2.5	6
85	New Graph Model to Design Optical Networks. IEEE Communications Letters, 2015, 19, 2130-2133.	2.5	6
86	Beyond exploitation: Measuring the impact of local search in swarm-based memetic algorithms through the interactions of individuals in the population. Swarm and Evolutionary Computation, 2022, 70, 101040.	4.5	6
87	Up-grading the physical topology of transparent optical networks using a multiobjective evolutionary algorithm considering quality of service and capital cost. , 2009, , .		5
88	A Particle Swarm Optimization based approach for the maximum coverage problem in cellular base stations positioning. , 2010, , .		5
89	OSNR-based Restoration Algorithm for Optical Network Resilience to Node Failures. IEEE Latin America Transactions, 2012, 10, 1893-1900.	1.2	5
90	The NrPSR-Elastic routing algorithm for flexible grid optical networks. , 2013, , .		5

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91	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
92	Estimating the spectral gain and the noise figure of EDFA using artificial neural networks. , 2017, , .		5
93	Convolutional Neural Networks Using Fourier Transform Spectrogram to Classify the Severity of Gear Tooth Breakage. , 2018, , .		5
94	Characterizing the Social Interactions in the Artificial Bee Colony Algorithm. , 2019, , .		5
95	Using the Entropy of the DFT of the Laplacian Eigenvalues to Assess Networks. Studies in Computational Intelligence, 2014, , 209-216.	0.7	5
96	A Novel Restoration Algorithm Based on Optical Signal-to-Noise Ratio for Transparent Optical Networks. , 2011, , .		5
97	Systematic Review of Computer Vision Semantic Analysis in Socially Assistive Robotics. AI, 2022, 3, 229-249.	2.1	5
98	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
99	Adaptative clustering Particle Swarm Optimization. , 2009, , .		4
100	An adaptive-alternative routing algorithm for all-optical networks. , 2011, , .		4
101	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
102	Impact of nonlinear effects on the performance of 120 Gb/s 64 QAM optical system using adaptive control of cascade of amplifiers. , 2015, , .		4
103	Towards using boolean operators on graphs to generate network topologies. , 2015, , .		4
104	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
105	Assignment of Shared Bike Stations Based on Network Sciences. IEEE Latin America Transactions, 2016, 14, 3957-3961.	1.2	4
106	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
107	Structured Pyramidal Neural Networks. International Journal of Neural Systems, 2018, 28, 1750021.	3.2	4
108	Double-Swarm Binary Particle Swarm Optimization. , 2018, , .		4

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109	Guitar Tuner and Song Performance Evaluation Using a NAO robot. , 2020, , .		4
110	Novel physical impairments aware adaptive weight function for routing in all optical networks. , 2007, , .		3
111	Noise Penalties Modeling for the Performance Evaluation of All-Optical Networks. , 2007, , .		3
112	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
113	Using Multi-Layer Perceptron and complex network metrics to estimate the performance of optical networks. , 2013, , .		3
114	An adaptive path restoration algorithm based on power series routing for all-optical networks. , 2013, , .		3
115	Comparing Meta-heuristics for AdaBoost Training Applied to Platelets Detection. IEEE Latin America Transactions, 2014, 12, 942-950.	1.2	3
116	Lateral Inhibition Pyramidal Neural Networks Designed by Particle Swarm Optimization. Lecture Notes in Computer Science, 2014, , 667-674.	1.0	3
117	Spectrum continuity based routing algorithm for flexible grid optical networks. , 2015, , .		3
118	Human detection in digital videos using motion features extractors. , 2016, , .		3
119	Improving Adaptive Filters for Active Noise Control Using Particle Swarm Optimization. International Journal of Swarm Intelligence Research, 2018, 9, 47-64.	0.5	3
120	SBFSS: Simplified Binary Fish School Search. , 2019, , .		3
121	The Association of Shared Care Networks With 30-Day Heart Failure Excessive Hospital Readmissions: Longitudinal Observational Study. Jmirx Med, 2022, 3, e30777.	0.2	3
122	Performance Evaluation of the Dual-Core Based SGI Altix 4700. , 2007, , .		2
123	Impairment aware wavelength assignment for all-optical networks based on evolutionary computation. , 2009, , .		2
124	A novel double-link failure restoration algorithm based on optical signal-to-noise ratio for all-optical networks. , 2011, , .		2
125	A model to allow remote and distributed simulation of optical networks using XML. , 2011, , .		2
126	Optical signal-to-noise ratio restoration algorithm applied to optical network resilience to node failures. , 2011, , .		2

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127	A path protection algorithm based on OSNR for all-optical networks with wavelength sharing limitation. , 2012, , .		2
128	A hybrid swarm intelligence optimizer based on particles and artificial bees for high-dimensional search spaces. , 2012, , .		2
129	Comparing MOPSO Approaches for Hydrothermal Systems Operation Planning. , 2013, , .		2
130	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
131	Robustness of physical topologies of optical networks created by variants of Gabriel graphs. , 2017, , .		2
132	Accelerating the convergence of adaptive filters for active noise control using particle swarm optimization. , 2017, , .		2
133	Artificial Bee Colony Optimization for Feature Selection of Traffic Sign Recognition. International Journal of Swarm Intelligence Research, 2017, 8, 50-66.	0.5	2
134	Non-negative Structured Pyramidal Neural Network for Pattern Recognition. , 2018, , .		2
135	Optimizing Support Vector Regression with Swarm Intelligence for Estimating the Concrete Compression Strength. Lecture Notes in Computer Science, 2018, , 126-137.	1.0	2
136	Detecting Defects in Sanitary Wares Using Deep Learning. , 2019, , .		2
137	Optimizing Routes for Medicine Distribution Using Team Ant Colony System. Advances in Intelligent Systems and Computing, 2020, , 40-49.	0.5	2
138	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
139	Maximizing the Transmission Rate in Optical Systems using Swarm Intelligence. , 2020, , .		2
140	Measurements of gain cross-saturation and transient response in highly doped TDFAs. Optics Communications, 2005, 246, 79-84.	1.0	1
141	Noise figure model for transmission performance evaluation considering four wave mixing and source spontaneous emission. , 0, , .		1
142	Genetic algorithm for amplifiers gain optimization in all-optical networks. , 2006, , .		1
143	Based on Color Quantization by Genetic Algorithms. , 2007, , .		1
144	Impact of amplifier noise figure modeling in simulations of impairment-aware all-optical networks. Photonic Network Communications, 2010, 19, 110-120.	1.4	1

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145	Optimizing a routing algorithm based on Hopfield Neural Networks for Graphic Processing Units. , 2011, , .		1
146	Simple design of Raman fiber amplifiers using a multi-objective optimizer. , 2011, , .		1
147	Applications of computational intelligence in optical networks. , 2011, , .		1
148	Applying shared path protection scheme to optical translucent networks. , 2013, , .		1
149	Analyzing surrogate models to assess Blocking Probability of optical networks. , 2015, , .		1
150	An approach based on network science to detect communities in Social Networks. , 2016, , .		1
151	Designing the optical network of Haiti using a multi-objective evolutionary approach. , 2016, , .		1
152	Non-negative pyramidal neural network for parts-based learning. , 2017, , .		1
153	A routing algorithm based on fuzzy logics for elastic optical networks. , 2017, , .		1
154	Surrogate models assisted by neural networks to assess the resilience of networks. , 2017, , .		1
155	An adaptiveâ€“alternative restoration algorithm for optical networks. Photonic Network Communications, 2018, 35, 35-52.	1.4	1
156	Customer Segmentation in a Travel Agency Dataset using Clustering Algorithms. , 2018, , .		1
157	Manyobjective Optimization to Design Physical Topology of Optical Networks with Undefined Node Locations. , 2018, , .		1
158	Analyzing the impact of data representations in classification problems using clustering. , 2019, , .		1
159	Power Tilt Analysis of Solutions obtained from Multi-objective Optimization of Amplifier Adaptive Control of Operating Point. , 2019, , .		1
160	Investigating the Creation of a Surrogate Model for Adaptive Control of Amplifier Operating Point Using Machine Learning. , 2020, , .		1
161	Fishing for interactions. , 2021, , .		1
162	Multi-Objective Binary Fish School Search. Advances in Computational Intelligence and Robotics Book Series, 2018, , 53-72.	0.4	1

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163	Uso de TÃ©cnicas de ClusterizaÃ§Ã£o em uma Base de Dados Financeira.. Revista De Engenharia E Pesquisa Aplicada, 2018, 3, .	0.1	1
164	Autoencoder latent space: an empirical study. , 2020, , .		1
165	A Comparison of Evolutionary Multi-objective Optimization Algorithms Applied to Antenna Design. Lecture Notes in Computer Science, 2020, , 123-134.	1.0	1
166	Non-intrusive Embedded Systems Anomaly Detection using Thermography and Machine Learning. , 0, , .		1
167	Modelling the Social Interactions in Grey Wolf Optimizer. , 2021, , .		1
168	Optimization of wavelength assignment in an optical link considering four wave mixing using genetic algorithm. , 2006, , .		0
169	A Novel Hybrid Training Method for Hopfield Neural Networks Applied to Routing in Communications Networks. , 2007, , .		0
170	Multi-Ring Dispersed Particle Swarm Optimization. , 2008, , .		0
171	A fast and reliable routing algorithm based on Hopfield Neural Networks optimized by Particle Swarm Optimization. , 2008, , .		0
172	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
173	Structural Analysis of Road Networks Using Network Science. IEEE Latin America Transactions, 2016, 14, 4386-4391.	1.2	0
174	Incorporating an indicator based on modularity to improve routing in optical networks. , 2016, , .		0
175	Power series-based algorithm for dedicated protection in WDM optical networks. Photonic Network Communications, 2016, 32, 40-53.	1.4	0
176	OSNR-based backup path protection algorithm with sharing limits. , 2017, , .		0
177	Pedestrian detection in digital videos using committee of motion feature extractors. , 2017, , .		0
178	Combining a novel feeding operator and recent advances to improve the fish school search. , 2017, , .		0
179	Performance Comparison of Clustering Algorithms to Handle Grouping of City Locations. , 2018, , .		0
180	Impact Analysis of the Use of the Power Mask Spectrum Information in the Adaptive Control of Optical Amplifiers. , 2018, , .		0

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181	Using Multi-objective Algorithms for Optimizing Support Vector Regression Parameters. , 2018, , .		0
182	Using the Kullback-Leibler Divergence and Kolmogorov-Smirnov Test to Select Input Sizes to the Fault Diagnosis Problem Based on a CNN Model. Learning and Nonlinear Models, 2021, 18, 16-26.	0.2	0
183	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
184	Regenerator Placement and Link Capacity Optimization in Translucent Optical Networks Using a Multi-Objective Evolutionary Algorithm. , 2012, , .		0
185	Non-supervised Learning Applied to Analysis of Topological Metrics of Optical Networks. Studies in Computational Intelligence, 2017, , 109-126.	0.7	0
186	Uma Arquitetura de MicroserviÃ§os de Internet das Coisas para Casas Inteligentes. Revista De Engenharia E Pesquisa Aplicada, 2017, 2, .	0.1	0
187	AplicaÃ§Ã£o de Algoritmos de ClusterizaÃ§Ã£o em uma Base de Dados de Reservas de HotÃ©is. Revista De Engenharia E Pesquisa Aplicada, 2018, 3, .	0.1	0
188	Projeto 500 Cities: DetecÃ§Ã£o de Comunidades Utilizando Algoritmos de ClusterizaÃ§Ã£o. Revista De Engenharia E Pesquisa Aplicada, 2018, 3, .	0.1	0
189	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
190	Mild Cognitive Impairment Diagnosis and Detecting Possible Labeling Errors in Alzheimerâ€™s Disease with an Unsupervised Learning-based Approach. , 2020, , .		0
191	Using Kullback-Leibler Divergence to Identify Prominent Sensor Data for Fault Diagnosis. Lecture Notes in Computer Science, 2020, , 136-147.	1.0	0
192	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
193	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
194	Applications of Computational Intelligence to Impairment-Aware Routing and Wavelength Assignment in Optical Networks. , 0, , 194-216.		0
195	Hopfield Neural Networks for Routing in Communication Networks. , 0, , 235-254.		0
196	Multi-objective Optimization of Amplifier Operating Point and Launch Signal Power Pre-emphasis in a Cascade of EDFAs. , 2021, , .		0
197	Uso de visÃ£o computacional na anÃ¡lise de testes cognitivos. , 0, , .		0
198	Clustering for Data-driven Unraveling Artificial Neural Networks. , 0, , .		0

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199	Analyzing the Objective Functions for Multi-Objective Optimization of the Amplifier Adaptive Control of Operating Point. , 2021, , .		0
200	OSNR Ripple and Tilt: Comparison Between PSO and MOO ACOP Techniques for EDFAs Links. , 2021, , .		0
201	Defining amplifierâ€™s gain to maximize the transmission rate in optical systems using evolutionary algorithms and swarm intelligence. Photonic Network Communications, 2022, 43, 74-84.	1.4	0
202	Authorsâ€™ Response to Peer Reviews of â€œThe Association of Shared Care Networks With 30-Day Heart Failure Excessive Hospital Readmissions: Longitudinal Observational Studyâ€• Jmirx Med, 2022, 3, e37005.	0.2	0
203	Surrogate Model for Adaptive Control of Optical Amplifier Operating Point based on Machine Learning. , 2021, , .		0
204	Adapting Optical Amplifier Response Estimation to Consider Non-Flat Input Signals. , 2021, , .		0
205	A Hybrid Hopfield Network-Simulated Annealing approach to Optimize Routing Processes in Telecommunications Networks. , 2007, , .		0