Milan Tuba

List of Publications by Year
in descending order

140 papers	3,718 citations	159358 30 h-index	214527 47 g-index
143 all docs	143 docs citations	143 times ranked	1894 citing authors

#	Article	IF	Citations
1	Tuning Convolutional Neural Network Hyperparameters by Bare Bones Fireworks Algorithm. Studies in Informatics and Control, 2022, 31, 25-35.	0.6	6
2	Acute Lymphoblastic Leukemia Detection by Tuned Convolutional Neural Network. , 2022, , .		3
3	Swarm Intelligence Approach for Feature Selection Problem. , 2022, , .		0
4	Image Classification by Optimized Convolution Neural Networks. Lecture Notes in Networks and Systems, 2022, , 447-454.	0.5	2
5	Convolutional Neural Networks Hyperparameters Tuning. Studies in Computational Intelligence, 2021, , 65-84.	0.7	8
6	Performance Analysis of the Fireworks Algorithm Versions. Lecture Notes in Computer Science, 2021, , 415-422.	1.0	2
7	Feed-Forward Neural Network Training by Hybrid Bat Algorithm. Communications in Computer and Information Science, 2021, , 52-66.	0.4	32
8	Multi-objective task scheduling in cloud computing environment by hybridized bat algorithm. Journal of Intelligent and Fuzzy Systems, 2021, 42, 411-423.	0.8	55
9	Whale Optimization Algorithm with Exploratory Move for Wireless Sensor Networks Localization. Advances in Intelligent Systems and Computing, 2021, , 328-338.	0.5	53
10	Glioma Brain Tumor Grade Classification from MRI Using Convolutional Neural Networks Designed by Modified FA. Advances in Intelligent Systems and Computing, 2021, , 955-963.	0.5	62
11	Multi-objective Task Scheduling in Cloud Computing Environment by Hybridized Bat Algorithm. Advances in Intelligent Systems and Computing, 2021, , 718-725.	0.5	48
12	Modified and Hybridized Monarch Butterfly Algorithms for Multi-Objective Optimization. Advances in Intelligent Systems and Computing, 2020, , 449-458.	0.5	7
13	Multispectral Satellite Image Classification Based on Bare Bone Fireworks Algorithm. Advances in Intelligent Systems and Computing, 2020, , 305-313.	0.5	2
14	Enhanced Grey Wolf Algorithm for Energy Efficient Wireless Sensor Networks. , 2020, , .		77
15	Dropout Probability Estimation in Convolutional Neural Networks by the Enhanced Bat Algorithm. , 2020, , .		8
16	Wireless Sensor Networks Life Time Optimization Based on the Improved Firefly Algorithm. , 2020, , .		87
17	Optimizing Convolutional Neural Network Hyperparameters by Enhanced Swarm Intelligence Metaheuristics. Algorithms, 2020, 13, 67.	1.2	87
18	Monarch Butterfly Optimization Based Convolutional Neural Network Design. Mathematics, 2020, 8, 936.	1.1	61

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19	Exploiting Orientation Information to Improve Range-Based Localization Accuracy. IEEE Access, 2020, 8, 44041-44047.	2.6	5
20	Optimal Path Planning in Environments with Static Obstacles by Harmony Search Algorithm. Advances in Intelligent Systems and Computing, 2020, , 186-193.	0.5	4
21	Support Vector Machine Optimized by Fireworks Algorithm for Handwritten Digit Recognition. Communications in Computer and Information Science, 2020, , 187-199.	0.4	5
22	Modified Moth Search Algorithm for Portfolio Optimization. Smart Innovation, Systems and Technologies, 2020, , 445-453.	0.5	3
23	Automatically Designing Convolutional Neural Network Architecture with Artificial Flora Algorithm. Advances in Intelligent Systems and Computing, 2020, , 371-378.	0.5	14
24	Dynamic Tree Growth Algorithm for Load Scheduling in Cloud Environments. , 2019, , .		12
25	Bare Bones Fireworks Algorithm for Feature Selection and SVM Optimization. , 2019, , .		9
26	Brain Storm Optimization Algorithm for Thermal Image Fusion using DCT Coefficients. , 2019, , .		3
27	Performance of Elephant Herding Optimization and Tree Growth Algorithm Adapted for Node Localization in Wireless Sensor Networks. Sensors, 2019, 19, 2515.	2.1	93
28	Acute Lymphoblastic Leukemia Cell Detection in Microscopic Digital Images Based on Shape and Texture Features. Lecture Notes in Computer Science, 2019, , 142-151.	1.0	8
29	Convolutional Neural Network Architecture Design by the Tree Growth Algorithm Framework. , 2019, , .		20
30	A Linear Estimator for Network Localization Using Integrated RSS and AOA Measurements. IEEE Signal Processing Letters, 2019, 26, 405-409.	2.1	53
31	Cloudlet Scheduling by Hybridized Monarch Butterfly Optimization Algorithm. Journal of Sensor and Actuator Networks, 2019, 8, 44.	2.3	39
32	Designing Convolutional Neural Network Architecture by the Firefly Algorithm. , 2019, , .		75
33	Dynamic Search Tree Growth Algorithm for Global Optimization. IFIP Advances in Information and Communication Technology, 2019, , 143-153.	0.5	21
34	Fixed Set Search Applied to the Traveling Salesman Problem. Lecture Notes in Computer Science, 2019, , 63-77.	1.0	21
35	Classification and Feature Selection Method for Medical Datasets by Brain Storm Optimization Algorithm and Support Vector Machine. Procedia Computer Science, 2019, 162, 307-315.	1.2	56
36	Task Scheduling in Cloud Computing Environment by Grey Wolf Optimizer. , 2019, , .		82

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37	Analysis of local binary pattern for emphysema classification in lung CT image. , 2019, , .		6
38	Resource Scheduling in Cloud Computing Based on a Hybridized Whale Optimization Algorithm. Applied Sciences (Switzerland), 2019, 9, 4893.	1.3	78
39	Combined Elephant Herding Optimization Algorithm with K-means for Data Clustering. Smart Innovation, Systems and Technologies, 2019, , 665-673.	0.5	8
40	Adjusted Artificial Bee Colony Algorithm for the Minimum Weight Triangulation. Advances in Intelligent Systems and Computing, 2019, , 305-317.	0.5	1
41	An efficient ant colony optimization algorithm for the blocks relocation problem. European Journal of Operational Research, 2019, 274, 78-90.	3.5	52
42	Artificial Flora Optimization Algorithm for Task Scheduling in Cloud Computing Environment. Lecture Notes in Computer Science, 2019, , 437-445.	1.0	12
43	Brain Image Segmentation Based on Firefly Algorithm Combined with K-means Clustering. Studies in Informatics and Control, 2019, 28, .	0.6	27
44	Generative Adversarial Optimization (GOA) for Acute Lymphocytic Leukemia Detection. Studies in Informatics and Control, 2019, 28, 245-254.	0.6	23
45	Hybridized Elephant Herding Optimization Algorithm for Constrained Optimization. Advances in Intelligent Systems and Computing, 2018, , 158-166.	0.5	10
46	Two Stage Wireless Sensor Node Localization Using Firefly Algorithm. Lecture Notes in Networks and Systems, 2018, , 113-120.	0.5	16
47	Elephant Herding Optimization Algorithm for Wireless Sensor Network Localization Problem. IFIP Advances in Information and Communication Technology, 2018, , 175-184.	0.5	23
48	Drone Placement for Optimal Coverage by Brain Storm Optimization Algorithm. Advances in Intelligent Systems and Computing, 2018, , 167-176.	0.5	9
49	Chaotic elephant herding optimization algorithm. , 2018, , .		17
50	Water Cycle Algorithm for Robot Path Planning. , 2018, , .		6
51	Bare Bones Fireworks Algorithm for the RFID Network Planning Problem. , 2018, , .		10
52	Rigid Image Registration by Bare Bones Fireworks Algorithm. , 2018, , .		2
53	Bleeding Detection in Wireless Capsule Endoscopy Images Using Texture and Color Features. , 2018, , .		5
54	Case Study of Target Localization Based on Hybrid and Traditional Ranging via RSS and TOA. , 2018, , .		1

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55	On Hybrid RSS/TOA Target Localization in NLOS Environments. , 2018, , .		1
56	Feature Selection and Interpretable Feature Transformation: A Preliminary Study on Feature Engineering for Classification Algorithms. Lecture Notes in Computer Science, 2018, , 280-287.	1.0	2
57	Bare Bones Fireworks Algorithm for Medical Image Compression. Lecture Notes in Computer Science, 2018, , 262-270.	1.0	6
58	Modified Monarch Butterfly Optimization Algorithm for RFID Network Planning. , 2018, , .		8
59	Mobile Robot Path Planning by Improved Brain Storm Optimization Algorithm. , 2018, , .		36
60	Hybridized Artificial Bee Colony Algorithm for Constrained Portfolio Optimization Problem. , 2018, , .		12
61	Extreme Learning Machines for Data Classification Tuning by Improved Bat Algorithm. , 2018, , .		6
62	Wireless Sensor Network Localization Problem by Hybridized Moth Search Algorithm. , 2018, , .		18
63	Water Cycle Algorithm for Solving Continuous P-Median Problem. , 2018, , .		4
64	Energy Efficient Sink Placement in Wireless Sensor Networks by Brain Storm Optimization Algorithm. , 2018, , .		11
65	Target Localization in NLOS Environments Using RSS and TOA Measurements. IEEE Wireless Communications Letters, 2018, 7, 1062-1065.	3.2	40
66	Web Intelligence Data Clustering by Bare Bone Fireworks Algorithm Combined with K-Means. , 2018, , .		7
67	Efficient drone placement for wireless sensor networks coverage by bare bones fireworks algorithm. , 2018, , .		6
68	Hybridized moth search algorithm for constrained optimization problems. , 2018, , .		14
69	Monarch butterfly optimization algorithm for localization in wireless sensor networks. , 2018, , .		27
70	Cooperative clustering algorithm based on brain storm optimization and K-means. , 2018, , .		7
71	Bare Bones Fireworks Algorithm for Capacitated p-Median Problem. Lecture Notes in Computer Science, 2018, , 283-291.	1.0	10
72	Unmanned Combat Aerial Vehicle Path Planning by Brain Storm Optimization Algorithm. Studies in Informatics and Control, 2018, 27, .	0.6	46

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73	A multi-heuristic approach for solving the pre-marshalling problem. Central European Journal of Operations Research, 2017, 25, 1-28.	1.1	43
74	Digital image forgery detection based on shadow HSV inconsistency. , 2017, , .		4
75	Multi-objective RFID network planning with probabilistic coverage model by guided fireworks algorithm. , 2017, , .		10
76	Retinal blood vessel segmentation by support vector machine classification. , 2017, , .		28
77	Mobile wireless sensor networks coverage maximization by firefly algorithm. , 2017, , .		13
78	Hybridized krill herd algorithm for large-scale optimization problems. , 2017, , .		3
79	Leaf recognition algorithm using support vector machine with Hu moments and local binary patterns. , 2017, , .		29
80	An upgraded bat algorithm for tuning extreme learning machines for data classification. , 2017, , .		6
81	Multilevel image thresholding using elephant herding optimization algorithm. , 2017, , .		57
82	Kalman filter for target tracking using coupled RSS and AoA measurements. , 2017, , .		4
83	Bayesian methodology for target tracking using combined RSS and AoA measurements. Physical Communication, 2017, 25, 158-166.	1.2	26
84	Chaotic Brain Storm Optimization Algorithm. Lecture Notes in Computer Science, 2017, , 551-559.	1.0	15
85	Enhanced firefly algorithm for constrained numerical optimization. , 2017, , .		26
86	An algorithm for automated segmentation for bleeding detection in endoscopic images. , 2017, , .		36
87	Target localization in adverse indoor environments. , 2017, , .		0
88	Static drone placement by elephant herding optimization algorithm. , 2017, , .		50
89	Support Vector Machine Optimized by Elephant Herding Algorithm for Erythemato-Squamous Diseases Detection. Procedia Computer Science, 2017, 122, 916-923.	1.2	33
90	Unmanned aerial vehicle path planning problem by adjusted elephant herding optimization. , 2017, , .		33

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91	MAP Estimator for Target Tracking in Wireless Sensor Networks for Unknown Transmit Power. IFIP Advances in Information and Communication Technology, 2017, , 325-334.	0.5	0
92	JPEG Quantization Table Optimization by Guided Fireworks Algorithm. Lecture Notes in Computer Science, 2017, , 294-307.	1.0	18
93	Guided Fireworks Algorithm Applied to the Maximal Covering Location Problem. Lecture Notes in Computer Science, 2017, , 501-508.	1.0	3
94	Adjusted Fireworks Algorithm Applied to Retinal Image Registration. Studies in Informatics and Control, 2017, 26, .	0.6	55
95	Color Image Segmentation by Multilevel Thresholding Based on Harmony Search Algorithm. Lecture Notes in Computer Science, 2017, , 571-579.	1.0	1
96	Node localization in ad hoc wireless sensor networks using fireworks algorithm. , 2016, , .		21
97	Constrained Portfolio Optimization by Hybridized Bat Algorithm. , 2016, , .		15
98	Adjusted bat algorithm for tuning of support vector machine parameters. , 2016, , .		26
99	Framework for abnormality detection in magnetic resonance brain images. , 2016, , .		7
100	An efficient WLS estimator for target localization in wireless sensor networks. , 2016, , .		4
101	Edge detection in medical ultrasound images using adjusted Canny edge detection algorithm. , 2016, , .		42
102	A WLS Estimator for Target Localization in a Cooperative Wireless Sensor Network. IFIP Advances in Information and Communication Technology, 2016, , 273-283.	0.5	0
103	Wireless sensor network coverage problem using modified fireworks algorithm. , 2016, , .		27
104	Fireworks algorithm applied to wireless sensor networks localization problem. , 2016, , .		13
105	Range Based Wireless Sensor Node Localization Using Bat Algorithm. , 2016, , .		4
106	Support vector machine parameter tuning using firefly algorithm. , 2016, , .		44
107	An ant colony optimization algorithm for partitioning graphs with supply and demand. Applied Soft Computing Journal, 2016, 41, 317-330.	4.1	16
108	Peak‐to‐average power ratio reduction in multiple‐input multiple‐output orthogonal frequency‐division multiple access systems using geodesic descent method. IET Communications, 2016, 10, 212-218.	1.5	7

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109	Support Vector Machine Parameters Optimization by Enhanced Fireworks Algorithm. Lecture Notes in Computer Science, 2016, , 526-534.	1.0	28
110	RFID Network Planning by ABC Algorithm Hybridized with Heuristic for Initial Number and Locations of Readers. , 2015, , .		21
111	Dynamic recursive subimage histogram equalization algorithm for image contrast enhancement. , 2015, , .		9
112	Improved lip detection algorithm based on region segmentation and edge detection. , 2015, , .		3
113	A geodesic descent technique for PAPR reduction in MIMO-OFDM. , 2015, , .		1
114	Constrained binary artificial bee colony to minimize the makespan for single machine batch processing with non-identical job sizes. Applied Soft Computing Journal, 2015, 29, 379-385.	4.1	39
115	Multilevel image thresholding by fireworks algorithm. , 2015, , .		54
116	Hybridized bat algorithm for multi-objective radio frequency identification (RFID) network planning. , 2015, , .		29
117	Hierarchical multiobjective RFID network planning using firefly algorithm. , 2015, , .		11
118	Fireworks algorithm applied to constrained portfolio optimization problem. , 2015, , .		49
119	Fireworks algorithm for RFID network planning problem. , 2015, , .		25
120	Cuckoo Search and Bat Algorithm Applied to Training Feed-Forward Neural Networks. Studies in Computational Intelligence, 2015, , 139-162.	0.7	24
121	Multiobjective RFID Network Planning by Artificial Bee Colony Algorithm with Genetic Operators. Lecture Notes in Computer Science, 2015, , 247-254.	1.0	10
122	Firefly Algorithm for Cardinality Constrained Mean-Variance Portfolio Optimization Problem with Entropy Diversity Constraint. Scientific World Journal, The, 2014, 2014, 1-16.	0.8	96
123	Improved Bat Algorithm Applied to Multilevel Image Thresholding. Scientific World Journal, The, 2014, 2014, 1-16.	0.8	111
124	Improved Hybridized Bat Algorithm for Global Numerical Optimization. , 2014, , .		19
125	Upgraded Firefly Algorithm for Portfolio Optimization Problem. , 2014, , .		25
126	JPEG quantization tables selection by the firefly algorithm. , 2014, , .		23

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127	Firefly algorithm for multi-objective RFID network planning problem. , 2014, , .		10
128	Improved seeker optimization algorithm hybridized with firefly algorithm for constrained optimization problems. Neurocomputing, 2014, 143, 197-207.	3.5	93
129	Cuckoo Search and Firefly Algorithm Applied to Multilevel Image Thresholding. Studies in Computational Intelligence, 2014, , 115-139.	0.7	47
130	Artificial Bee Colony Algorithm Hybridized with Firefly Algorithm for Cardinality Constrained Mean-Variance Portfolio Selection Problem. Applied Mathematics and Information Sciences, 2014, 8, 2831-2844.	0.7	98
131	ï»¿Parallelized Multiple Swarm Artificial Bee Colony Algorithm (MS-ABC) for Global Optimization. Studies in Informatics and Control, 2014, 23, .	0.6	24
132	An upgraded artificial bee colony (ABC) algorithm for constrained optimization problems. Journal of Intelligent Manufacturing, 2013, 24, 729-740.	4.4	114
133	Ant colony optimization algorithm with pheromone correction strategy for the minimum connected dominating set problem. Computer Science and Information Systems, 2013, 10, 133-149.	0.7	77
134	Asymptotic Behavior of the Maximum Entropy Routing in Computer Networks. Entropy, 2013, 15, 361-371.	1.1	7
135	Hybrid Seeker Optimization Algorithm for Global Optimization. Applied Mathematics and Information Sciences, 2013, 7, 867-875.	0.7	37
136	Improved ACO Algorithm with Pheromone Correction Strategy for the Traveling Salesman Problem. International Journal of Computers, Communications and Control, 2013, 8, 477.	1.2	53
137	Artificial Bee Colony (ABC) Algorithm for Constrained Optimization Improved with Genetic Operators. Studies in Informatics and Control, 2012, 21, .	0.6	70
138	An ant colony optimization algorithm with improved pheromone correction strategy for the minimum weight vertex cover problem. Applied Soft Computing Journal, 2011, 11, 5360-5366.	4.1	96
139	Optimized Algorithm for Petviashviliâ€™s Method for Finding Solitons in Photonic Lattices. Springer Optimization and Its Applications, 2010, , 393-400.	0.6	0
140	An implementation of ray tracing algorithm for the multiprocessor machines. Yugoslav Journal of Operations Research, 2006, 16, 125-135.	0.5	1