Milan Tuba

List of Publications by Year
in descending order

140 papers	3,718 citations

159585	214800
30 h-index	47 g-index

143 all docs	143 docs citations

143 times ranked	1894 citing authors

#	Article	IF	Citations
1	An upgraded artificial bee colony (ABC) algorithm for constrained optimization problems. Journal of Intelligent Manufacturing, 2013, 24, 729-740.	7.3	114
2	Improved Bat Algorithm Applied to Multilevel Image Thresholding. Scientific World Journal, The, 2014, 2014, 1-16.	2.1	111
3	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.	0.5	98
4	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.	7.2	96
5	Firefly Algorithm for Cardinality Constrained Mean-Variance Portfolio Optimization Problem with Entropy Diversity Constraint. Scientific World Journal, The, 2014, 2014, 1-16.	2.1	96
6	Improved seeker optimization algorithm hybridized with firefly algorithm for constrained optimization problems. Neurocomputing, 2014, 143, 197-207.	5.9	93
7	Performance of Elephant Herding Optimization and Tree Growth Algorithm Adapted for Node Localization in Wireless Sensor Networks. Sensors, 2019, 19, 2515.	3.8	93
8	Wireless Sensor Networks Life Time Optimization Based on the Improved Firefly Algorithm. , 2020, , .		87
9	Optimizing Convolutional Neural Network Hyperparameters by Enhanced Swarm Intelligence Metaheuristics. Algorithms, 2020, 13, 67.	2.1	87
10	Task Scheduling in Cloud Computing Environment by Grey Wolf Optimizer. , 2019, , .		82
11	Resource Scheduling in Cloud Computing Based on a Hybridized Whale Optimization Algorithm. Applied Sciences (Switzerland), 2019, 9, 4893.	2.5	78
12	Ant colony optimization algorithm with pheromone correction strategy for the minimum connected dominating set problem. Computer Science and Information Systems, 2013, 10, 133-149.	1.0	77
13	Enhanced Grey Wolf Algorithm for Energy Efficient Wireless Sensor Networks. , 2020, , .		77
14	Designing Convolutional Neural Network Architecture by the Firefly Algorithm. , 2019, , .		75
15	Artificial Bee Colony (ABC) Algorithm for Constrained Optimization Improved with Genetic Operators. Studies in Informatics and Control, 2012, 21, .	1.2	70
16	Glioma Brain Tumor Grade Classification from MRI Using Convolutional Neural Networks Designed by Modified FA. Advances in Intelligent Systems and Computing, 2021, , 955-963.	0.6	62
17	Monarch Butterfly Optimization Based Convolutional Neural Network Design. Mathematics, 2020, 8, 936.	2.2	61
18	Multilevel image thresholding using elephant herding optimization algorithm. , 2017, , .		57

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19	Classification and Feature Selection Method for Medical Datasets by Brain Storm Optimization Algorithm and Support Vector Machine. Procedia Computer Science, 2019, 162, 307-315.	2.0	56
20	Multi-objective task scheduling in cloud computing environment by hybridized bat algorithm. Journal of Intelligent and Fuzzy Systems, 2021, 42, 411-423.	1.4	55
21	Adjusted Fireworks Algorithm Applied to Retinal Image Registration. Studies in Informatics and Control, 2017, 26, .	1.2	55
22	Multilevel image thresholding by fireworks algorithm. , 2015, , .		54
23	A Linear Estimator for Network Localization Using Integrated RSS and AOA Measurements. IEEE Signal Processing Letters, 2019, 26, 405-409.	3.6	53
24	Whale Optimization Algorithm with Exploratory Move for Wireless Sensor Networks Localization. Advances in Intelligent Systems and Computing, 2021, , 328-338.	0.6	53
25	Improved ACO Algorithm with Pheromone Correction Strategy for the Traveling Salesman Problem. International Journal of Computers, Communications and Control, 2013, 8, 477.	1.8	53
26	An efficient ant colony optimization algorithm for the blocks relocation problem. European Journal of Operational Research, 2019, 274, 78-90.	5.7	52
27	Static drone placement by elephant herding optimization algorithm. , 2017, , .		50
28	Fireworks algorithm applied to constrained portfolio optimization problem. , 2015, , .		49
29	Multi-objective Task Scheduling in Cloud Computing Environment by Hybridized Bat Algorithm. Advances in Intelligent Systems and Computing, 2021, , 718-725.	0.6	48
30	Cuckoo Search and Firefly Algorithm Applied to Multilevel Image Thresholding. Studies in Computational Intelligence, 2014, , 115-139.	0.9	47
31	Unmanned Combat Aerial Vehicle Path Planning by Brain Storm Optimization Algorithm. Studies in Informatics and Control, 2018, 27, .	1.2	46
32	Support vector machine parameter tuning using firefly algorithm. , 2016, , .		44
33	A multi-heuristic approach for solving the pre-marshalling problem. Central European Journal of Operations Research, 2017, 25, 1-28.	1.8	43
34	Edge detection in medical ultrasound images using adjusted Canny edge detection algorithm. , 2016, , .		42
35	Target Localization in NLOS Environments Using RSS and TOA Measurements. IEEE Wireless Communications Letters, 2018, 7, 1062-1065.	5.0	40
36	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.	7.2	39

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37	Cloudlet Scheduling by Hybridized Monarch Butterfly Optimization Algorithm. Journal of Sensor and Actuator Networks, 2019, 8, 44.	3.9	39
38	Hybrid Seeker Optimization Algorithm for Global Optimization. Applied Mathematics and Information Sciences, 2013, 7, 867-875.	0.5	37
39	An algorithm for automated segmentation for bleeding detection in endoscopic images. , 2017, , .		36
40	Mobile Robot Path Planning by Improved Brain Storm Optimization Algorithm. , 2018, , .		36
41	Support Vector Machine Optimized by Elephant Herding Algorithm for Erythemato-Squamous Diseases Detection. Procedia Computer Science, 2017, 122, 916-923.	2.0	33
42	Unmanned aerial vehicle path planning problem by adjusted elephant herding optimization. , 2017, , .		33
43	Feed-Forward Neural Network Training by Hybrid Bat Algorithm. Communications in Computer and Information Science, 2021, , 52-66.	0.5	32
44	Hybridized bat algorithm for multi-objective radio frequency identification (RFID) network planning. , 2015, , .		29
45	Leaf recognition algorithm using support vector machine with Hu moments and local binary patterns. , 2017, , .		29
46	Retinal blood vessel segmentation by support vector machine classification. , 2017, , .		28
47	Support Vector Machine Parameters Optimization by Enhanced Fireworks Algorithm. Lecture Notes in Computer Science, 2016, , 526-534.	1.3	28
48	Wireless sensor network coverage problem using modified fireworks algorithm. , 2016, , .		27
49	Monarch butterfly optimization algorithm for localization in wireless sensor networks. , 2018, , .		27
50	Brain Image Segmentation Based on Firefly Algorithm Combined with K-means Clustering. Studies in Informatics and Control, 2019, 28, .	1.2	27
51	Adjusted bat algorithm for tuning of support vector machine parameters. , 2016, , .		26
52	Bayesian methodology for target tracking using combined RSS and AoA measurements. Physical Communication, 2017, 25, 158-166.	2.1	26
53	Enhanced firefly algorithm for constrained numerical optimization. , 2017, , .		26
54	Upgraded Firefly Algorithm for Portfolio Optimization Problem. , 2014, , .		25

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55	Fireworks algorithm for RFID network planning problem. , 2015, , .		25
56	Cuckoo Search and Bat Algorithm Applied to Training Feed-Forward Neural Networks. Studies in Computational Intelligence, 2015, , 139-162.	0.9	24
57	ï»¿Parallelized Multiple Swarm Artificial Bee Colony Algorithm (MS-ABC) for Global Optimization. Studies in Informatics and Control, 2014, 23, .	1.2	24
58	JPEG quantization tables selection by the firefly algorithm. , 2014, , .		23
59	Elephant Herding Optimization Algorithm for Wireless Sensor Network Localization Problem. IFIP Advances in Information and Communication Technology, 2018, , 175-184.	0.7	23
60	Generative Adversarial Optimization (GOA) for Acute Lymphocytic Leukemia Detection. Studies in Informatics and Control, 2019, 28, 245-254.	1.2	23
61	RFID Network Planning by ABC Algorithm Hybridized with Heuristic for Initial Number and Locations of Readers. , 2015, , .		21
62	Node localization in ad hoc wireless sensor networks using fireworks algorithm. , 2016, , .		21
63	Dynamic Search Tree Growth Algorithm for Global Optimization. IFIP Advances in Information and Communication Technology, 2019, , 143-153.	0.7	21
64	Fixed Set Search Applied to the Traveling Salesman Problem. Lecture Notes in Computer Science, 2019, , 63-77.	1.3	21
65	Convolutional Neural Network Architecture Design by the Tree Growth Algorithm Framework. , 2019, , .		20
66	Improved Hybridized Bat Algorithm for Global Numerical Optimization. , 2014, , .		19
67	Wireless Sensor Network Localization Problem by Hybridized Moth Search Algorithm. , 2018, , .		18
68	JPEG Quantization Table Optimization by Guided Fireworks Algorithm. Lecture Notes in Computer Science, 2017, , 294-307.	1.3	18
69	Chaotic elephant herding optimization algorithm. , 2018, , .		17
70	An ant colony optimization algorithm for partitioning graphs with supply and demand. Applied Soft Computing Journal, 2016, 41, 317-330.	7.2	16
71	Two Stage Wireless Sensor Node Localization Using Firefly Algorithm. Lecture Notes in Networks and Systems, 2018, , 113-120.	0.7	16
72	Constrained Portfolio Optimization by Hybridized Bat Algorithm. , 2016, , .		15

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73	Chaotic Brain Storm Optimization Algorithm. Lecture Notes in Computer Science, 2017, , 551-559.	1.3	15
74	Hybridized moth search algorithm for constrained optimization problems. , 2018, , .		14
75	Automatically Designing Convolutional Neural Network Architecture with Artificial Flora Algorithm. Advances in Intelligent Systems and Computing, 2020, , 371-378.	0.6	14
76	Fireworks algorithm applied to wireless sensor networks localization problem. , 2016, , .		13
77	Mobile wireless sensor networks coverage maximization by firefly algorithm. , 2017, , .		13
78	Hybridized Artificial Bee Colony Algorithm for Constrained Portfolio Optimization Problem. , 2018, , .		12
79	Dynamic Tree Growth Algorithm for Load Scheduling in Cloud Environments. , 2019, , .		12
80	Artificial Flora Optimization Algorithm for Task Scheduling in Cloud Computing Environment. Lecture Notes in Computer Science, 2019, , 437-445.	1.3	12
81	Hierarchical multiobjective RFID network planning using firefly algorithm. , 2015, , .		11
82	Energy Efficient Sink Placement in Wireless Sensor Networks by Brain Storm Optimization Algorithm. , 2018, , .		11
83	Firefly algorithm for multi-objective RFID network planning problem. , 2014, , .		10
84	Multi-objective RFID network planning with probabilistic coverage model by guided fireworks algorithm. , 2017, , .		10
85	Hybridized Elephant Herding Optimization Algorithm for Constrained Optimization. Advances in Intelligent Systems and Computing, 2018, , 158-166.	0.6	10
86	Bare Bones Fireworks Algorithm for the RFID Network Planning Problem. , 2018, , .		10
87	Multiobjective RFID Network Planning by Artificial Bee Colony Algorithm with Genetic Operators. Lecture Notes in Computer Science, 2015, , 247-254.	1.3	10
88	Bare Bones Fireworks Algorithm for Capacitated p-Median Problem. Lecture Notes in Computer Science, 2018, , 283-291.	1.3	10
89	Dynamic recursive subimage histogram equalization algorithm for image contrast enhancement. , 2015, , .		9
90	Drone Placement for Optimal Coverage by Brain Storm Optimization Algorithm. Advances in Intelligent Systems and Computing, 2018, , 167-176.	0.6	9

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91	Bare Bones Fireworks Algorithm for Feature Selection and SVM Optimization. , 2019, , .		9
92	Modified Monarch Butterfly Optimization Algorithm for RFID Network Planning. , 2018, , .		8
93	Acute Lymphoblastic Leukemia Cell Detection in Microscopic Digital Images Based on Shape and Texture Features. Lecture Notes in Computer Science, 2019, , 142-151.	1.3	8
94	Combined Elephant Herding Optimization Algorithm with K-means for Data Clustering. Smart Innovation, Systems and Technologies, 2019, , 665-673.	0.6	8
95	Dropout Probability Estimation in Convolutional Neural Networks by the Enhanced Bat Algorithm. , 2020, , .		8
96	Convolutional Neural Networks Hyperparameters Tuning. Studies in Computational Intelligence, 2021, , 65-84.	0.9	8
97	Asymptotic Behavior of the Maximum Entropy Routing in Computer Networks. Entropy, 2013, 15, 361-371.	2.2	7
98	Framework for abnormality detection in magnetic resonance brain images. , 2016, , .		7
99	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.	2.2	7
100	Web Intelligence Data Clustering by Bare Bone Fireworks Algorithm Combined with K-Means. , 2018, , .		7
101	Cooperative clustering algorithm based on brain storm optimization and K-means. , 2018, , .		7
102	Modified and Hybridized Monarch Butterfly Algorithms for Multi-Objective Optimization. Advances in Intelligent Systems and Computing, 2020, , 449-458.	0.6	7
103	An upgraded bat algorithm for tuning extreme learning machines for data classification. , 2017, , .		6
104	Water Cycle Algorithm for Robot Path Planning. , 2018, , .		6
105	Bare Bones Fireworks Algorithm for Medical Image Compression. Lecture Notes in Computer Science, 2018, , 262-270.	1.3	6
106	Extreme Learning Machines for Data Classification Tuning by Improved Bat Algorithm. , 2018, , .		6
107	Efficient drone placement for wireless sensor networks coverage by bare bones fireworks algorithm. , 2018, , .		6
108	Analysis of local binary pattern for emphysema classification in lung CT image. , 2019, , .		6

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109	Tuning Convolutional Neural Network Hyperparameters by Bare Bones Fireworks Algorithm. Studies in Informatics and Control, 2022, 31, 25-35.	1.2	6
110	Bleeding Detection in Wireless Capsule Endoscopy Images Using Texture and Color Features. , 2018, , .		5
111	Exploiting Orientation Information to Improve Range-Based Localization Accuracy. IEEE Access, 2020, 8, 44041-44047.	4.2	5
112	Support Vector Machine Optimized by Fireworks Algorithm for Handwritten Digit Recognition. Communications in Computer and Information Science, 2020, , 187-199.	0.5	5
113	An efficient WLS estimator for target localization in wireless sensor networks. , 2016, , .		4
114	Range Based Wireless Sensor Node Localization Using Bat Algorithm. , 2016, , .		4
115	Digital image forgery detection based on shadow HSV inconsistency. , 2017, , .		4
116	Kalman filter for target tracking using coupled RSS and AoA measurements. , 2017, , .		4
117	Water Cycle Algorithm for Solving Continuous P-Median Problem. , 2018, , .		4
118	Optimal Path Planning in Environments with Static Obstacles by Harmony Search Algorithm. Advances in Intelligent Systems and Computing, 2020, , 186-193.	0.6	4
119	Improved lip detection algorithm based on region segmentation and edge detection. , 2015, , .		3
120	Hybridized krill herd algorithm for large-scale optimization problems. , 2017, , .		3
121	Brain Storm Optimization Algorithm for Thermal Image Fusion using DCT Coefficients. , 2019, , .		3
122	Guided Fireworks Algorithm Applied to the Maximal Covering Location Problem. Lecture Notes in Computer Science, 2017, , 501-508.	1.3	3
123	Modified Moth Search Algorithm for Portfolio Optimization. Smart Innovation, Systems and Technologies, 2020, , 445-453.	0.6	3
124	Acute Lymphoblastic Leukemia Detection by Tuned Convolutional Neural Network. , 2022, , .		3
125	Rigid Image Registration by Bare Bones Fireworks Algorithm. , 2018, , .		2
126	Feature Selection and Interpretable Feature Transformation: A Preliminary Study on Feature Engineering for Classification Algorithms. Lecture Notes in Computer Science, 2018, , 280-287.	1.3	2

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127	Multispectral Satellite Image Classification Based on Bare Bone Fireworks Algorithm. Advances in Intelligent Systems and Computing, 2020, , 305-313.	0.6	2
128	Performance Analysis of the Fireworks Algorithm Versions. Lecture Notes in Computer Science, 2021, , 415-422.	1.3	2
129	Image Classification by Optimized Convolution Neural Networks. Lecture Notes in Networks and Systems, 2022, , 447-454.	0.7	2
130	A geodesic descent technique for PAPR reduction in MIMO-OFDM. , 2015, , .		1
131	Case Study of Target Localization Based on Hybrid and Traditional Ranging via RSS and TOA. , 2018, , .		1
132	On Hybrid RSS/TOA Target Localization in NLOS Environments. , 2018, , .		1
133	Adjusted Artificial Bee Colony Algorithm for the Minimum Weight Triangulation. Advances in Intelligent Systems and Computing, 2019, , 305-317.	0.6	1
134	An implementation of ray tracing algorithm for the multiprocessor machines. Yugoslav Journal of Operations Research, 2006, 16, 125-135.	0.8	1
135	Color Image Segmentation by Multilevel Thresholding Based on Harmony Search Algorithm. Lecture Notes in Computer Science, 2017, , 571-579.	1.3	1
136	A WLS Estimator for Target Localization in a Cooperative Wireless Sensor Network. IFIP Advances in Information and Communication Technology, 2016, , 273-283.	0.7	0
137	Target localization in adverse indoor environments. , 2017, , .		0
138	MAP Estimator for Target Tracking in Wireless Sensor Networks for Unknown Transmit Power. IFIP Advances in Information and Communication Technology, 2017, , 325-334.	0.7	0
139	Optimized Algorithm for Petviashviliâ€™s Method for Finding Solitons in Photonic Lattices. Springer Optimization and Its Applications, 2010, , 393-400.	0.9	0
140	Swarm Intelligence Approach for Feature Selection Problem. , 2022, , .		0