

Shu-Chuan Chu

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

191 papers	2,037 citations	24 h-index	40 g-index
210 ext. papers	2,693 ext. citations	2.3 avg, IF	6.01 L-index

#	Paper	IF	Citations
191	Cat Swarm Optimization. <i>Lecture Notes in Computer Science</i> , 2006 , 854-858	0.9	253
190	Improved Binary Grey Wolf Optimizer and Its application for feature selection. <i>Knowledge-Based Systems</i> , 2020 , 195, 105746	7.3	116
189	Ant colony system with communication strategies. <i>Information Sciences</i> , 2004 , 167, 63-76	7.7	109
188	Kernel class-wise locality preserving projection. <i>Information Sciences</i> , 2008 , 178, 1825-1835	7.7	78
187	Novel Parallel Heterogeneous Meta-Heuristic and Its Communication Strategies for the Prediction of Wind Power. <i>Processes</i> , 2019 , 7, 845	2.9	65
186	A parallel compact cuckoo search algorithm for three-dimensional path planning. <i>Applied Soft Computing Journal</i> , 2020 , 94, 106443	7.5	64
185	A Compact Pigeon-Inspired Optimization for Maximum Short-Term Generation Mode in Cascade Hydroelectric Power Station. <i>Sustainability</i> , 2020 , 12, 767	3.6	61
184	Quasi-Affine Transformation Evolutionary Algorithm With Communication Schemes for Application of RSSI in Wireless Sensor Networks. <i>IEEE Access</i> , 2020 , 8, 8583-8594	3.5	54
183	Tabu search based multi-watermarks embedding algorithm with multiple description coding. <i>Information Sciences</i> , 2011 , 181, 3379-3396	7.7	51
182	A ladder diffusion algorithm using ant colony optimization for wireless sensor networks. <i>Information Sciences</i> , 2012 , 192, 204-212	7.7	48
181	Sparse representation-based MRI super-resolution reconstruction. <i>Measurement: Journal of the International Measurement Confederation</i> , 2014 , 47, 946-953	4.6	47
180	Genetic Watermarking for Zerotree-Based Applications. <i>Circuits, Systems, and Signal Processing</i> , 2008 , 27, 171-182	2.2	45
179	A Hybrid Differential Evolution Algorithm and Its Application in Unmanned Combat Aerial Vehicle Path Planning. <i>IEEE Access</i> , 2020 , 8, 17691-17712	3.5	37
178	A Parallel Multi-Verse Optimizer for Application in Multilevel Image Segmentation. <i>IEEE Access</i> , 2020 , 8, 32018-32030	3.5	36
177	Improved Compact Cuckoo Search Algorithm Applied to Location of Drone Logistics Hub. <i>Mathematics</i> , 2020 , 8, 333	2.3	35
176	Monkey King Evolution: an enhanced ebb-tide-fish algorithm for global optimization and its application in vehicle navigation under wireless sensor network environment. <i>Telecommunication Systems</i> , 2017 , 65, 351-364	2.3	34
175	An efficient surrogate-assisted hybrid optimization algorithm for expensive optimization problems. <i>Information Sciences</i> , 2021 , 561, 304-325	7.7	34

174	New Hybrid Algorithms for Prediction of Daily Load of Power Network. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 4514	2.6	30
173	Overview of Algorithms for Swarm Intelligence. <i>Lecture Notes in Computer Science</i> , 2011 , 28-41	0.9	28
172	Digital watermarking with improved SMS applied for QR code. <i>Engineering Applications of Artificial Intelligence</i> , 2021 , 97, 104049	7.2	27
171	Constrained Ant Colony Optimization for Data Clustering. <i>Lecture Notes in Computer Science</i> , 2004 , 534-543	5.4	25
170	Hybrid Particle Swarm Optimization with Bat Algorithm. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 37-47	0.4	24
169	Symbiotic Organism Search Algorithm with Multi-Group Quantum-Behavior Communication Scheme Applied in Wireless Sensor Networks. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 930	2.6	24
168	Binary fish migration optimization for solving unit commitment. <i>Energy</i> , 2021 , 226, 120329	7.9	24
167	Privacy preservation through a greedy, distortion-based rule-hiding method. <i>Applied Intelligence</i> , 2016 , 44, 295-306	4.9	23
166	Hadamard transform based fast codeword search algorithm for high-dimensional VQ encoding. <i>Information Sciences</i> , 2007 , 177, 734-746	7.7	21
165	Cat Swarm Optimization 2006 , 854		21
164	A Novel Pigeon-Inspired Optimization Based MPPT Technique for PV Systems. <i>Processes</i> , 2020 , 8, 356	2.9	18
163	A parallel WOA with two communication strategies applied in DV-Hop localization method. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2020 , 2020,	3.2	18
162	An efficient surrogate-assisted quasi-affine transformation evolutionary algorithm for expensive optimization problems. <i>Knowledge-Based Systems</i> , 2020 , 209, 106418	7.3	18
161	Self Embedding Watermarking Using Halftoning Technique. <i>Circuits, Systems, and Signal Processing</i> , 2008 , 27, 155-170	2.2	17
160	A Survey of Vein Recognition Techniques. <i>Information Technology Journal</i> , 2010 , 9, 1142-1149	0.7	17
159	Phasmatodea population evolution algorithm and its application in length-changeable incremental extreme learning machine 2020 ,		17
158	3-D Terrain Node Coverage of Wireless Sensor Network Using Enhanced Black Hole Algorithm. <i>Sensors</i> , 2020 , 20,	3.8	16
157	Identifying correctness data scheme for aggregating data in cluster heads of wireless sensor network based on naive Bayes classification. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2020 , 2020,	3.2	16

156	Sine Cosine Algorithm with Multigroup and Multistrategy for Solving CVRP. <i>Mathematical Problems in Engineering</i> , 2020 , 2020, 1-10	1.1	14
155	A novel pigeon-inspired optimization with QUasi-Affine TRansformation evolutionary algorithm for DV-Hop in wireless sensor networks. <i>International Journal of Distributed Sensor Networks</i> , 2020 , 16, 155014772093274	1.7	14
154	Simplified Phasmatodea population evolution algorithm for optimization. <i>Complex & Intelligent Systems</i> , 1	7.1	14
153	Optimal Design and Simulation for PID Controller Using Fractional-Order Fish Migration Optimization Algorithm. <i>IEEE Access</i> , 2021 , 9, 8808-8819	3.5	14
152	Compact Bat Algorithm. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 57-68	0.4	13
151	Fuzzy Hierarchical Surrogate Assists Probabilistic Particle Swarm Optimization for expensive high dimensional problem. <i>Knowledge-Based Systems</i> , 2021 , 220, 106939	7.3	13
150	Intelligent Parallel Particle Swarm Optimization Algorithms 2006 , 159-175		13
149	Kernel self-optimization learning for kernel-based feature extraction and recognition. <i>Information Sciences</i> , 2014 , 257, 70-80	7.7	12
148	A transmission power optimization with a minimum node degree for energy-efficient wireless sensor networks with full-reachability. <i>Sensors</i> , 2013 , 13, 3951-74	3.8	11
147	A hybridized parallel bats algorithm for combinatorial problem of traveling salesman. <i>Journal of Intelligent and Fuzzy Systems</i> , 2020 , 38, 5811-5820	1.6	10
146	Timetable Scheduling Using Particle Swarm Optimization		10
145	Evolved Bat Algorithm for Solving the Economic Load Dispatch Problem. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 109-119	0.4	10
144	An Adaptive Parallel Arithmetic Optimization Algorithm for Robot Path Planning. <i>Journal of Advanced Transportation</i> , 2021 , 2021, 1-22	1.9	10
143	Diversity Teams in Soccer League Competition Algorithm for Wireless Sensor Network Deployment Problem. <i>Symmetry</i> , 2020 , 12, 445	2.7	9
142	Parallel Compact Differential Evolution for Optimization Applied to Image Segmentation. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 2195	2.6	9
141	Compact Artificial Bee Colony. <i>Lecture Notes in Computer Science</i> , 2014 , 96-105	0.9	9
140	Improved binary pigeon-inspired optimization and its application for feature selection. <i>Applied Intelligence</i> , 1	4.9	9
139	A parallel compact cat swarm optimization and its application in DV-Hop node localization for wireless sensor network. <i>Wireless Networks</i> , 2021 , 27, 2081-2101	2.5	9

138	Adaptively weighted sub-directional two-dimensional linear discriminant analysis for face recognition. <i>Future Generation Computer Systems</i> , 2012 , 28, 232-235	7.5	8
137	Parallel Ant Colony Systems. <i>Lecture Notes in Computer Science</i> , 2003 , 279-284	0.9	8
136	QUATRE Algorithm with Sort Strategy for Global Optimization in Comparison with DE and PSO Variants. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 314-323	0.4	8
135	A Provably Secure Three-Factor Authentication Protocol for Wireless Sensor Networks. <i>Wireless Communications and Mobile Computing</i> , 2021 , 2021, 1-15	1.9	8
134	Compact Sine Cosine Algorithm with Multigroup and Multistrategy for Dispatching System of Public Transit Vehicles. <i>Journal of Advanced Transportation</i> , 2021 , 2021, 1-16	1.9	8
133	Development of a Three-Dimensional Multimode Visual Immersive System With Applications in Telepresence. <i>IEEE Systems Journal</i> , 2017 , 11, 2818-2828	4.3	7
132	Parallel Equilibrium Optimizer Algorithm and its application in Capacitated Vehicle Routing Problem. <i>Intelligent Automation and Soft Computing</i> , 2021 , 27, 233-247	2.6	7
131	A distributed parallel firefly algorithm with communication strategies and its application for the control of variable pitch wind turbine. <i>ISA Transactions</i> , 2021 , 115, 79-94	5.5	7
130	SimSim: A Service Discovery Method Preserving Content Similarity and Spatial Similarity in P2P Mobile Cloud. <i>Journal of Grid Computing</i> , 2019 , 17, 79-95	4.2	6
129	A Communication Strategy for Paralleling Grey Wolf Optimizer. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 253-262	0.4	6
128	Kernel Learning Algorithms for Face Recognition 2014 ,		6
127	An Efficient Image Encryption Scheme Based on ZUC Stream Cipher and Chaotic Logistic Map. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 301-310	0.4	6
126	Lossless Data Hiding for Halftone Images. <i>Studies in Computational Intelligence</i> , 2009 , 181-203	0.8	6
125	Internal search of the evolution matrix in QUasi-Affine TRansformation Evolution (QUATRE) algorithm. <i>Journal of Intelligent and Fuzzy Systems</i> , 2020 , 38, 5673-5684	1.6	5
124	Improved Binary Symbiotic Organism Search Algorithm With Transfer Functions for Feature Selection. <i>IEEE Access</i> , 2020 , 8, 225730-225744	3.5	5
123	A Novel Hybrid GWO-FPA Algorithm for Optimization Applications. <i>Smart Innovation, Systems and Technologies</i> , 2018 , 274-281	0.5	5
122	Dynamic Diversity Population Based Flower Pollination Algorithm for Multimodal Optimization. <i>Lecture Notes in Computer Science</i> , 2016 , 440-448	0.9	5
121	Discriminant Analysis Based on Nearest Feature Line. <i>Lecture Notes in Computer Science</i> , 2013 , 356-363	0.9	5

120	A Node Location Method in Wireless Sensor Networks Based on a Hybrid Optimization Algorithm. <i>Wireless Communications and Mobile Computing</i> , 2020 , 2020, 1-14	1.9	5
119	Adaptive Cat Swarm Optimization Algorithm and Its Applications in Vehicle Routing Problems. <i>Mathematical Problems in Engineering</i> , 2020 , 2020, 1-14	1.1	5
118	Wind power prediction based on neural network with optimization of adaptive multi-group salp swarm algorithm. <i>Cluster Computing</i> , 2021 , 24, 2083-2098	2.1	5
117	A real-time interactive system of surface reconstruction and dynamic projection mapping with RGB-depth sensor and projector. <i>International Journal of Distributed Sensor Networks</i> , 2018 , 14, 155014771879085	1.7	5
116	An Efficient K-Medoids-Based Algorithm Using Previous Medoid Index, Triangular Inequality Elimination Criteria, and Partial Distance Search. <i>Lecture Notes in Computer Science</i> , 2002 , 63-72	0.9	4
115	Non-redundant VQ channel coding using tabu search strategy. <i>Electronics Letters</i> , 1996 , 32, 1545	1.1	4
114	Enhanced Equilibrium Optimizer algorithm applied in job shop scheduling problem. <i>Journal of Intelligent Manufacturing</i> , 1	6.7	4
113	An Improved Bat Algorithm Based on Hybrid with Ant Lion Optimizer. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 50-60	0.4	4
112	Golden eagle optimizer with double learning strategies for 3D path planning of UAV in power inspection. <i>Mathematics and Computers in Simulation</i> , 2022 , 193, 509-532	3.3	4
111	A Lightweight Intelligent Intrusion Detection Model for Wireless Sensor Networks. <i>Security and Communication Networks</i> , 2021 , 2021, 1-15	1.9	4
110	A Multi-objective Ions Motion Optimization for Robot Path Planning. <i>Lecture Notes in Networks and Systems</i> , 2019 , 46-54	0.5	4
109	Automatic Measurement of Pennation Angle from Ultrasound Images using Resnets. <i>Ultrasonic Imaging</i> , 2021 , 43, 74-87	1.9	4
108	A multigroup marine predator algorithm and its application for the power system economic load dispatch. <i>Energy Science and Engineering</i> ,	3.4	4
107	Gabor-based kernel self-optimization Fisher discriminant for optical character segmentation from text-image-mixed document. <i>Optik</i> , 2015 , 126, 3119-3124	2.5	3
106	A Kernel-Based Probabilistic Collaborative Representation for Face Recognition. <i>IEEE Access</i> , 2020 , 8, 37946-37957	3.5	3
105	A Compact Flower Pollination Algorithm Optimization 2016 ,		3
104	The triple-watermarking algorithm with multiple description coding over lossy communication networks 2009 ,		3
103	Parallel fish migration optimization with compact technology based on memory principle for wireless sensor networks. <i>Knowledge-Based Systems</i> , 2022 , 241, 108124	7.3	3

102	Visual cryptography scheme for secret color images with color QR codes. <i>Journal of Visual Communication and Image Representation</i> , 2022 , 82, 103405	2.7	3
101	Improved Performance of Wireless Sensor Network Based on Fuzzy Logic for Clustering Scheme. <i>Smart Innovation, Systems and Technologies</i> , 2019 , 104-113	0.5	3
100	Directional Shuffled Frog Leaping Algorithm. <i>Smart Innovation, Systems and Technologies</i> , 2018 , 257-264	0.5	3
99	Bees and Pollens with Communication Strategy for Optimization. <i>Lecture Notes in Computer Science</i> , 2016 , 651-660	0.9	3
98	An Extensible Particles Swarm Optimization for Energy-Effective Cluster Management of Underwater Sensor Networks. <i>Lecture Notes in Computer Science</i> , 2010 , 109-116	0.9	3
97	An optimized machine learning technology scheme and its application in fault detection in wireless sensor networks. <i>Journal of Applied Statistics</i> , 1-18	1	3
96	A parallel compact sine cosine algorithm for TDOA localization of wireless sensor network. <i>Telecommunication Systems</i> , 2021 , 78, 213-223	2.3	3
95	A new hybrid algorithm based on golden eagle optimizer and grey wolf optimizer for 3D path planning of multiple UAVs in power inspection. <i>Neural Computing and Applications</i> , 1	4.8	3
94	Multi-surrogate assisted binary particle swarm optimization algorithm and its application for feature selection. <i>Applied Soft Computing Journal</i> , 2022 , 121, 108736	7.5	3
93	Modified Mayfly Algorithm for UAV Path Planning. <i>Drones</i> , 2022 , 6, 134	5.4	3
92	Decentralized Private Information Sharing Protocol on Social Networks. <i>Security and Communication Networks</i> , 2020 , 2020, 1-12	1.9	2
91	Power Reduction of Wireless Sensor Networks Using Ant Colony Optimization 2010 ,		2
90	Neighborhood Discriminant Nearest Feature Line Analysis for Face Recognition 2011 ,		2
89	Improved search strategies and extensions to k-medoids-based clustering algorithms. <i>International Journal of Business Intelligence and Data Mining</i> , 2008 , 3, 212	0.3	2
88	2007 ,		2
87	A Novel Matrix Norm Based Gaussian Kernel for Feature Extraction of Images 2006 ,		2
86	2006 ,		2
85	A Novel Binary Slime Mould Algorithm with AU Strategy for Cognitive Radio Spectrum Allocation. <i>International Journal of Computational Intelligence Systems</i> , 2021 , 14,	3.4	2

84	Parallel Charged System Search Algorithm for Energy Management in Wireless Sensor Network 2020 ,		2
83	Face Recognition from a Single Image per Person Using Common Subfaces Method. <i>Lecture Notes in Computer Science</i> , 2007 , 905-912	0.9	2
82	QUasi-Affine TRansformation Evolutionary Algorithm for Feature Selection. <i>Smart Innovation, Systems and Technologies</i> , 2022 , 147-156	0.5	2
81	Distortion-Based Heuristic Sensitive Rule Hiding Method The Greedy Way. <i>Lecture Notes in Computer Science</i> , 2014 , 77-86	0.9	2
80	Prediction of Chaotic Time Series of RBF Neural Network Based on Particle Swarm Optimization. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 489-497	0.4	2
79	An Effective Image Enhancement Method for Electronic Portal Images. <i>Lecture Notes in Computer Science</i> , 2010 , 174-183	0.9	2
78	A Novel Binary QUasi-Affine TRansformation Evolutionary (QUATRE) Algorithm. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 2251	2.6	2
77	Using color QR codes for QR code secret sharing. <i>Multimedia Tools and Applications</i> ,1	2.5	2
76	Maximum power point tracking and parameter estimation for multiple-photovoltaic arrays based on enhanced pigeon-inspired optimization with Taguchi method. <i>Energy</i> , 2022 , 123863	7.9	2
75	Dynamic reconfiguration of distribution network based on dynamic optimal period division and multi-group flight slime mould algorithm. <i>Electric Power Systems Research</i> , 2022 , 208, 107925	3.5	2
74	A single-phase-to-ground fault location method based on convolutional deep belief network. <i>Electric Power Systems Research</i> , 2022 , 209, 108044	3.5	2
73	Load balancing for mitigating hotspot problem in wireless sensor network based on enhanced diversity pollen. <i>Journal of Information and Telecommunication</i> , 2018 , 2, 91-106	1.4	1
72	A Reduce Identical Event Transmission Algorithm for Wireless Sensor Networks. <i>Advances in Intelligent Systems and Computing</i> , 2013 , 147-154	0.4	1
71	Fuzzy Extended Feature Line Classifier for Image Classification 2015 ,		1
70	An Optimal Clustering Formation for Wireless Sensor Network Based on Compact Genetic Algorithm 2015 ,		1
69	Statistical Learning-Based Face Recognition 2014 , 19-47		1
68	Genetic Generalized Discriminant Analysis and Its Applications. <i>Lecture Notes in Computer Science</i> , 2014 , 246-255	0.9	1
67	A new scheme of ant colony system algorithm to discovery optimal solution with flip-flop search 2011 ,		1

66	Improved fish migration optimization with the opposition learning based on elimination principle for cluster head selection. <i>Wireless Networks</i> , 2022 , 28, 1017	2.5	1
65	Compact Sine Cosine Algorithm applied in vehicle routing problem with time window. <i>Telecommunication Systems</i> , 2021 , 78, 609-628	2.3	1
64	A two-phase quasi-affine transformation evolution with feedback for parameter identification of photovoltaic models. <i>Applied Soft Computing Journal</i> , 2021 , 113, 107978	7.5	1
63	The Complexity Analysis of Chaotic Systems. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 311-320	2.4	1
62	Multipurpose Image Watermarking Algorithms and Applications. <i>Studies in Computational Intelligence</i> , 2007 , 287-323	0.8	1
61	A Research on Behavior of Sleepy Lizards Based on KNN Algorithm. <i>Lecture Notes in Computer Science</i> , 2012 , 109-118	0.9	1
60	A Novel Approach on Behavior of Sleepy Lizards Based on K-Nearest Neighbor Algorithm. <i>Studies in Computational Intelligence</i> , 2014 , 287-311	0.8	1
59	Traffic collisions early warning aided by small unmanned aerial vehicle companion. <i>Telecommunication Systems</i> , 2020 , 75, 169-180	2.3	1
58	Hybrid Strategy of Multiple Optimization Algorithms Applied to 3-D Terrain Node Coverage of Wireless Sensor Network. <i>Wireless Communications and Mobile Computing</i> , 2021 , 2021, 1-21	1.9	1
57	A Novel Binary QUasi-Affine TRansformation Evolution (QUATRE) Algorithm and Its Application for Feature Selection. <i>Smart Innovation, Systems and Technologies</i> , 2022 , 305-315	0.5	1
56	Multi-group multi-verse optimizer for energy efficient for routing algorithm in wireless sensor network. <i>Journal of Intelligent and Fuzzy Systems</i> , 2022 , 1-12	1.6	1
55	A parallel compact firefly algorithm for the control of variable pitch wind turbine. <i>Engineering Applications of Artificial Intelligence</i> , 2022 , 111, 104787	7.2	1
54	A Mahalanobis Surrogate-Assisted Ant Lion Optimization and Its Application in 3D Coverage of Wireless Sensor Networks. <i>Entropy</i> , 2022 , 24, 586	2.8	1
53	Efficient Network Architecture Search Using Hybrid Optimizer. <i>Entropy</i> , 2022 , 24, 656	2.8	1
52	Multi-Group Gorilla Troops Optimizer with Multi-Strategies for 3D Node Localization of Wireless Sensor Networks. <i>Sensors</i> , 2022 , 22, 4275	3.8	1
51	Tumbleweed Algorithm and Its Application for Solving Location Problem of Logistics Distribution Center. <i>Lecture Notes in Electrical Engineering</i> , 2022 , 641-652	0.2	0
50	Information Hiding Based on Two-Level Mechanism and Look-Up Table Approach. <i>Symmetry</i> , 2022 , 14, 315	2.7	0
49	A Compact Adaptive Particle Swarm Optimization Algorithm in the Application of the Mobile Sensor Localization. <i>Wireless Communications and Mobile Computing</i> , 2021 , 2021, 1-15	1.9	0

48	A Genetic Algorithm with Elite Mutation to Optimize Cruise Area of Mobile Sinks in Hierarchical Wireless Sensor Networks. <i>Lecture Notes in Computer Science</i> , 2012 , 402-412	0.9	o
47	Equilibrium optimizer of interswarm interactive learning strategy. <i>Enterprise Information Systems</i> , 2021 , 1-25	3.5	o
46	An Improved Whale Optimization Algorithm and Its Application to Power Generation in Cascade Reservoir. <i>Smart Innovation, Systems and Technologies</i> , 2021 , 228-237	0.5	o
45	Improving K-Means with Harris Hawks Optimization Algorithm. <i>Smart Innovation, Systems and Technologies</i> , 2022 , 95-104	0.5	o
44	Advanced Phasmatodea Population Evolution Algorithm for Capacitated Vehicle Routing Problem. <i>Journal of Advanced Transportation</i> , 2022 , 2022, 1-20	1.9	o
43	A competitive mechanism based multi-objective differential evolution algorithm and its application in feature selection. <i>Knowledge-Based Systems</i> , 2022 , 245, 108582	7.3	o
42	Task Scheduling in Cloud Computing Environment Using Advanced Phasmatodea Population Evolution Algorithms. <i>Electronics (Switzerland)</i> , 2022 , 11, 1451	2.6	o
41	Improved Binary Grasshopper Optimization Algorithm for Feature Selection Problem. <i>Entropy</i> , 2022 , 24, 777	2.8	o
40	Novel multi-centroid, multi-run sampling schemes for K-medoids-based algorithms. <i>International Journal of Knowledge-Based and Intelligent Engineering Systems</i> , 2004 , 8, 45-56	0.5	
39	Multi-group Discrete Symbiotic Organisms Search Algorithm Based Clustering Method for Large-Scale Traveling Salesman Problem. <i>Lecture Notes in Electrical Engineering</i> , 2022 , 419-428	0.2	
38	Cryptanalysis of an Anonymous Mutual Authentication Scheme in Mobile Networks. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 462-467	0.4	
37	An QUasi-Affine TRansformation Evolution (QUATRE) Algorithm for Job-Shop Scheduling Problem by Mixing Different Strategies. <i>Smart Innovation, Systems and Technologies</i> , 2022 , 167-175	0.5	
36	QUasi-Affine TRansformation Evolution Algorithm for Optimal Power Flow of Integrated Electrical Network Combining Thermal Power with Wind Power. <i>Smart Innovation, Systems and Technologies</i> , 2022 , 177-185	0.5	
35	Hybrid Optimization Algorithm Based on QUATRE and ABC Algorithms. <i>Smart Innovation, Systems and Technologies</i> , 2022 , 187-197	0.5	
34	Advanced QUasi-Affine TRansformation Evolutionary (QUATRE) Algorithm and Its Application for Neural Network. <i>Smart Innovation, Systems and Technologies</i> , 2022 , 157-165	0.5	
33	A Beta Distribution Based Optimization Algorithm and Its Application in Power Load Forecasting. <i>Lecture Notes in Electrical Engineering</i> , 2022 , 25-35	0.2	
32	TDOA Location Based on Pigeon-Inspired Optimization Algorithm in WSNs. <i>Lecture Notes in Electrical Engineering</i> , 2022 , 724-733	0.2	
31	Intelligent Ant Colony System for Traveling Salesman Problem and Clustering 2007 , 18-42		

30	A Lightweight Anonymous Mutual Authentication Scheme in Mobile Networks. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 468-473	0.4
29	Nearest feature line classifier based on collaborative representation with nearest neighbour search algorithm. <i>Electronics Letters</i> , 2021 , 57, 20-22	1.1
28	A Parallel Strategy Applied to APSO. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 61-68	0.4
27	Robust Optimal Control Technology for Multimedia Signal Processing Applications. <i>Smart Innovation, Systems and Technologies</i> , 2018 , 82-88	0.5
26	Relay Node Selection Strategy for Wireless Sensor Network. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 228-234	0.4
25	Reversible Watermarking Based on Invariant Relation of Three Pixels. <i>Lecture Notes in Computer Science</i> , 2010 , 71-80	0.9
24	Directional Discriminant Analysis Based on Nearest Feature Line. <i>Lecture Notes in Computer Science</i> , 2012 , 119-128	0.9
23	Kernel Manifold Learning-Based Face Recognition 2014 , 135-157	
22	Kernel-Optimization-Based Face Recognition 2014 , 189-211	
21	Feature Line-Based Local Discriminant Analysis for Image Feature Extraction. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 471-478	0.4
20	QUATRE Algorithm for 5G Heterogeneous Network Downlink Power Allocation Problem. <i>Smart Innovation, Systems and Technologies</i> , 2022 , 265-274	0.5
19	Parameters Extraction of Solar Cell Using an Improved QUasi-Affine TRansformation Evolution (QUATRE) Algorithm. <i>Smart Innovation, Systems and Technologies</i> , 2022 , 253-263	0.5
18	Application of the Novel Parallel QUasi-Affine TRansformation Evolution in WSN Coverage Optimization. <i>Smart Innovation, Systems and Technologies</i> , 2022 , 241-251	0.5
17	A Cooperative Evolution Framework Based on Fish Migration Optimization. <i>Smart Innovation, Systems and Technologies</i> , 2022 , 85-94	0.5
16	Image Encryption with Logistic Chaotic Model Using C-QUATRE Algorithm. <i>Smart Innovation, Systems and Technologies</i> , 2022 , 285-293	0.5
15	Hybrid algorithm optimization for coverage problem in wireless sensor networks. <i>Telecommunication Systems</i> , 2022 , 80, 105	2.3
14	Multi-group discrete symbiotic organisms search applied in traveling salesman problems. <i>Soft Computing</i> , 2022 , 26, 4363-4373	3.5
13	Novel Visual Secret Sharing Scheme for the QR Code with Meaningful Shares. <i>Security and Communication Networks</i> , 2022 , 2022, 1-9	1.9

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| 11 | A fake threshold visual cryptography of QR code. <i>Multimedia Tools and Applications</i> , 1 | 2.5 |
| 10 | A Novel Feature Selection Algorithm Based on Aquila Optimizer for COVID-19 Classification. <i>IFIP Advances in Information and Communication Technology</i> , 2022 , 30-41 | 0.5 |
| 9 | A Hybrid Parallel Algorithm With Multiple Improved Strategies. <i>IFIP Advances in Information and Communication Technology</i> , 2022 , 228-242 | 0.5 |
| 8 | K-PPE: A Variant Phasmatodea Population Evolution Algorithm for Global Optimization. <i>Smart Innovation, Systems and Technologies</i> , 2022 , 171-180 | 0.5 |
| 7 | A Method for Extracting Solar Cell Parameters Based on Phasmatodea Population Evolution Algorithm. <i>Smart Innovation, Systems and Technologies</i> , 2022 , 225-235 | 0.5 |
| 6 | Five Phases Algorithm for Global Optimization. <i>Smart Innovation, Systems and Technologies</i> , 2022 , 81-97 | 0.5 |
| 5 | A New PPE Algorithm Based on Parallel Communication Strategy. <i>Smart Innovation, Systems and Technologies</i> , 2022 , 289-298 | 0.5 |
| 4 | The Clustering Algorithm Based on Improved Antlion Optimization Algorithm with K-Means Concepts. <i>Smart Innovation, Systems and Technologies</i> , 2022 , 125-135 | 0.5 |
| 3 | A Novel Fish Migration Optimization with Quasi-Affine Transformation Evolutionary for Numerical Optimization and Application. <i>Smart Innovation, Systems and Technologies</i> , 2022 , 67-77 | 0.5 |
| 2 | Binary Fish Migration Optimization for Feature Selection Using Time-Varying Transfer Function. <i>Smart Innovation, Systems and Technologies</i> , 2022 , 311-321 | 0.5 |
| 1 | An Improved Ants Colony Optimization for Mobile Robot Path Planning. <i>Smart Innovation, Systems and Technologies</i> , 2022 , 239-249 | 0.5 |