Hui-Ling Chen

List of Publications by Year in Descending Order

261 papers	13,173 citations	60 h-index	109 g-index
289 ext. papers	19,433 ext. citations	4.9 avg, IF	7.78 L-index

#	Paper	IF	Citations
261	Individual Disturbance and Attraction Repulsion Strategy Enhanced Seagull Optimization for Engineering Design. *Mathematics*, **2022**, 10, 276	2.3	1
260	Adaptive Barebones Salp Swarm Algorithm with Quasi-oppositional Learning for Medical Diagnosis Systems: A Comprehensive Analysis. *Journal of Bionic Engineering*, **2022**, 19, 240-256	2.7	2
259	Apple leaf disease recognition method with improved residual network. *Multimedia Tools and Applications*, **2022**, 81, 7759	2.5	6
258	Image segmentation of Leaf Spot Diseases on Maize using multi-stage Cauchy-enabled grey wolf algorithm. *Engineering Applications of Artificial Intelligence*, **2022**, 109, 104653	7.2	8
257	Adaptive Harris hawks optimization with persistent trigonometric differences for photovoltaic model parameter extraction. *Engineering Applications of Artificial Intelligence*, **2022**, 109, 104608	7.2	7
256	Multi-threshold image segmentation using a multi-strategy shuffled frog leaping algorithm. *Expert Systems With Applications*, **2022**, 194, 116511	7.8	5
255	INFO: An efficient optimization algorithm based on weighted mean of vectors. *Expert Systems With Applications*, **2022**, 195, 116516	7.8	36
254	The Gaussian Mutational Barebone Dragonfly Algorithm: From Design to Analysis. *Symmetry*, **2022**, 14, 331	2.7	0
253	Performance optimization of photovoltaic systems: Reassessment of political optimization with a quantum Nelder-mead functionality. *Solar Energy*, **2022**, 234, 39-63	6.8	0
252	An enhanced fast non-dominated solution sorting genetic algorithm for multi-objective problems. *Information Sciences*, **2022**, 585, 441-453	7.7	77
251	Differential evolution-assisted salp swarm algorithm with chaotic structure for real-world problems.. *Engineering With Computers*, **2022**, 1-35	4.5	4
250	Multi-Population Enhanced Slime Mould Algorithm and with Application to Postgraduate Employment Stability Prediction. *Electronics (Switzerland)*, **2022**, 11, 209	2.6	3
249	Performance optimization of support vector machine with oppositional grasshopper optimization for acute appendicitis diagnosis.. *Computers in Biology and Medicine*, **2022**, 143, 105206	7	11
248	Solar photovoltaic model parameter estimation based on orthogonally-adapted gradient-based optimization. *Optik*, **2022**, 252, 168513	2.5	3
247	Horizontal and vertical search artificial bee colony for image segmentation of COVID-19 X-ray images.. *Computers in Biology and Medicine*, **2022**, 142, 105181	7	10
246	Random reselection particle swarm optimization for optimal design of solar photovoltaic modules. *Energy*, **2022**, 239, 121865	7.9	22
245	Random Reconstructed Unpaired Image-to-Image Translation. *IEEE Transactions on Industrial Informatics*, **2022**, 1-1	11.9	0

244	Random Replacement Crisscross Butterfly Optimization Algorithm for Standard Evaluation of Overseas Chinese Associations. *Electronics (Switzerland)*, **2022**, 11, 1080	2.6	0
243	Medical image augmentation for lesion detection using a texture-constrained multichannel progressive GAN.. *Computers in Biology and Medicine*, **2022**, 145, 105444	7	7
242	Gaussian kernel probability-driven slime mould algorithm with new movement mechanism for multi-level image segmentation. *Measurement: Journal of the International Measurement Confederation*, **2022**, 192, 110884	4.6	1
241	Optimized deep residual network system for diagnosing tomato pests. *Computers and Electronics in Agriculture*, **2022**, 195, 106805	6.5	2
240	A 65nm/0.448□mW EEG processor with parallel architecture SVM and lifting wavelet transform for high-performance and low-power epilepsy detection.. *Computers in Biology and Medicine*, **2022**, 144, 105366	7	1
239	Chaotic simulated annealing multi-verse optimization enhanced kernel extreme learning machine for medical diagnosis.. *Computers in Biology and Medicine*, **2022**, 144, 105356	7	0
238	Adaptive soft erasure with edge self-attention for weakly supervised semantic segmentation: Thyroid ultrasound image case study.. *Computers in Biology and Medicine*, **2022**, 144, 105347	7	6
237	Generative Adversarial Networks in Medical Image augmentation: A review.. *Computers in Biology and Medicine*, **2022**, 144, 105382	7	10
236	Hierarchical Harris hawks optimization for epileptic seizure classification.. *Computers in Biology and Medicine*, **2022**, 145, 105397	7	3
235	Lupus nephritis diagnosis using enhanced moth flame algorithm with support vector machines.. *Computers in Biology and Medicine*, **2022**, 145, 105435	7	2
234	An evolutionary machine learning for pulmonary hypertension animal model from arterial blood gas analysis. *Computers in Biology and Medicine*, **2022**, 105529	7	1
233	An optimized machine learning framework for predicting intradialytic hypotension using indexes of chronic kidney disease-mineral and bone disorders.. *Computers in Biology and Medicine*, **2022**, 145, 105510	7	0
232	Tool for Predicting College Student Career Decisions: An Enhanced Support Vector Machine Framework. *Applied Sciences (Switzerland)*, **2022**, 12, 4776	2.6	2
231	An efficient rotational direction heap-based optimization with orthogonal structure for medical diagnosis.. *Computers in Biology and Medicine*, **2022**, 146, 105563	7	0
230	Intervention-Aware Epidemic Prediction by Enhanced Whale Optimization. *Lecture Notes in Computer Science*, **2022**, 457-468	0.9	
229	Detection of COVID-19 severity using blood gas analysis parameters and Harris hawks optimized extreme learning machine.. *Computers in Biology and Medicine*, **2021**, 142, 105166	7	9
228	An efficient multilevel thresholding image segmentation method based on the slime mould algorithm with bee foraging mechanism: A real case with lupus nephritis images.. *Computers in Biology and Medicine*, **2021**, 142, 105179	7	5
227	Multi-Threshold Image Segmentation of Maize Diseases Based on Elite Comprehensive Particle Swarm Optimization and Otsu.. *Frontiers in Plant Science*, **2021**, 12, 789911	6.2	2

226	Performance optimization of salp swarm algorithm for multi-threshold image segmentation: Comprehensive study of breast cancer microscopy. *Computers in Biology and Medicine*, **2021**, 139, 105013	7	10
225	An effective model for predicting serum albumin level in hemodialysis patients. *Computers in Biology and Medicine*, **2021**, 140, 105054	7	3
224	An evolutionary Nelder□Mead slime mould algorithm with random learning for efficient design of photovoltaic models. *Energy Reports*, **2021**, 7, 8784-8804	4.6	2
223	A Research on Traceability Technology of Agricultural Products Supply Chain Based on Blockchain and IPFS. *Security and Communication Networks*, **2021**, 2021, 1-12	1.9	1
222	Dispersed foraging slime mould algorithm: Continuous and binary variants for global optimization and wrapper-based feature selection. *Knowledge-Based Systems*, **2021**, 237, 107761	7.3	14
221	Evolving kernel extreme learning machine for medical diagnosis via a disperse foraging sine cosine algorithm.. *Computers in Biology and Medicine*, **2021**, 141, 105137	7	8
220	A Principal Component Analysis-Boosted Dynamic Gaussian Mixture Clustering Model for Ignition Factors of Brazil□ Rainforests. *IEEE Access*, **2021**, 9, 145748-145762	3.5	
219	. *IEEE Access*, **2021**, 9, 143824-143835	3.5	7
218	Gaussian Barebone Salp Swarm Algorithm with Stochastic Fractal Search for medical image segmentation: A COVID-19 case study. *Computers in Biology and Medicine*, **2021**, 139, 104941	7	11
217	The Colony Predation Algorithm. *Journal of Bionic Engineering*, **2021**, 18, 674-710	2.7	77
216	Secure and efficient data storage and sharing scheme for blockchain-based mobile-edge computing. *Transactions on Emerging Telecommunications Technologies*, **2021**, 32, e4315	1.9	22
215	Resource allocation and trust computing for blockchain-enabled edge computing system. *Computers and Security*, **2021**, 105, 102249	4.9	58
214	Memetic Harris Hawks Optimization: Developments and perspectives on project scheduling and QoS-aware web service composition. *Expert Systems With Applications*, **2021**, 171, 114529	7.8	18
213	Parameters extraction of three diode photovoltaic models using boosted LSHADE algorithm and Newton Raphson method. *Energy*, **2021**, 224, 120136	7.9	25
212	Generalized Oppositional Moth Flame Optimization with Crossover Strategy: An Approach for Medical Diagnosis. *Journal of Bionic Engineering*, **2021**, 18, 991-1010	2.7	3
211	MFeature: Towards High Performance Evolutionary Tools for Feature Selection. *Expert Systems With Applications*, **2021**, 115655	7.8	7
210	Stability of salp swarm algorithm with random replacement and double adaptive weighting. *Applied Mathematical Modelling*, **2021**, 95, 503-523	4.5	5
209	Multi-objective optimization and multi-criteria decision-making methods for optimal design of standalone photovoltaic system: A comprehensive review. *Renewable and Sustainable Energy Reviews*, **2021**, 135, 110202	16.2	66

208	Multi-core sine cosine optimization: Methods and inclusive analysis. *Expert Systems With Applications*, **2021**, 164, 113974	7.8	13
207	Dimension decided Harris hawks optimization with Gaussian mutation: Balance analysis and diversity patterns. *Knowledge-Based Systems*, **2021**, 215, 106425	7.3	49
206	Ensemble mutation-driven salp swarm algorithm with restart mechanism: Framework and fundamental analysis. *Expert Systems With Applications*, **2021**, 165, 113897	7.8	34
205	Adaptive levy-assisted salp swarm algorithm: Analysis and optimization case studies. *Mathematics and Computers in Simulation*, **2021**, 181, 380-409	3.3	11
204	Chaos-assisted multi-population salp swarm algorithms: Framework and case studies. *Expert Systems With Applications*, **2021**, 168, 114369	7.8	11
203	Evolutionary biogeography-based whale optimization methods with communication structure: Towards measuring the balance. *Knowledge-Based Systems*, **2021**, 212, 106642	7.3	113
202	Survival exploration strategies for Harris Hawks Optimizer. *Expert Systems With Applications*, **2021**, 168, 114243	7.8	23
201	Video Deblurring via Spatiotemporal Pyramid Network and Adversarial Gradient Prior. *Computer Vision and Image Understanding*, **2021**, 203, 103135	4.3	13
200	Orthogonal learning covariance matrix for defects of grey wolf optimizer: Insights, balance, diversity, and feature selection. *Knowledge-Based Systems*, **2021**, 213, 106684	7.3	133
199	Ant colony optimization with horizontal and vertical crossover search: Fundamental visions for multi-threshold image segmentation. *Expert Systems With Applications*, **2021**, 167, 114122	7.8	49
198	Chaotic random spare ant colony optimization for multi-threshold image segmentation of 2D Kapur entropy. *Knowledge-Based Systems*, **2021**, 216, 106510	7.3	111
197	Towards augmented kernel extreme learning models for bankruptcy prediction: Algorithmic behavior and comprehensive analysis. *Neurocomputing*, **2021**, 430, 185-212	5.4	102
196	Harmonized salp chain-built optimization. *Engineering With Computers*, **2021**, 37, 1049-1079	4.5	39
195	Early Recognition and Discrimination of COVID-19 Severity Using Slime Mould Support Vector Machine for Medical Decision-Making. *IEEE Access*, **2021**, 9, 121996-122015	3.5	7
194	An Effective Machine Learning Approach for Identifying Non-Severe and Severe Coronavirus Disease 2019 Patients in a Rural Chinese Population: The Wenzhou Retrospective Study. *IEEE Access*, **2021**, 9, 45486-45503	3.5	8
193	A Novel Deep-Learning Model for Automatic Detection and Classification of Breast Cancer Using the Transfer-Learning Technique. *IEEE Access*, **2021**, 9, 71194-71209	3.5	39
192	Research on a Covert Communication Model Realized by Using Smart Contracts in Blockchain Environment. *IEEE Systems Journal*, **2021**, 1-12	4.3	37
191	Spiral Motion Mode Embedded Grasshopper Optimization Algorithm: Design and Analysis. *IEEE Access*, **2021**, 9, 71104-71132	3.5	5

190	MOSMA: Multi-Objective Slime Mould Algorithm Based on Elitist Non-Dominated Sorting. *IEEE Access*, **2021**, 9, 3229-3248	3.5	42
189	Random learning gradient based optimization for efficient design of photovoltaic models. *Energy Conversion and Management*, **2021**, 230, 113751	10.6	19
188	A bioinformatic variant fruit fly optimizer for tackling optimization problems. *Knowledge-Based Systems*, **2021**, 213, 106704	7.3	15
187	Modified Whale Optimization Algorithm for Solar Cell and PV Module Parameter Identification. *Complexity*, **2021**, 2021, 1-23	1.6	12
186	Double adaptive weights for stabilization of moth flame optimizer: Balance analysis, engineering cases, and medical diagnosis. *Knowledge-Based Systems*, **2021**, 214, 106728	7.3	94
185	Improved Butterfly Optimizer-Configured Extreme Learning Machine for Fault Diagnosis. *Complexity*, **2021**, 2021, 1-17	1.6	7
184	Multilevel threshold image segmentation with diffusion association slime mould algorithm and Renyi's entropy for chronic obstructive pulmonary disease. *Computers in Biology and Medicine*, **2021** , 134, 104427	7	34
183	Multi-strategy Gaussian Harris hawks optimization for fatigue life of tapered roller bearings. *Engineering With Computers*, **2021**, 1-27	4.5	4
182	Evolving fuzzy k-nearest neighbors using an enhanced sine cosine algorithm: Case study of lupus nephritis. *Computers in Biology and Medicine*, **2021**, 135, 104582	7	10
181	Soil Erosion Prediction Based on Moth-Flame Optimizer-Evolved Kernel Extreme Learning Machine. *Electronics (Switzerland)*, **2021**, 10, 2115	2.6	2
180	Spiral Motion Enhanced Elite Whale Optimizer for Global Tasks. *Complexity*, **2021**, 2021, 1-33	1.6	0
179	Evolutionary warning system for COVID-19 severity: Colony predation algorithm enhanced extreme learning machine. *Computers in Biology and Medicine*, **2021**, 136, 104698	7	17
178	Towards Precision Fertilization: Multi-Strategy Grey Wolf Optimizer Based Model Evaluation and Yield Estimation. *Electronics (Switzerland)*, **2021**, 10, 2183	2.6	1
177	Performance optimization of differential evolution with slime mould algorithm for multilevel breast cancer image segmentation. *Computers in Biology and Medicine*, **2021**, 138, 104910	7	18
176	Laplacian Nelder-Mead spherical evolution for parameter estimation of photovoltaic models. *Energy Conversion and Management*, **2021**, 243, 114223	10.6	12
175	Boosted kernel search: Framework, analysis and case studies on the economic emission dispatch problem. *Knowledge-Based Systems*, **2021**, 107529	7.3	7
174	Evaluation of constraint in photovoltaic cells using ensemble multi-strategy shuffled frog leading algorithms. *Energy Conversion and Management*, **2021**, 244, 114484	10.6	14
173	Ant colony optimization with Cauchy and greedy Levy mutations for multilevel COVID 19 X-ray image segmentation. *Computers in Biology and Medicine*, **2021**, 136, 104609	7	17

172	Hunger games search: Visions, conception, implementation, deep analysis, perspectives, and towards performance shifts. *Expert Systems With Applications*, **2021**, 177, 114864	7.8	203
171	Dealing with multi-modality using synthesis of Moth-flame optimizer with sine cosine mechanisms. *Mathematics and Computers in Simulation*, **2021**, 188, 291-318	3.3	13
170	Delayed dynamic step shuffling frog-leaping algorithm for optimal design of photovoltaic models. *Energy Reports*, **2021**, 7, 228-246	4.6	15
169	Evolutionary shuffled frog leaping with memory pool for parameter optimization. *Energy Reports*, **2021**, 7, 584-606	4.6	18
168	Boosting slime mould algorithm for parameter identification of photovoltaic models. *Energy*, **2021**, 234, 121164	7.9	24
167	A text GAN framework for creative essay recommendation. *Knowledge-Based Systems*, **2021**, 232, 107501	7.3	4
166	Metaphor-free dynamic spherical evolution for parameter estimation of photovoltaic modules. *Energy Reports*, **2021**, 7, 5175-5202	4.6	12
165	RUN beyond the metaphor: An efficient optimization algorithm based on Runge Kutta method. *Expert Systems With Applications*, **2021**, 181, 115079	7.8	135
164	Gradient-based optimization with ranking mechanisms for parameter identification of photovoltaic systems. *Energy Reports*, **2021**, 7, 3979-3997	4.6	19
163	Boosting quantum rotation gate embedded slime mould algorithm. *Expert Systems With Applications*, **2021**, 181, 115082	7.8	20
162	Enhanced Harris hawks optimization with multi-strategy for global optimization tasks. *Expert Systems With Applications*, **2021**, 185, 115499	7.8	7
161	Elitist non-dominated sorting Harris hawks optimization: Framework and developments for multi-objective problems. *Expert Systems With Applications*, **2021**, 186, 115747	7.8	6
160	Enhancing Secrecy Performance of Cooperative NOMA-based IoT Networks via Multi-Antenna Aided Artificial Noise. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	0
159	Chaotic Arc Adaptive Grasshopper Optimization. *IEEE Access*, **2021**, 9, 17672-17706	3.5	4
158	Diagnosing Coronavirus Disease 2019 (COVID-19): Efficient Harris Hawks-Inspired Fuzzy K-Nearest Neighbor Prediction Methods. *IEEE Access*, **2021**, 9, 17787-17802	3.5	21
157	Predicting Coronary Atherosclerotic Heart Disease: An Extreme Learning Machine with Improved Salp Swarm Algorithm. *Symmetry*, **2020**, 12, 1651	2.7	5
156	An Adaptive Chaotic Sine Cosine Algorithm for Constrained and Unconstrained Optimization. *Complexity*, **2020**, 2020, 1-36	1.6	13
155	Boosted binary Harris hawks optimizer and feature selection. *Engineering With Computers*, **2020**, 37, 3741	4.5	97

154	A Meta-Heuristic-Based Approach for Qos-Aware Service Composition. *IEEE Access*, **2020**, 8, 69579-69592	3.5	14
153	Boosted hunting-based fruit fly optimization and advances in real-world problems. *Expert Systems With Applications*, **2020**, 159, 113502	7.8	13
152	Orthogonally adapted Harris hawks optimization for parameter estimation of photovoltaic models. *Energy*, **2020**, 203, 117804	7.9	97
151	DUPLICATE: Advanced Orthogonal Moth Flame Optimization with Broyden Fletcher Goldfarb Shanno Algorithm: Framework and Real-world Problems. *Expert Systems With Applications: X*, **2020**, 100032	3.6	1
150	Quantum-like mutation-induced dragonfly-inspired optimization approach. *Mathematics and Computers in Simulation*, **2020**, 178, 259-289	3.3	16
149	Levy-based antlion-inspired optimizers with orthogonal learning scheme. *Engineering With Computers*, **2020**, 1	4.5	30
148	Advanced orthogonal moth flame optimization with Broyden Fletcher Goldfarb Shanno algorithm: Framework and real-world problems. *Expert Systems With Applications*, **2020**, 159, 113617	7.8	25
147	Prediction Optimization of Cervical Hyperextension Injury: Kernel Extreme Learning Machines With Orthogonal Learning Butterfly Optimizer and Broyden- Fletcher-Goldfarb-Shanno Algorithms. *IEEE Access*, **2020**, 8, 119911-119930	3.5	6
146	Boosted mutation-based Harris hawks optimizer for parameters identification of single-diode solar cell models. *Energy Conversion and Management*, **2020**, 209, 112660	10.6	106
145	Parameters identification of photovoltaic cell models using enhanced exploratory salp chains-based approach. *Energy*, **2020**, 198, 117333	7.9	74
144	Predicting Cervical Hyperextension Injury: A Covariance Guided Sine Cosine Support Vector Machine. *IEEE Access*, **2020**, 8, 46895-46908	3.5	35
143	Rationalized Sine Cosine Optimization With Efficient Searching Patterns. *IEEE Access*, **2020**, 8, 61471-61490	3.5	18
142	A multi-strategy enhanced salp swarm algorithm for global optimization. *Engineering With Computers*, **2020**, 1	4.5	31
141	Orthogonally-designed adapted grasshopper optimization: A comprehensive analysis. *Expert Systems With Applications*, **2020**, 150, 113282	7.8	44
140	Predicting Green Consumption Behaviors of Students Using Efficient Firefly Grey Wolf-Assisted K-Nearest Neighbor Classifiers. *IEEE Access*, **2020**, 8, 35546-35562	3.5	41
139	Rationalized fruit fly optimization with sine cosine algorithm: A comprehensive analysis. *Expert Systems With Applications*, **2020**, 157, 113486	7.8	39
138	Orthogonal Nelder-Mead moth flame method for parameters identification of photovoltaic modules. *Energy Conversion and Management*, **2020**, 211, 112764	10.6	89
137	Slime mould algorithm: A new method for stochastic optimization. *Future Generation Computer Systems*, **2020**, 111, 300-323	7.5	705

136	Evaluation of Sino Foreign Cooperative Education Project Using Orthogonal Sine Cosine Optimized Kernel Extreme Learning Machine. *IEEE Access*, **2020**, 8, 61107-61123	3.5	52
135	Predicting Entrepreneurial Intention of Students: An Extreme Learning Machine With Gaussian Barebone Harris Hawks Optimizer. *IEEE Access*, **2020**, 8, 76841-76855	3.5	64
134	The Research on Covert Communication Model Based on Blockchain: A Case Study of Ethereum Whisper Protocol. *Communications in Computer and Information Science*, **2020**, 215-230	0.3	1
133	A Covert Communication Method Using Special Bitcoin Addresses Generated by Vanitygen. *Computers, Materials and Continua*, **2020**, 65, 597-616	3.9	32
132	A quantum-behaved simulated annealing algorithm-based moth-flame optimization method. *Applied Mathematical Modelling*, **2020**, 87, 1-19	4.5	31
131	Orthogonal learning harmonizing mutation-based fruit fly-inspired optimizers. *Applied Mathematical Modelling*, **2020**, 86, 368-383	4.5	11
130	Exploratory differential ant lion-based optimization. *Expert Systems With Applications*, **2020**, 159, 113548	7.8	14
129	An enhanced Bacterial Foraging Optimization and its application for training kernel extreme learning machine. *Applied Soft Computing Journal*, **2020**, 86, 105884	7.5	155
128	A multi-strategy enhanced sine cosine algorithm for global optimization and constrained practical engineering problems. *Applied Mathematics and Computation*, **2020**, 369, 124872	2.7	62
127	Chaotic multi-swarm whale optimizer boosted support vector machine for medical diagnosis. *Applied Soft Computing Journal*, **2020**, 88, 105946	7.5	266
126	Advanced orthogonal learning-driven multi-swarm sine cosine optimization: Framework and case studies. *Expert Systems With Applications*, **2020**, 144, 113113	7.8	57
125	Application of Machine Learning to Stomatology: A Comprehensive Review. *IEEE Access*, **2020**, 8, 184360-184374	3.5	84
124	An Improved Grasshopper Optimizer for Global Tasks. *Complexity*, **2020**, 2020, 1-23	1.6	3
123	Horizontal and vertical crossover of Harris hawk optimizer with Nelder-Mead simplex for parameter estimation of photovoltaic models. *Energy Conversion and Management*, **2020**, 223, 113211	10.6	54
122	Crow Search Algorithm: Theory, Recent Advances, and Applications. *IEEE Access*, **2020**, 8, 173548-173565	3.5	41
121	Dynamic Gaussian bare-bones fruit fly optimizers with abandonment mechanism: method and analysis. *Engineering With Computers*, **2020**, 1	4.5	50
120	Evaluation of constraint in photovoltaic models by exploiting an enhanced ant lion optimizer. *Solar Energy*, **2020**, 211, 503-521	6.8	25
119	Multi-population following behavior-driven fruit fly optimization: A Markov chain convergence proof and comprehensive analysis. *Knowledge-Based Systems*, **2020**, 210, 106437	7.3	36

118	Chaotic oppositional sine-cosine method for solving global optimization problems. *Engineering With Computers*, **2020**, 1	4.5	34
117	An Enhanced Comprehensive Learning Particle Swarm Optimizer with the Elite-Based Dominance Scheme. *Complexity*, **2020**, 2020, 1-24	1.6	7
116	Drift-free tracking via the construction of an effective dictionary. *International Journal of Advanced Robotic Systems*, **2020**, 17, 172988142092965	1.4	
115	Predicting Di-2-Ethylhexyl Phthalate Toxicity: Hybrid Integrated Harris Hawks Optimization With Support Vector Machines. *IEEE Access*, **2020**, 8, 161188-161202	3.5	8
114	An enhanced associative learning-based exploratory whale optimizer for global optimization. *Neural Computing and Applications*, **2020**, 32, 5185-5211	4.8	50
113	Gaussian mutational chaotic fruit fly-built optimization and feature selection. *Expert Systems With Applications*, **2020**, 141, 112976	7.8	123
112	Chaos-enhanced synchronized bat optimizer. *Applied Mathematical Modelling*, **2020**, 77, 1201-1215	4.5	64
111	Efficient multi-population outpost fruit fly-driven optimizers: Framework and advances in support vector machines. *Expert Systems With Applications*, **2020**, 142, 112999	7.8	64
110	An efficient double adaptive random spare reinforced whale optimization algorithm. *Expert Systems With Applications*, **2020**, 154, 113018	7.8	64
109	Parameters identification of photovoltaic cells and modules using diversification-enriched Harris hawks optimization with chaotic drifts. *Journal of Cleaner Production*, **2020**, 244, 118778	10.3	142
108	Multi-population differential evolution-assisted Harris hawks optimization: Framework and case studies. *Future Generation Computer Systems*, **2020**, 111, 175-198	7.5	177
107	. *IEEE Access*, **2019**, 7, 138461-138472	3.5	9
106	Predict the Entrepreneurial Intention of Fresh Graduate Students Based on an Adaptive Support Vector Machine Framework. *Mathematical Problems in Engineering*, **2019**, 2019, 1-16	1.1	19
105	Efficient boosted grey wolf optimizers for global search and kernel extreme learning machine training. *Applied Soft Computing Journal*, **2019**, 81, 105521	7.5	65
104	An opposition-based sine cosine approach with local search for parameter estimation of photovoltaic models. *Energy Conversion and Management*, **2019**, 195, 927-942	10.6	152
103	A new fruit fly optimization algorithm enhanced support vector machine for diagnosis of breast cancer based on high-level features. *BMC Bioinformatics*, **2019**, 20, 290	3.6	53
102	Using Biochemical Indexes to Prognose Paraquat-Poisoned Patients: An Extreme Learning Machine-Based approach. *IEEE Access*, **2019**, 7, 42148-42155	3.5	6
101	Chaos-Induced and Mutation-Driven Schemes Boosting Salp Chains-Inspired Optimizers. *IEEE Access* , **2019**, 7, 31243-31261	3.5	62

100	Multi-strategy boosted mutative whale-inspired optimization approaches. *Applied Mathematical Modelling*, **2019**, 73, 109-123	4.5	98
99	Enhanced Moth-flame optimizer with mutation strategy for global optimization. *Information Sciences*, **2019**, 492, 181-203	7.7	279
98	An efficient chaotic mutative moth-flame-inspired optimizer for global optimization tasks. *Expert Systems With Applications*, **2019**, 129, 135-155	7.8	142
97	A New Kernel Extreme Learning Machine Framework for Somatization Disorder Diagnosis. *IEEE Access*, **2019**, 7, 45512-45525	3.5	17
96	Evolving an optimal kernel extreme learning machine by using an enhanced grey wolf optimization strategy. *Expert Systems With Applications*, **2019**, 138, 112814	7.8	90
95	Predicting Intentions of Students for Master Programs Using a Chaos-Induced Sine Cosine-Based Fuzzy K-Nearest Neighbor Classifier. *IEEE Access*, **2019**, 7, 67235-67248	3.5	63
94	Metabolomics Analysis in Acute Paraquat Poisoning Patients Based on UPLC-Q-TOF-MS and Machine Learning Approach. *Chemical Research in Toxicology*, **2019**, 32, 629-637	4	9
93	Harris hawks optimization: Algorithm and applications. *Future Generation Computer Systems*, **2019**, 97, 849-872	7.5	1523
92	A balanced whale optimization algorithm for constrained engineering design problems. *Applied Mathematical Modelling*, **2019**, 71, 45-59	4.5	156
91	A New Evolutionary Machine Learning Approach for Identifying Pyrene Induced Hepatotoxicity and Renal Dysfunction in Rats. *IEEE Access*, **2019**, 7, 15320-15329	3.5	8
90	Chaos enhanced grey wolf optimization wrapped ELM for diagnosis of paraquat-poisoned patients. *Computational Biology and Chemistry*, **2019**, 78, 481-490	3.6	238
89	An Effective Machine Learning Approach for Identifying the Glyphosate Poisoning Status in Rats Using Blood Routine Test. *IEEE Access*, **2018**, 6, 15653-15662	3.5	9
88	Automatic Analysis of Microaneurysms Turnover to Diagnose the Progression of Diabetic Retinopathy. *IEEE Access*, **2018**, 6, 9632-9642	3.5	16
87	Network modelling and variational Bayesian inference for structure analysis of signed networks. *Applied Mathematical Modelling*, **2018**, 61, 237-254	4.5	4
86	Developing a new intelligent system for the diagnosis of tuberculous pleural effusion. *Computer Methods and Programs in Biomedicine*, **2018**, 153, 211-225	6.9	137
85	An Intelligent Parkinson's Disease Diagnostic System Based on a Chaotic Bacterial Foraging Optimization Enhanced Fuzzy KNN Approach. *Computational and Mathematical Methods in Medicine* , **2018**, 2018, 2396952	2.8	56
84	An improved grasshopper optimization algorithm with application to financial stress prediction. *Applied Mathematical Modelling*, **2018**, 64, 654-668	4.5	165
83	An Improved Bacterial-Foraging Optimization-Based Machine Learning Framework for Predicting the Severity of Somatization Disorder. *Algorithms*, **2018**, 11, 17	1.8	12

82	Chaos Enhanced Bacterial Foraging Optimization for Global Optimization. *IEEE Access*, **2018**, 6, 64905-64919	3.5	41
81	A New Effective Machine Learning Framework for Sepsis Diagnosis. *IEEE Access*, **2018**, 6, 48300-48310	3.5	38
80	An Effective Computational Model for Bankruptcy Prediction Using Kernel Extreme Learning Machine Approach. *Computational Economics*, **2017**, 49, 325-341	1.4	55
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