Ali Asghar Heidari

List of Publications by Citations

168 papers	**9,260** citations	**49** h-index	**93** g-index
180 ext. papers	**14,500** ext. citations	**5.8** avg, IF	**7.61** L-index

#	Paper	IF	Citations
168	Harris hawks optimization: Algorithm and applications. *Future Generation Computer Systems*, **2019**, 97, 849-872	7.5	1523
167	Slime mould algorithm: A new method for stochastic optimization. *Future Generation Computer Systems*, **2020**, 111, 300-323	7.5	705
166	An efficient binary Salp Swarm Algorithm with crossover scheme for feature selection problems. *Knowledge-Based Systems*, **2018**, 154, 43-67	7.3	339
165	Evolutionary Population Dynamics and Grasshopper Optimization approaches for feature selection problems. *Knowledge-Based Systems*, **2018**, 145, 25-45	7.3	243
164	Binary dragonfly optimization for feature selection using time-varying transfer functions. *Knowledge-Based Systems*, **2018**, 161, 185-204	7.3	232
163	An efficient modified grey wolf optimizer with Lévy flight for optimization tasks. *Applied Soft Computing Journal*, **2017**, 60, 115-134	7.5	232
162	An efficient salp swarm-inspired algorithm for parameters identification of photovoltaic cell models. *Energy Conversion and Management*, **2019**, 179, 362-372	10.6	212
161	Hunger games search: Visions, conception, implementation, deep analysis, perspectives, and towards performance shifts. *Expert Systems With Applications*, **2021**, 177, 114864	7.8	203
160	Multi-population differential evolution-assisted Harris hawks optimization: Framework and case studies. *Future Generation Computer Systems*, **2020**, 111, 175-198	7.5	177
159	A balanced whale optimization algorithm for constrained engineering design problems. *Applied Mathematical Modelling*, **2019**, 71, 45-59	4.5	156
158	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
157	An intelligent system for spam detection and identification of the most relevant features based on evolutionary Random Weight Networks. *Information Fusion*, **2019**, 48, 67-83	16.7	144
156	Asynchronous accelerating multi-leader salp chains for feature selection. *Applied Soft Computing Journal*, **2018**, 71, 964-979	7.5	143
155	An efficient chaotic mutative moth-flame-inspired optimizer for global optimization tasks. *Expert Systems With Applications*, **2019**, 129, 135-155	7.8	142
154	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
153	RUN beyond the metaphor: An efficient optimization algorithm based on Runge Kutta method. *Expert Systems With Applications*, **2021**, 181, 115079	7.8	135
152	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

151	An efficient hybrid multilayer perceptron neural network with grasshopper optimization. *Soft Computing*, **2019**, 23, 7941-7958	3.5	129
150	Gaussian mutational chaotic fruit fly-built optimization and feature selection. *Expert Systems With Applications*, **2020**, 141, 112976	7.8	123
149	An evolutionary gravitational search-based feature selection. *Information Sciences*, **2019**, 497, 219-239	7.7	118
148	Evolutionary biogeography-based whale optimization methods with communication structure: Towards measuring the balance. *Knowledge-Based Systems*, **2021**, 212, 106642	7.3	113
147	Gaussian bare-bones water cycle algorithm for optimal reactive power dispatch in electrical power systems. *Applied Soft Computing Journal*, **2017**, 57, 657-671	7.5	111
146	Chaotic random spare ant colony optimization for multi-threshold image segmentation of 2D Kapur entropy. *Knowledge-Based Systems*, **2021**, 216, 106510	7.3	111
145	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
144	Towards augmented kernel extreme learning models for bankruptcy prediction: Algorithmic behavior and comprehensive analysis. *Neurocomputing*, **2021**, 430, 185-212	5.4	102
143	Multi-strategy boosted mutative whale-inspired optimization approaches. *Applied Mathematical Modelling*, **2019**, 73, 109-123	4.5	98
142	An efficient chaotic water cycle algorithm for optimization tasks. *Neural Computing and Applications*, **2017**, 28, 57-85	4.8	97
141	Orthogonally adapted Harris hawks optimization for parameter estimation of photovoltaic models. *Energy*, **2020**, 203, 117804	7.9	97
140	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
139	Orthogonal Nelder-Mead moth flame method for parameters identification of photovoltaic modules. *Energy Conversion and Management*, **2020**, 211, 112764	10.6	89
138	Parameters identification of photovoltaic cell models using enhanced exploratory salp chains-based approach. *Energy*, **2020**, 198, 117333	7.9	74
137	An efficient Harris hawks-inspired image segmentation method. *Expert Systems With Applications*, **2020**, 155, 113428	7.8	74
136	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
135	Efficient boosted grey wolf optimizers for global search and kernel extreme learning machine training. *Applied Soft Computing Journal*, **2019**, 81, 105521	7.5	65
134	Predicting Entrepreneurial Intention of Students: An Extreme Learning Machine With Gaussian Barebone Harris Hawks Optimizer. *IEEE Access*, **2020**, 8, 76841-76855	3.5	64

133	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
132	An efficient double adaptive random spare reinforced whale optimization algorithm. *Expert Systems With Applications*, **2020**, 154, 113018	7.8	64
131	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
130	Chaos-Induced and Mutation-Driven Schemes Boosting Salp Chains-Inspired Optimizers. *IEEE Access*, **2019**, 7, 31243-31261	3.5	62
129	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
128	Advanced orthogonal learning-driven multi-swarm sine cosine optimization: Framework and case studies. *Expert Systems With Applications*, **2020**, 144, 113113	7.8	57
127	Feature selection using binary grey wolf optimizer with elite-based crossover for Arabic text classification. *Neural Computing and Applications*, **2020**, 32, 12201-12220	4.8	56
126	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
125	Efficient Hybrid Nature-Inspired Binary Optimizers for Feature Selection. *Cognitive Computation*, **2020**, 12, 150-175	4.4	54
124	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
123	Time-varying hierarchical chains of salps with random weight networks for feature selection. *Expert Systems With Applications*, **2020**, 140, 112898	7.8	51
122	An enhanced associative learning-based exploratory whale optimizer for global optimization. *Neural Computing and Applications*, **2020**, 32, 5185-5211	4.8	50
121	Dimension decided Harris hawks optimization with Gaussian mutation: Balance analysis and diversity patterns. *Knowledge-Based Systems*, **2021**, 215, 106425	7.3	49
120	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
119	A competitive chain-based Harris Hawks Optimizer for global optimization and multi-level image thresholding problems. *Applied Soft Computing Journal*, **2020**, 95, 106347	7.5	47
118	Clustering analysis using a novel locality-informed grey wolf-inspired clustering approach. *Knowledge and Information Systems*, **2020**, 62, 507-539	2.4	45
117	Orthogonally-designed adapted grasshopper optimization: A comprehensive analysis. *Expert Systems With Applications*, **2020**, 150, 113282	7.8	44
116	Opposition-based learning Harris hawks optimization with advanced transition rules: principles and analysis. *Expert Systems With Applications*, **2020**, 158, 113510	7.8	43

115	Ant Lion Optimizer: Theory, Literature Review, and Application in Multi-layer Perceptron Neural Networks. *Studies in Computational Intelligence*, **2020**, 23-46	0.8	43
114	MOSMA: Multi-Objective Slime Mould Algorithm Based on Elitist Non-Dominated Sorting. *IEEE Access*, **2021**, 9, 3229-3248	3.5	42
113	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
112	A dynamic locality multi-objective salp swarm algorithm for feature selection. *Computers and Industrial Engineering*, **2020**, 147, 106628	6.4	40
111	Rationalized fruit fly optimization with sine cosine algorithm: A comprehensive analysis. *Expert Systems With Applications*, **2020**, 157, 113486	7.8	39
110	Harmonized salp chain-built optimization. *Engineering With Computers*, **2021**, 37, 1049-1079	4.5	39
109	Multi-verse Optimizer: Theory, Literature Review, and Application in Data Clustering. *Studies in Computational Intelligence*, **2020**, 123-141	0.8	37
108	INFO: An efficient optimization algorithm based on weighted mean of vectors. *Expert Systems With Applications*, **2022**, 195, 116516	7.8	36
107	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
106	Salp Swarm Algorithm: Theory, Literature Review, and Application in Extreme Learning Machines. *Studies in Computational Intelligence*, **2020**, 185-199	0.8	36
105	Predicting Cervical Hyperextension Injury: A Covariance Guided Sine Cosine Support Vector Machine. *IEEE Access*, **2020**, 8, 46895-46908	3.5	35
104	Harris hawks optimization: a comprehensive review of recent variants and applications. *Neural Computing and Applications*, **2021**, 33, 8939-8980	4.8	35
103	Chaotic oppositional sine cosine method for solving global optimization problems. *Engineering With Computers*, **2020**, 1	4.5	34
102	Ensemble mutation-driven salp swarm algorithm with restart mechanism: Framework and fundamental analysis. *Expert Systems With Applications*, **2021**, 165, 113897	7.8	34
101	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
100	A quantum-behaved simulated annealing algorithm-based moth-flame optimization method. *Applied Mathematical Modelling*, **2020**, 87, 1-19	4.5	31
99	Binary Harris Hawks Optimizer for High-Dimensional, Low Sample Size Feature Selection. *Algorithms for Intelligent Systems*, **2020**, 251-272	0.5	30
98	Dragonfly Algorithm: Theory, Literature Review, and Application in Feature Selection. *Studies in Computational Intelligence*, **2020**, 47-67	0.8	30

97	Augmented whale feature selection for IoT attacks: Structure, analysis and applications. *Future Generation Computer Systems*, **2020**, 112, 18-40	7.5	26
96	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
95	Evaluation of constraint in photovoltaic models by exploiting an enhanced ant lion optimizer. *Solar Energy*, **2020**, 211, 503-521	6.8	25
94	Parameters extraction of three diode photovoltaic models using boosted LSHADE algorithm and Newton Raphson method. *Energy*, **2021**, 224, 120136	7.9	25
93	Boosting slime mould algorithm for parameter identification of photovoltaic models. *Energy*, **2021**, 234, 121164	7.9	24
92	Survival exploration strategies for Harris Hawks Optimizer. *Expert Systems With Applications*, **2021**, 168, 114243	7.8	23
91	Random reselection particle swarm optimization for optimal design of solar photovoltaic modules. *Energy*, **2022**, 239, 121865	7.9	22
90	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
89	Boosting quantum rotation gate embedded slime mould algorithm. *Expert Systems With Applications*, **2021**, 181, 115082	7.8	20
88	. *IEEE Internet of Things Journal*, **2021**, 1-1	10.7	20
87	Random learning gradient based optimization for efficient design of photovoltaic models. *Energy Conversion and Management*, **2021**, 230, 113751	10.6	19
86	Gradient-based optimization with ranking mechanisms for parameter identification of photovoltaic systems. *Energy Reports*, **2021**, 7, 3979-3997	4.6	19
85	Rationalized Sine Cosine Optimization With Efficient Searching Patterns. *IEEE Access*, **2020**, 8, 61471-61490	3.9	18
84	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
83	Grey Wolf Optimizer: Theory, Literature Review, and Application in Computational Fluid Dynamics Problems. *Studies in Computational Intelligence*, **2020**, 87-105	0.8	18
82	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
81	Evolutionary shuffled frog leaping with memory pool for parameter optimization. *Energy Reports*, **2021**, 7, 584-606	4.6	18
80	Evolutionary warning system for COVID-19 severity: Colony predation algorithm enhanced extreme learning machine. *Computers in Biology and Medicine*, **2021**, 136, 104698	7	17

79	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
78	Quantum-like mutation-induced dragonfly-inspired optimization approach. *Mathematics and Computers in Simulation*, **2020**, 178, 259-289	3.3	16
77	Delayed dynamic step shuffling frog-leaping algorithm for optimal design of photovoltaic models. *Energy Reports*, **2021**, 7, 228-246	4.6	15
76	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
75	Exploratory differential ant lion-based optimization. *Expert Systems With Applications*, **2020**, 159, 113548	7.8	14
74	Evaluation of constraint in photovoltaic cells using ensemble multi-strategy shuffled frog leading algorithms. *Energy Conversion and Management*, **2021**, 244, 114484	10.6	14
73	Boosted hunting-based fruit fly optimization and advances in real-world problems. *Expert Systems With Applications*, **2020**, 159, 113502	7.8	13
72	Artificial Intelligence of Things-assisted two-stream neural network for anomaly detection in surveillance Big Video Data. *Future Generation Computer Systems*, **2021**, 129, 286-286	7.5	13
71	Multi-core sine cosine optimization: Methods and inclusive analysis. *Expert Systems With Applications*, **2021**, 164, 113974	7.8	13
70	Laplacian Nelder-Mead spherical evolution for parameter estimation of photovoltaic models. *Energy Conversion and Management*, **2021**, 243, 114223	10.6	12
69	Metaphor-free dynamic spherical evolution for parameter estimation of photovoltaic modules. *Energy Reports*, **2021**, 7, 5175-5202	4.6	12
68	Performance optimization of support vector machine with oppositional grasshopper optimization for acute appendicitis diagnosis.. *Computers in Biology and Medicine*, **2022**, 143, 105206	7	11
67	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
66	Orthogonal learning harmonizing mutation-based fruit fly-inspired optimizers. *Applied Mathematical Modelling*, **2020**, 86, 368-383	4.5	11
65	Chaos-assisted multi-population salp swarm algorithms: Framework and case studies. *Expert Systems With Applications*, **2021**, 168, 114369	7.8	11
64	Opposition-based moth swarm algorithm. *Expert Systems With Applications*, **2021**, 184, 115481	7.8	11
63	Performance optimization of salp swarm algorithm for multi-threshold image segmentation: Comprehensive study of breast cancer microscopy. *Computers in Biology and Medicine*, **2021**, 139, 105015	7	10
62	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

43	Boosted kernel search: Framework, analysis and case studies on the economic emission dispatch problem. *Knowledge-Based Systems*, **2021**, 107529	7.3	7
42	Medical image augmentation for lesion detection using a texture-constrained multichannel progressive GAN.. *Computers in Biology and Medicine*, **2022**, 145, 105444	7	7
41	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
40	Apple leaf disease recognition method with improved residual network. *Multimedia Tools and Applications*, **2022**, 81, 7759	2.5	6
39	Autonomous Robot Navigation Using Moth-Flame-Based Neuroevolution. *Algorithms for Intelligent Systems*, **2020**, 67-83	0.5	6
38	Elitist non-dominated sorting Harris hawks optimization: Framework and developments for multi-objective problems. *Expert Systems With Applications*, **2021**, 186, 115747	7.8	6
37	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
36	Multi-threshold image segmentation using a multi-strategy shuffled frog leaping algorithm. *Expert Systems With Applications*, **2022**, 194, 116511	7.8	5
35	Spiral Motion Mode Embedded Grasshopper Optimization Algorithm: Design and Analysis. *IEEE Access*, **2021**, 9, 71104-71132	3.5	5
34	Differential evolution-assisted salp swarm algorithm with chaotic structure for real-world problems.. *Engineering With Computers*, **2022**, 1-35	4.5	4
33	Link Prediction Using Evolutionary Neural Network Models. *Algorithms for Intelligent Systems*, **2020**, 85-101	0.5	4
32	A Robust Multi-Objective Feature Selection Model Based on Local Neighborhood Multi-Verse Optimization. *IEEE Access*, **2021**, 9, 100009-100028	3.5	4
31	Multi-strategy Gaussian Harris hawks optimization for fatigue life of tapered roller bearings. *Engineering With Computers*, **2021**, 1-27	4.5	4
30	A text GAN framework for creative essay recommendation. *Knowledge-Based Systems*, **2021**, 232, 107501	7.3	4
29	Chaotic Arc Adaptive Grasshopper Optimization. *IEEE Access*, **2021**, 9, 17672-17706	3.5	4
28	Adaptive slime mould algorithm for optimal design of photovoltaic models. *Energy Science and Engineering*,	3.4	4
27	An effective model for predicting serum albumin level in hemodialysis patients. *Computers in Biology and Medicine*, **2021**, 140, 105054	7	3
26	Chaotic diffusion-limited aggregation enhanced grey wolf optimizer: Insights, analysis, binarization, and feature selection. *International Journal of Intelligent Systems*,	8.4	3

25	Solar photovoltaic model parameter estimation based on orthogonally-adapted gradient-based optimization. *Optik*, **2022**, 252, 168513	2.5	3
24	Evolutionary and Swarm-Based Feature Selection for Imbalanced Data Classification. *Algorithms for Intelligent Systems*, **2020**, 231-250	0.5	3
23	AutoRWN: automatic construction and training of random weight networks using competitive swarm of agents. *Neural Computing and Applications*, **2021**, 33, 5507-5524	4.8	3
22	Elite dominance scheme ingrained adaptive salp swarm algorithm: a comprehensive study. *Engineering With Computers*,1	4.5	3
21	Hierarchical Harris hawks optimization for epileptic seizure classification.. *Computers in Biology and Medicine*, **2022**, 145, 105397	7	3
20	Multi-strategy ensemble binary hunger games search for feature selection. *Knowledge-Based Systems*, **2022**, 248, 108787	7.3	3
19	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
18	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
17	An enhanced Cauchy mutation grasshopper optimization with trigonometric substitution: engineering design and feature selection. *Engineering With Computers*,1	4.5	2
16	Optimized deep residual network system for diagnosing tomato pests. *Computers and Electronics in Agriculture*, **2022**, 195, 106805	6.5	2
15	Lupus nephritis diagnosis using enhanced moth flame algorithm with support vector machines.. *Computers in Biology and Medicine*, **2022**, 145, 105435	7	2
14	Multilevel threshold image segmentation for COVID-19 chest radiography: A framework using horizontal and vertical multiverse optimization. *Computers in Biology and Medicine*, **2022**, 105618	7	2
13	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
12	Individual Disturbance and Attraction Repulsion Strategy Enhanced Seagull Optimization for Engineering Design. *Mathematics*, **2022**, 10, 276	2.3	1
11	Efficient Moth-Flame-Based Neuroevolution Models. *Algorithms for Intelligent Systems*, **2020**, 51-66	0.5	1
10	Estimating daily global solar radiation in hot semi-arid climate using an efficient hybrid intelligent system. *European Physical Journal Plus*, **2022**, 137, 1	3.1	1
9	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
8	An evolutionary machine learning for pulmonary hypertension animal model from arterial blood gas analysis. *Computers in Biology and Medicine*, **2022**, 105529	7	1

List of Publications

7	Performance optimization of photovoltaic systems: Reassessment of political optimization with a quantum Nelder-mead functionality. *Solar Energy*, **2022**, 234, 39-63	6.8	0
6	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
5	Chaotic simulated annealing multi-verse optimization enhanced kernel extreme learning machine for medical diagnosis.. *Computers in Biology and Medicine*, **2022**, 144, 105356	7	0
4	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
3	An efficient rotational direction heap-based optimization with orthogonal structure for medical diagnosis.. *Computers in Biology and Medicine*, **2022**, 146, 105563	7	0
2	A Principal Component Analysis-Boosted Dynamic Gaussian Mixture Clustering Model for Ignition Factors of Brazil Rainforests. *IEEE Access*, **2021**, 9, 145748-145762	3.5	
1	A Novel and Efficient Algorithm for three-dimensional Coverage and Deployment of Aerial Robots in Vector Spaces. *Journal of Geospatial Information Technology*, **2018**, 6, 15-43	0.1	