

Hossein Nezamabadi-pour

List of Publications by Year in descending order

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Version: 2024-02-01

178
papers

11,500
citations

76196

40
h-index

30010

103
g-index

179
all docs

179
docs citations

179
times ranked

7093
citing authors

#	ARTICLE	IF	CITATIONS
1	GSA: A Gravitational Search Algorithm. <i>Information Sciences</i> , 2009, 179, 2232-2248.	4.0	5,379
2	BGSA: binary gravitational search algorithm. <i>Natural Computing</i> , 2010, 9, 727-745.	1.8	623
3	Filter modeling using gravitational search algorithm. <i>Engineering Applications of Artificial Intelligence</i> , 2011, 24, 117-122.	4.3	318
4	An advanced ACO algorithm for feature subset selection. <i>Neurocomputing</i> , 2015, 147, 271-279.	3.5	257
5	An Improved Multi-Objective Harmony Search for Optimal Placement of DGs in Distribution Systems. <i>IEEE Transactions on Smart Grid</i> , 2013, 4, 557-567.	6.2	244
6	A combined approach for clustering based on K-means and gravitational search algorithms. <i>Swarm and Evolutionary Computation</i> , 2012, 6, 47-52.	4.5	181
7	Image denoising in the wavelet domain using a new adaptive thresholding function. <i>Neurocomputing</i> , 2009, 72, 1012-1025.	3.5	166
8	A comprehensive survey on gravitational search algorithm. <i>Swarm and Evolutionary Computation</i> , 2018, 41, 141-158.	4.5	165
9	Disruption: A new operator in gravitational search algorithm. <i>Scientia Iranica</i> , 2011, 18, 539-548.	0.3	153
10	MLACO: A multi-label feature selection algorithm based on ant colony optimization. <i>Knowledge-Based Systems</i> , 2020, 192, 105285.	4.0	152
11	Identification of a suitable ANN architecture in predicting strain in tie section of concrete deep beams. <i>Structural Engineering and Mechanics</i> , 2013, 46, 853-868.	1.0	138
12	Edge detection using ant algorithms. <i>Soft Computing</i> , 2006, 10, 623-628.	2.1	131
13	An evolutionary fuzzy modelling approach and comparison of different methods for shear strength prediction of high-strength concrete beams without stirrups. <i>Smart Structures and Systems</i> , 2014, 14, 785-809.	1.9	125
14	A gravitational search algorithm for multimodal optimization. <i>Swarm and Evolutionary Computation</i> , 2014, 14, 1-14.	4.5	118
15	A simultaneous feature adaptation and feature selection method for content-based image retrieval systems. <i>Knowledge-Based Systems</i> , 2013, 39, 85-94.	4.0	105
16	Facing the classification of binary problems with a GSA-SVM hybrid system. <i>Mathematical and Computer Modelling</i> , 2013, 57, 270-278.	2.0	104
17	A prototype classifier based on gravitational search algorithm. <i>Applied Soft Computing Journal</i> , 2012, 12, 819-825.	4.1	97
18	Placement of SVCs and Selection of Stabilizing Signals in Power Systems. <i>IEEE Transactions on Power Systems</i> , 2007, 22, 1061-1071.	4.6	95

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19	MFS-MCDM: Multi-label feature selection using multi-criteria decision making. Knowledge-Based Systems, 2020, 206, 106365.	4.0	83
20	A quantum inspired gravitational search algorithm for numerical function optimization. Information Sciences, 2014, 267, 83-100.	4.0	81
21	A quantum-inspired gravitational search algorithm for binary encoded optimization problems. Engineering Applications of Artificial Intelligence, 2015, 40, 62-75.	4.3	81
22	MGFS: A multi-label graph-based feature selection algorithm via PageRank centrality. Expert Systems With Applications, 2020, 142, 113024.	4.4	81
23	A discrete gravitational search algorithm for solving combinatorial optimization problems. Information Sciences, 2014, 258, 94-107.	4.0	78
24	CGSA: A Grouping Gravitational Search Algorithm for data clustering. Engineering Applications of Artificial Intelligence, 2014, 36, 114-121.	4.3	77
25	Multilabel feature selection: A comprehensive review and guiding experiments. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2018, 8, e1240.	4.6	76
26	A modified particle swarm optimization for economic dispatch with non-smooth cost functions. Engineering Applications of Artificial Intelligence, 2010, 23, 1121-1126.	4.3	73
27	Application of the adaptive neuro-fuzzy inference system for prediction of a rock engineering classification system. Computers and Geotechnics, 2011, 38, 783-790.	2.3	69
28	Feature subset selection using improved binary gravitational search algorithm. Journal of Intelligent and Fuzzy Systems, 2014, 26, 1211-1221.	0.8	69
29	A novel parallel image encryption with chaotic windows based on logistic map. Computers and Electrical Engineering, 2017, 62, 384-400.	3.0	65
30	Application of binary quantum-inspired gravitational search algorithm in feature subset selection. Applied Intelligence, 2017, 47, 304-318.	3.3	57
31	A label-specific multi-label feature selection algorithm based on the Pareto dominance concept. Pattern Recognition, 2019, 88, 654-667.	5.1	57
32	Ant-TD: Ant colony optimization plus temporal difference reinforcement learning for multi-label feature selection. Swarm and Evolutionary Computation, 2021, 64, 100892.	4.5	54
33	Image retrieval using histograms of uni-color and bi-color blocks and directional changes in intensity gradient. Pattern Recognition Letters, 2004, 25, 1547-1557.	2.6	52
34	Estimation of electricity demand of Iran using two heuristic algorithms. Energy Conversion and Management, 2010, 51, 493-497.	4.4	51
35	An efficient Pareto-based feature selection algorithm for multi-label classification. Information Sciences, 2021, 581, 428-447.	4.0	49
36	Image indexing and retrieval in JPEG compressed domain based on vector quantization. Mathematical and Computer Modelling, 2013, 57, 1005-1017.	2.0	48

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37	Ensemble of feature selection algorithms: a multi-criteria decision-making approach. International Journal of Machine Learning and Cybernetics, 2022, 13, 49-69.	2.3	48
38	Channel assignment in multi-radio wireless mesh networks using an improved gravitational search algorithm. Journal of Network and Computer Applications, 2014, 38, 163-171.	5.8	47
39	Application of artificial neural networks (ANNs) and linear regressions (LR) to predict the deflection of concrete deep beams. Computers and Concrete, 2013, 11, 237-252.	0.7	45
40	Application of Gravitational Search Algorithm on Data Clustering. Lecture Notes in Computer Science, 2011, , 337-346.	1.0	44
41	Black Hole: A New Operator for Gravitational Search Algorithm. International Journal of Computational Intelligence Systems, 2014, 7, 809.	1.6	41
42	VMFS: A VIKOR-based multi-target feature selection. Expert Systems With Applications, 2021, 182, 115224.	4.4	40
43	A new feature selection algorithm based on binary ant colony optimization. , 2013, , .		38
44	A bipartite matching-based feature selection for multi-label learning. International Journal of Machine Learning and Cybernetics, 2021, 12, 459-475.	2.3	38
45	CDBH: A clustering and density-based hybrid approach for imbalanced data classification. Expert Systems With Applications, 2021, 164, 114035.	4.4	38
46	GCPSO in cooperation with graph theory to distribution network reconfiguration for energy saving. Energy Conversion and Management, 2010, 51, 418-427.	4.4	36
47	Artificial neural network for permeability damage prediction due to sulfate scaling. Journal of Petroleum Science and Engineering, 2011, 78, 575-581.	2.1	36
48	A stochastic gravitational approach to feature based color image segmentation. Engineering Applications of Artificial Intelligence, 2013, 26, 1322-1332.	4.3	36
49	Determining the fragmented rock size distribution using textural feature extraction of images. Powder Technology, 2019, 342, 630-641.	2.1	36
50	Pareto-Optimal Design of Damping Controllers Using Modified Artificial Immune Algorithm. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2011, 41, 240-250.	3.3	32
51	CCFS: A cooperating coevolution technique for large scale feature selection on microarray datasets. Computational Biology and Chemistry, 2018, 73, 171-178.	1.1	32
52	A niche GSA method with nearest neighbor scheme for multimodal optimization. Swarm and Evolutionary Computation, 2017, 35, 78-92.	4.5	31
53	Evaluation of general-purpose lifters for the date harvest industry based on a fuzzy inference system. Computers and Electronics in Agriculture, 2008, 60, 60-66.	3.7	29
54	Concept learning by fuzzy k-NN classification and relevance feedback for efficient image retrieval. Expert Systems With Applications, 2009, 36, 5948-5954.	4.4	29

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55	Using gravitational search algorithm in prototype generation for nearest neighbor classification. <i>Neurocomputing</i> , 2015, 157, 256-263.	3.5	29
56	A pareto-based ensemble of feature selection algorithms. <i>Expert Systems With Applications</i> , 2021, 180, 115130.	4.4	28
57	Ensemble of Filter-Based Rankers to Guide an Epsilon-Greedy Swarm Optimizer for High-Dimensional Feature Subset Selection. <i>Information (Switzerland)</i> , 2017, 8, 152.	1.7	27
58	Fuzzy logic to classify date palm trees based on some physical properties related to precision agriculture. <i>Precision Agriculture</i> , 2010, 11, 258-273.	3.1	26
59	A Novel Three-Stage Filter-Wrapper Framework for miRNA Subset Selection in Cancer Classification. <i>Informatics</i> , 2018, 5, 13.	2.4	26
60	Multi-objective VAr Planning with SVC for a Large Power System Using PSO and GA. , 2006, , .		24
61	Irrigation water quality evaluation using adaptive network-based fuzzy inference system. <i>Paddy and Water Environment</i> , 2010, 8, 259-266.	1.0	24
62	A Quantum Behaved Gravitational Search Algorithm. <i>Intelligent Information Management</i> , 2012, 04, 390-395.	0.3	24
63	A data clustering approach based on universal gravity rule. <i>Engineering Applications of Artificial Intelligence</i> , 2015, 45, 415-428.	4.3	23
64	Application of the ANFIS model in deflection prediction of concrete deep beam. <i>Structural Engineering and Mechanics</i> , 2013, 45, 323-336.	1.0	23
65	Predicting Log Data by Using Artificial Neural Networks to Approximate Petrophysical Parameters of Formation. <i>Petroleum Science and Technology</i> , 2013, 31, 1238-1248.	0.7	22
66	Multi-objective Optimization of Power System Performance with TCSC Using the MOPSO Algorithm. <i>IEEE Power Engineering Society General Meeting</i> , 2007, , .	0.0	20
67	Improving the precision of CBIR systems by feature selection using binary gravitational search algorithm. , 2012, , .		20
68	Balanced fuzzy particle swarm optimization. <i>Applied Mathematical Modelling</i> , 2012, 36, 2169-2177.	2.2	20
69	Hybrid of Analytical and Heuristic Techniques for FACTS Devices in Transmission Systems. <i>IEEE Power Engineering Society General Meeting</i> , 2007, , .	0.0	18
70	An improved quantum behaved gravitational search algorithm. , 2012, , .		18
71	A prediction based reversible image watermarking in Hadamard domain. <i>Multimedia Tools and Applications</i> , 2017, 76, 8517-8545.	2.6	18
72	A hybrid feature selection approach based on ensemble method for high-dimensional data. , 2017, , .		18

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73	BICA: a binary imperialist competitive algorithm and its application in CBIR systems. <i>International Journal of Machine Learning and Cybernetics</i> , 2018, 9, 2043-2057.	2.3	18
74	A Multiobjective Optimization Model in Automotive Supply Chain Networks. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-10.	0.6	17
75	Genome-wide analysis of CpG islands in some livestock genomes and their relationship with genomic features. <i>Czech Journal of Animal Science</i> , 2016, 61, 487-495.	0.5	17
76	An enhanced two-phase SVM algorithm for cooperative spectrum sensing in cognitive radio networks. <i>International Journal of Communication Systems</i> , 2019, 32, e3856.	1.6	15
77	Coordinated control of low-frequency oscillations using real immune algorithm with population management. <i>Energy Conversion and Management</i> , 2010, 51, 271-276.	4.4	14
78	Identifying qualified audit opinions by artificial neural networks. <i>African Journal of Business Management</i> , 2012, 6, 11077-11087.	0.4	14
79	A multiple feature construction method based on gravitational search algorithm. <i>Expert Systems With Applications</i> , 2019, 127, 199-209.	4.4	14
80	Long term learning in image retrieval systems using case based reasoning. <i>Engineering Applications of Artificial Intelligence</i> , 2014, 35, 26-37.	4.3	13
81	A multi-expert based framework for automatic image annotation. <i>Pattern Recognition</i> , 2017, 61, 169-184.	5.1	13
82	A hierarchical algorithm for vehicle license plate localization. <i>Multimedia Tools and Applications</i> , 2018, 77, 2771-2790.	2.6	13
83	GSP: an automatic programming technique with gravitational search algorithm. <i>Applied Intelligence</i> , 2019, 49, 1502-1516.	3.3	13
84	A hybrid algorithm based on gravitational search algorithm for unimodal optimization. , 2012, , .		12
85	A Fast Adaptive Salt and Pepper Noise Reduction Method in Images. <i>Circuits, Systems, and Signal Processing</i> , 2013, 32, 1839-1857.	1.2	12
86	Prediction of the Best EOR Method by Artificial Intelligence. <i>Petroleum Science and Technology</i> , 2013, 31, 1647-1654.	0.7	12
87	QQIGSA: A quadrivalent quantum-inspired GSA and its application in optimal adaptive design of wireless sensor networks. <i>Journal of Network and Computer Applications</i> , 2017, 78, 231-241.	5.8	12
88	GA-based feature subset selection in a spam/non-spam detection system. , 2012, , .		11
89	A PSO-based weighting method to enhance machine learning techniques for cooperative spectrum sensing in CR networks. , 2016, , .		11
90	Filter-based feature selection for microarray data using improved binary gravitational search algorithm. , 2018, , .		11

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91	Application of Artificial Intelligence Techniques for the Determination of Groundwater Level Using Spatio-temporal Parameters. ACS Omega, 2022, 7, 10751-10764.	1.6	11
92	Design of Power System Stabilizer Using Immune Algorithm. , 2007, , .		10
93	SNLM: A switching non-local means filter for removal of high density salt and pepper noise. Scientia Iranica, 2013, 20, 760-760.	0.3	10
94	Design optimization of wireless sensor networks in precision agriculture using improved BQIGSA. Sustainable Computing: Informatics and Systems, 2017, 16, 38-47.	1.6	10
95	Feature Selection in High-Dimensional Data. Advances in Intelligent Systems and Computing, 2020, , 85-128.	0.5	10
96	Unit commitment scheduling using binary differential evolution algorithm. Opsearch, 2009, 46, 108-122.	1.1	9
97	Software performance optimization based on constrained GSA. , 2012, , .		9
98	A novel hybrid algorithm of GSA with Kepler algorithm for numerical optimization. Journal of King Saud University - Computer and Information Sciences, 2015, 27, 288-296.	2.7	9
99	Proposing new method to improve gravitational fixed nearest neighbor algorithm for imbalanced data classification. , 2017, , .		9
100	An effective method of multi-label feature selection employing evolutionary algorithms. , 2017, , .		9
101	Unit commitment by an improved binary quantum GSA. Applied Soft Computing Journal, 2017, 60, 180-189.	4.1	9
102	Applications of the ANFIS and LR in the prediction of strain in tie section of concrete deep beams. Computers and Concrete, 2013, 12, 243-259.	0.7	9
103	Implementation of GCP SO for Multi-objective VAR Planning with SVC and Its Comparison with GA and PSO. , 2007, , .		8
104	Modeling of Nitrate Leaching from a Potato Field using HYDRUS-2D. Communications in Soil Science and Plant Analysis, 2013, 44, 2917-2931.	0.6	8
105	Nitrate leaching from a potato field using adaptive network-based fuzzy inference system. Journal of Hydroinformatics, 2013, 15, 503-515.	1.1	8
106	A novel content based image retrieval approach by fusion of short term learning methods. , 2013, , .		8
107	Dual-Tree Complex Wavelet Coefficient Magnitude Modeling Using Scale Mixtures of Rayleigh Distribution for Image Denoising. Circuits, Systems, and Signal Processing, 2020, 39, 2968-2993.	1.2	8
108	A new reversible data hiding in transform domain. Multimedia Tools and Applications, 2021, 80, 8931-8955.	2.6	8

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109	Fuzzy Lattice Reasoning for Pattern Classification Using a New Positive Valuation Function. <i>Advances in Fuzzy Systems</i> , 2012, 2012, 1-8.	0.6	7
110	A PSO-Based Feature Subset Selection for Application of Spam /Non-spam Detection. <i>Communications in Computer and Information Science</i> , 2013, , 183-193.	0.4	7
111	A hybrid feature selection method for high-dimensional data. , 2014, , .		7
112	A new gravitational image edge detection method using edge explorer agents. <i>Natural Computing</i> , 2014, 13, 65-78.	1.8	7
113	An effective codebook initialization technique for LBG algorithm using subtractive clustering. , 2014, , .		7
114	A short-term learning approach based on similarity refinement in content-based image retrieval. <i>Multimedia Tools and Applications</i> , 2014, 72, 2025-2039.	2.6	7
115	Using Well Logs to Predict a Multimin Porosity Model by Optimized Spread RBF Networks. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2015, 37, 2443-2450.	1.2	7
116	A Clustering Based Archive Multi Objective Gravitational Search Algorithm. <i>Fundamenta Informaticae</i> , 2015, 138, 387-409.	0.3	7
117	Information fusion between short term learning and long term learning in content based image retrieval systems. <i>Multimedia Tools and Applications</i> , 2015, 74, 3799-3822.	2.6	7
118	Chaos-Based Image Encryption Using Sum Operation Modulo 4 and 256. <i>IETE Journal of Research</i> , 2016, 62, 179-188.	1.8	7
119	HTSS: a hyper-heuristic training set selection method for imbalanced data sets. <i>Iran Journal of Computer Science</i> , 2018, 1, 109-128.	1.8	7
120	Design of a supplementary controller for SVC using hybrid real immune algorithm and local search. , 2008, , .		6
121	Voltage stability improvement by multi-objective placement of SVC using modified artificial immune network algorithm. , 2009, , .		6
122	A gradient descent based similarity refinement method for CBIR systems. , 2012, , .		6
123	A hybrid method for dimensionality reduction in microarray data based on advanced binary ant colony algorithm. , 2016, , .		6
124	A memetic approach for training set selection in imbalanced data sets. <i>International Journal of Machine Learning and Cybernetics</i> , 2019, 10, 3043-3070.	2.3	6
125	A multi-robot task allocation algorithm based on universal gravity rules. <i>International Journal of Intelligent Robotics and Applications</i> , 2021, 5, 49-64.	1.6	6
126	Parallel Quadri-valent Quantum-Inspired Gravitational Search Algorithm on a heterogeneous platform for wireless sensor networks. <i>Computers and Electrical Engineering</i> , 2021, 92, 107085.	3.0	6

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127	Image denoising in undecimated dual-tree complex wavelet domain using multivariate t-distribution. Multimedia Tools and Applications, 2020, 79, 22447-22471.	2.6	6
128	Violence detection in videos using interest frame extraction and 3D convolutional neural network. Multimedia Tools and Applications, 2022, 81, 20945-20961.	2.6	6
129	A Modified Particle Swarm Optimization for Economic Dispatch with Nonsmooth Cost Functions. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 267-272.	0.4	5
130	Automatic extraction of eye field from a gray intensity image using intensity filtering and hybrid projection function. , 2011, , .		5
131	A long term learning method in CBIR systems by defining semantic templates. , 2012, , .		5
132	Feature Subset Selection Using Binary Gravitational Search Algorithm for Intrusion Detection System. Lecture Notes in Computer Science, 2013, , 377-386.	1.0	5
133	Document clustering using gravitational ensemble clustering. , 2015, , .		5
134	NPC: Neighbors' progressive competition algorithm for classification of imbalanced data sets. , 2017, , .		5
135	FCBF3Rules: A feature selection method for multi-label datasets. , 2018, , .		5
136	Representation learning in a deep network for license plate recognition. Multimedia Tools and Applications, 2020, 79, 13267-13289.	2.6	5
137	A score-based preprocessing technique for class imbalance problems. Pattern Analysis and Applications, 2022, 25, 913-931.	3.1	5
138	Multi-objective VAr Planning with SVC Using Immune Algorithm and Guaranteed Convergence Particle Swarm Optimization. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 5599-5604.	0.4	4
139	A GSA-SVM HYBRID SYSTEM FOR CLASSIFICATION OF BINARY PROBLEMS. , 2011, , .		4
140	Substantial Improvement of the Bottom-hole Circulating Pressure Prediction by the Combination of GA and ANFIS. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2011, 33, 2272-2280.	1.2	4
141	Reservoir Characterization by a Combination of Fuzzy Logic and Genetic Algorithm. Petroleum Science and Technology, 2014, 32, 840-847.	0.7	4
142	A Gravitational Search Algorithm Approach for Optimizing Closed-Loop Logistics Network. , 2013, , 616-638.		4
143	Design of a Supplementary Controller for SVC Using Immune Algorithm. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 4583-4587.	0.4	3
144	A Genetic Algorithm Approach to Determination of Optimum Diameter of Gas Transmission Pipes. , 2010, , .		3

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145	Perspective Rectification and Skew Correction in Camera-Based Farsi Document Images. , 2011, , .		3
146	Development of a Neural Fuzzy System for Advanced Prediction of Bottomhole Circulating Pressure in Underbalanced Drilling Operations. Petroleum Science and Technology, 2011, 29, 2282-2292.	0.7	3
147	Rule inducing by fuzzy lattice reasoning classifier based on metric distances (FLRC-MD). Applied Soft Computing Journal, 2014, 24, 603-611.	4.1	3
148	The pair-wise LSB matching steganography with a discrete quantum behaved Gravitational Search Algorithm. Journal of Intelligent and Fuzzy Systems, 2016, 30, 1547-1556.	0.8	3
149	A gravitational density-based mass sharing method for imbalanced data classification. SN Applied Sciences, 2020, 2, 1.	1.5	3
150	Feature Subset Selection Using Binary Quantum Particle Swarm Optimization for Spam Detection System. Advanced Science Letters, 2014, 20, 188-192.	0.2	3
151	The Innovative Combination of Time Series Analysis Methods for the Forecasting of Groundwater Fluctuations. Water Resources, 2022, 49, 283-291.	0.3	3
152	Design of supplementary controller for HVDC using Memetic Algorithm with population management. , 2008, , .		2
153	Two tiers wireless mesh networks: Optimal configuration. , 2011, , .		2
154	A more secure steganography method based on pair-wise LSB matching via a quantum gravitational search algorithm. , 2012, , .		2
155	Texture-orientation based vanishing point detection using genetic algorithm. , 2012, , .		2
156	Joint detection, channel estimation, and interference cancellation in downlink MC-CDMA communication systems using complex-valued multilayer neural networks. Annales Des Telecommunications/Annals of Telecommunications, 2013, 68, 467-476.	1.6	2
157	A lattice computing algorithm for granular reasoning based on trapezoidal fuzzy numbers. International Journal of Granular Computing, Rough Sets and Intelligent Systems, 2013, 3, 160.	0.3	2
158	Comparison of intelligent systems, artificial neural networks and neural fuzzy model for prediction of gas hydrate formation rate. International Journal of Science and Engineering, 2014, 7, .	0.1	2
159	A prototype optimization method for nearest neighbor classification by gravitational search algorithm. , 2014, , .		2
160	Gravitational ensemble clustering. , 2014, , .		2
161	A Multi-layer Perceptron-based Approach for Prediction of the Crude Oil Pyrolysis Process. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2015, 37, 1464-1472.	1.2	2
162	Accurate Estimation of Petrophysical Indexes by RBF, ANFIS, and MLP Networks. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2015, 37, 1874-1882.	1.2	2

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163	Metaheuristic Search Algorithms in Solving the n-Similarity Problem. Fundamenta Informaticae, 2017, 152, 145-166.	0.3	2
164	Adaptive enhancement and binarization techniques for degraded plate images. Multimedia Tools and Applications, 2018, 77, 16579-16595.	2.6	2
165	Gravitational Search Algorithm. Advances in Computational Intelligence and Robotics Book Series, 2016, , 700-750.	0.4	2
166	OPTIMAL ALLOCATION OF STATIC VAR COMPENSATORS USING MODAL ANALYSIS, SIMULATED ANNEALING AND TABU SEARCH. , 2007, , 377-382.		2
167	Design of Supplementary Controller for HVDC Using Memetic Algorithm. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 4566-4570.	0.4	1
168	A novel approach to secure image based steganography by using eigenvalue and eigenvector principles. , 2013, , .		1
169	A reversible image watermarking in Hadamard domain. , 2013, , .		1
170	An improvement to gravitational fixed radius nearest neighbor for imbalanced problem. , 2017, , .		1
171	An under-sampling technique for imbalanced data classification based on DBSCAN algorithm. , 2020, , .		1
172	A New Binary Particle Swarm Optimization for Feature Subset Selection with Support Vector Machine. Advances in Intelligent Systems and Computing, 2014, , 47-57.	0.5	1
173	GSAED a new approach for digital image edge detection. , 2012, , .		0
174	An improvement of image secret sharing and hiding with authentication. , 2012, , .		0
175	Integration of short term learning methods for image retrieval by reciprocal rank fusion. , 2013, , .		0
176	Extracting Farsi text from a video in the wavelet domain. , 2013, , .		0
177	A Gravitational Search Algorithm Approach for Optimizing Closed-Loop Logistics Network. , 0, , 1768-1789.		0
178	Automatic objectsâ€™ depth estimation based on integral imaging. Multimedia Tools and Applications, 0, , .	2.6	0