

Mohamed Abdel-Basset

List of Publications by Year in Descending Order

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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.

82
papers

3,487
citations

38
h-index

56
g-index

88
ext. papers

4,591
ext. citations

4.6
avg, IF

6.76
L-index

#	Paper	IF	Citations
82	Hybrid Computational Intelligence Algorithm for Autonomous Handling of COVID-19 Pandemic Emergency in Smart Cities. <i>Sustainable Cities and Society</i> , 2022 , 76, 103430	10.1	2
81	Smart Supervision of Cardiomyopathy Based on Fuzzy Harris Hawks Optimizer and Wearable Sensing Data Optimization: A New Model. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 4944-4958	10.2	14
80	. <i>IEEE Access</i> , 2021 , 9, 139792-139822	3.5	3
79	A hybrid Harris Hawks optimization algorithm with simulated annealing for feature selection. <i>Artificial Intelligence Review</i> , 2021 , 54, 593-637	9.7	38
78	A model for evaluating green credit rating and its impact on sustainability performance. <i>Journal of Cleaner Production</i> , 2021 , 280, 124299	10.3	24
77	An intelligent framework using disruptive technologies for COVID-19 analysis. <i>Technological Forecasting and Social Change</i> , 2021 , 163, 120431	9.5	75
76	A novel equilibrium optimization algorithm for multi-thresholding image segmentation problems. <i>Neural Computing and Applications</i> , 2020 , 33, 10685	4.8	32
75	A Bipolar Neutrosophic Multi Criteria Decision Making Framework for Professional Selection. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 1202	2.6	13
74	Uncertainty assessments of linear time-cost tradeoffs using neutrosophic set. <i>Computers and Industrial Engineering</i> , 2020 , 141, 106286	6.4	13
73	The fusion of Internet of Intelligent Things (IoIT) in remote diagnosis of obstructive Sleep Apnea: A survey and a new model. <i>Information Fusion</i> , 2020 , 61, 84-100	16.7	9
72	A Novel Single Valued Neutrosophic Hesitant Fuzzy Time Series Model: Applications in Indonesian and Argentinian Stock Index Forecasting. <i>IEEE Access</i> , 2020 , 8, 60126-60141	3.5	4
71	HSMA_WOA: A hybrid novel Slime mould algorithm with whale optimization algorithm for tackling the image segmentation problem of chest X-ray images. <i>Applied Soft Computing Journal</i> , 2020 , 95, 106642	7.5	93
70	Evaluation framework for smart disaster response systems in uncertainty environment. <i>Mechanical Systems and Signal Processing</i> , 2020 , 145, 106941	7.8	36
69	Resource levelling problem in construction projects under neutrosophic environment. <i>Journal of Supercomputing</i> , 2020 , 76, 964-988	2.5	9
68	A novel plithogenic TOPSIS- CRITIC model for sustainable supply chain risk management. <i>Journal of Cleaner Production</i> , 2020 , 247, 119586	10.3	76
67	Grid quorum-based spatial coverage for IoT smart agriculture monitoring using enhanced multi-verse optimizer. <i>Neural Computing and Applications</i> , 2020 , 32, 607-624	4.8	13
66	A modified hybrid whale optimization algorithm for the scheduling problem in multimedia data objects. <i>Concurrency Computation Practice and Experience</i> , 2020 , 32, e5137	1.4	4

65	A novel group decision making model based on neutrosophic sets for heart disease diagnosis. <i>Multimedia Tools and Applications</i> , 2020 , 79, 9977-10002	2.5	31
64	2-Levels of clustering strategy to detect and locate copy-move forgery in digital images. <i>Multimedia Tools and Applications</i> , 2020 , 79, 5419-5437	2.5	25
63	Utilising neutrosophic theory to solve transition difficulties of IoT-based enterprises. <i>Enterprise Information Systems</i> , 2020 , 14, 1304-1324	3.5	34
62	A new fusion of grey wolf optimizer algorithm with a two-phase mutation for feature selection. <i>Expert Systems With Applications</i> , 2020 , 139, 112824	7.8	117
61	. <i>IEEE Intelligent Systems</i> , 2020 , 35, 6-17	4.2	18
60	On the Stabilizability for a Class of Linear Time-Invariant Systems Under Uncertainty. <i>Circuits, Systems, and Signal Processing</i> , 2020 , 39, 919-960	2.2	14
59	Internet of Spatial Things: A New Reference Model With Insight Analysis. <i>IEEE Access</i> , 2019 , 7, 19653-19669	3.9	16
58	An approach of TOPSIS technique for developing supplier selection with group decision making under type-2 neutrosophic number. <i>Applied Soft Computing Journal</i> , 2019 , 77, 438-452	7.5	83
57	Novel probabilistic resource migration algorithm for cross-cloud live migration of virtual machines in public cloud. <i>Journal of Supercomputing</i> , 2019 , 75, 5848-5865	2.5	12
56	A Novel and Comprehensive Trust Estimation Clustering Based Approach for Large Scale Wireless Sensor Networks. <i>IEEE Access</i> , 2019 , 7, 58221-58240	3.5	54
55	PTZ-Surveillance coverage based on artificial intelligence for smart cities. <i>International Journal of Information Management</i> , 2019 , 49, 520-532	16.4	21
54	IoT and Its Impact on the Electronics Market: A Powerful Decision Support System for Helping Customers in Choosing the Best Product. <i>Symmetry</i> , 2019 , 11, 611	2.7	8
53	A neutrosophic theory based security approach for fog and mobile-edge computing. <i>Computer Networks</i> , 2019 , 157, 122-132	5.4	20
52	A binary multi-verse optimizer for 0-1 multidimensional knapsack problems with application in interactive multimedia systems. <i>Computers and Industrial Engineering</i> , 2019 , 132, 187-206	6.4	23
51	A Novel Neutrosophic Data Analytic Hierarchy Process for Multi-Criteria Decision Making Method: A Case Study in Kuala Lumpur Stock Exchange. <i>IEEE Access</i> , 2019 , 7, 53687-53697	3.5	20
50	. <i>IEEE Access</i> , 2019 , 7, 61840-61855	3.5	51
49	A New Algorithm for High Power Node Multicasting in Wireless Sensor Networks. <i>IEEE Access</i> , 2019 , 7, 38584-38592	3.5	12
48	Linguistic Approaches to Interval Complex Neutrosophic Sets in Decision Making. <i>IEEE Access</i> , 2019 , 7, 38902-38917	3.5	25

47	. <i>IEEE Access</i> , 2019 , 7, 59559-59574	3.5	54
46	An Integrated Neutrosophic-TOPSIS Approach and Its Application to Personnel Selection: A New Trend in Brain Processing and Analysis. <i>IEEE Access</i> , 2019 , 7, 29734-29744	3.5	59
45	Assessment of Code Smell for Predicting Class Change Proneness Using Machine Learning. <i>IEEE Access</i> , 2019 , 7, 37414-37425	3.5	27
44	A Refined Approach for Forecasting Based on Neutrosophic Time Series. <i>Symmetry</i> , 2019 , 11, 457	2.7	20
43	Towards a Reuse Strategic Decision Pattern Framework [From Theories to Practices. <i>Information Systems Frontiers</i> , 2019 , 21, 27-44	4	15
42	A Hybrid Artificial Intelligence and Internet of Things Model for Generation of Renewable Resource of Energy. <i>IEEE Access</i> , 2019 , 7, 111181-111191	3.5	70
41	Grid quorum-based spatial coverage in mobile wireless sensor networks using nature-inspired firefly algorithm. <i>Expert Systems</i> , 2019 , 36, e12421	2.1	3
40	A Hybrid Plithogenic Decision-Making Approach with Quality Function Deployment for Selecting Supply Chain Sustainability Metrics. <i>Symmetry</i> , 2019 , 11, 903	2.7	22
39	Heuristic Search Based Localization in Mobile Computational Grid. <i>IEEE Access</i> , 2019 , 7, 78652-78664	3.5	7
38	A novel model for evaluation Hospital medical care systems based on plithogenic sets. <i>Artificial Intelligence in Medicine</i> , 2019 , 100, 101710	7.4	29
37	Link-Disjoint Multipath Routing for Network Traffic Overload Handling in Mobile Ad-hoc Networks. <i>IEEE Access</i> , 2019 , 7, 143312-143323	3.5	8
36	Cosine similarity measures of bipolar neutrosophic set for diagnosis of bipolar disorder diseases. <i>Artificial Intelligence in Medicine</i> , 2019 , 101, 101735	7.4	62
35	Decision Making Methods for Evaluation of Efficiency of General Insurance Companies in Malaysia: A Comparative Study. <i>IEEE Access</i> , 2019 , 7, 160637-160649	3.5	1
34	A modified nature inspired meta-heuristic whale optimization algorithm for solving 0/1 knapsack problem. <i>International Journal of Machine Learning and Cybernetics</i> , 2019 , 10, 495-514	3.8	38
33	Sarcasm Detection Using Soft Attention-Based Bidirectional Long Short-Term Memory Model With Convolution Network. <i>IEEE Access</i> , 2019 , 7, 23319-23328	3.5	50
32	A hybrid neutrosophic multiple criteria group decision making approach for project selection. <i>Cognitive Systems Research</i> , 2019 , 57, 216-227	4.8	59
31	A Group Decision Making Framework Based on Neutrosophic TOPSIS Approach for Smart Medical Device Selection. <i>Journal of Medical Systems</i> , 2019 , 43, 38	5.1	52
30	Flower pollination algorithm: a comprehensive review. <i>Artificial Intelligence Review</i> , 2019 , 52, 2533-2557	9.7	87

29	An improved Levy based whale optimization algorithm for bandwidth-efficient virtual machine placement in cloud computing environment. <i>Cluster Computing</i> , 2019 , 22, 8319-8334	2.1	44
28	A novel method for solving the fully neutrosophic linear programming problems. <i>Neural Computing and Applications</i> , 2019 , 31, 1595-1605	4.8	47
27	Solving 0/1 knapsack problem by binary flower pollination algorithm. <i>Neural Computing and Applications</i> , 2019 , 31, 5477-5495	4.8	17
26	Some appraisal criteria for multi-mode scheduling problem. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2019 , 10, 1641-1654	3.7	2
25	Internet of things in smart education environment: Supportive framework in the decision-making process. <i>Concurrency Computation Practice and Experience</i> , 2019 , 31, e4515	1.4	112
24	Krill herd algorithm based on cuckoo search for solving engineering optimization problems. <i>Multimedia Tools and Applications</i> , 2019 , 78, 3861-3884	2.5	24
23	A Novel Whale Optimization Algorithm for Cryptanalysis in Merkle-Hellman Cryptosystem. <i>Mobile Networks and Applications</i> , 2018 , 23, 723-733	2.9	22
22	Internet of Things (IoT) and its impact on supply chain: A framework for building smart, secure and efficient systems. <i>Future Generation Computer Systems</i> , 2018 , 86, 614-628	7.5	200
21	NMCDA: A framework for evaluating cloud computing services. <i>Future Generation Computer Systems</i> , 2018 , 86, 12-29	7.5	95
20	A hybrid approach of neutrosophic sets and DEMATEL method for developing supplier selection criteria. <i>Design Automation for Embedded Systems</i> , 2018 , 22, 257-278	0.6	122
19	An improved nature inspired meta-heuristic algorithm for 1-D bin packing problems. <i>Personal and Ubiquitous Computing</i> , 2018 , 22, 1117-1132	2.1	40
18	A hybrid whale optimization algorithm based on local search strategy for the permutation flow shop scheduling problem. <i>Future Generation Computer Systems</i> , 2018 , 85, 129-145	7.5	182
17	A comprehensive study of cuckoo-inspired algorithms. <i>Neural Computing and Applications</i> , 2018 , 29, 345-361	4.1	30
16	Neutrosophic AHP-Delphi Group decision making model based on trapezoidal neutrosophic numbers. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2018 , 9, 1427-1443	3.7	48
15	A comprehensive review of quadratic assignment problem: variants, hybrids and applications. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2018 , 1	3.7	24
14	Neutrosophic Association Rule Mining Algorithm for Big Data Analysis. <i>Symmetry</i> , 2018 , 10, 106	2.7	52
13	A group decision making framework based on neutrosophic VIKOR approach for e-government website evaluation. <i>Journal of Intelligent and Fuzzy Systems</i> , 2018 , 34, 4213-4224	1.6	47
12	An Extension of Neutrosophic AHP-BWOT Analysis for Strategic Planning and Decision-Making. <i>Symmetry</i> , 2018 , 10, 116	2.7	75

11	A Hybrid Neutrosophic Group ANP-TOPSIS Framework for Supplier Selection Problems. <i>Symmetry</i> , 2018 , 10, 226	2.7	49
10	Towards an efficient risk assessment in software projects Fuzzy reinforcement paradigm. <i>Computers and Electrical Engineering</i> , 2018 , 71, 833-846	4.3	63
9	A modified flower pollination algorithm for the multidimensional knapsack problem: human-centric decision making. <i>Soft Computing</i> , 2018 , 22, 4221-4239	3.5	21
8	A novel group decision-making model based on triangular neutrosophic numbers. <i>Soft Computing</i> , 2018 , 22, 6629-6643	3.5	33
7	Integrating the whale algorithm with Tabu search for quadratic assignment problem: A new approach for locating hospital departments. <i>Applied Soft Computing Journal</i> , 2018 , 73, 530-546	7.5	39
6	An integrated neutrosophic AHP and SWOT method for strategic planning methodology selection. <i>Benchmarking</i> , 2018 , 25, 2546-2564	4	16
5	Feature and Intensity Based Medical Image Registration Using Particle Swarm Optimization. <i>Journal of Medical Systems</i> , 2017 , 41, 197	5.1	42
4	A comparative study of cuckoo search and flower pollination algorithm on solving global optimization problems. <i>Library Hi Tech</i> , 2017 , 35, 588-601	1.5	7
3	A simplex method-based social spider optimization algorithm for clustering analysis. <i>Engineering Applications of Artificial Intelligence</i> , 2017 , 64, 67-82	7.2	46
2	Multi-criteria group decision making based on neutrosophic analytic hierarchy process. <i>Journal of Intelligent and Fuzzy Systems</i> , 2017 , 33, 4055-4066	1.6	66
1	Solving 0/1 Knapsack Problems by Binary Dragonfly Algorithm. <i>Lecture Notes in Computer Science</i> , 2017 , 491-502	0.9	9