

Le Hoang Son

List of Publications by Year in descending order

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185
papers

7,444
citations

34105

52
h-index

74163

75
g-index

189
all docs

189
docs citations

189
times ranked

4512
citing authors

#	ARTICLE	IF	CITATIONS
1	Generalized picture distance measure and applications to picture fuzzy clustering. Applied Soft Computing Journal, 2016, 46, 284-295.	7.2	231
2	DPFCM: A novel distributed picture fuzzy clustering method on picture fuzzy sets. Expert Systems With Applications, 2015, 42, 51-66.	7.6	164
3	HIFCF: An effective hybrid model between picture fuzzy clustering and intuitionistic fuzzy recommender systems for medical diagnosis. Expert Systems With Applications, 2015, 42, 3682-3701.	7.6	161
4	Dealing with the new user cold-start problem in recommender systems: A comparative review. Information Systems, 2016, 58, 87-104.	3.6	150
5	Prediction of shear strength of soft soil using machine learning methods. Catena, 2018, 166, 181-191.	5.0	146
6	Fuzzy Logic based Smart Irrigation System using Internet of Things. Journal of Cleaner Production, 2020, 252, 119902.	9.3	135
7	Development of artificial intelligence models for the prediction of Compression Coefficient of soil: An application of Monte Carlo sensitivity analysis. Science of the Total Environment, 2019, 679, 172-184.	8.0	128
8	Measuring analogousness in picture fuzzy sets: from picture distance measures to picture association measures. Fuzzy Optimization and Decision Making, 2017, 16, 359-378.	5.5	127
9	Real-time water quality monitoring using Internet of Things in SCADA. Environmental Monitoring and Assessment, 2018, 190, 556.	2.7	125
10	Performance evaluation of Botnet DDoS attack detection using machine learning. Evolutionary Intelligence, 2020, 13, 283-294.	3.6	124
11	H-max distance measure of intuitionistic fuzzy sets in decision making. Applied Soft Computing Journal, 2018, 69, 393-425.	7.2	114
12	Picture inference system: a new fuzzy inference system on picture fuzzy set. Applied Intelligence, 2017, 46, 652-669.	5.3	113
13	Congestion control in wireless sensor networks by hybrid multi-objective optimization algorithm. Computer Networks, 2018, 138, 90-107.	5.1	110
14	Picture fuzzy clustering: a new computational intelligence method. Soft Computing, 2016, 20, 3549-3562.	3.6	108
15	Modeling municipal solid waste collection: A generalized vehicle routing model with multiple transfer stations, gather sites and inhomogeneous vehicles in time windows. Waste Management, 2016, 52, 34-49.	7.4	106
16	A novel automatic picture fuzzy clustering method based on particle swarm optimization and picture composite cardinality. Knowledge-Based Systems, 2016, 109, 48-60.	7.1	106
17	Some novel hybrid forecast methods based on picture fuzzy clustering for weather nowcasting from satellite image sequences. Applied Intelligence, 2017, 46, 1-15.	5.3	102
18	A Hybrid Artificial Intelligence and Internet of Things Model for Generation of Renewable Resource of Energy. IEEE Access, 2019, 7, 111181-111191.	4.2	97

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19	A cooperative semi-supervised fuzzy clustering framework for dental X-ray image segmentation. Expert Systems With Applications, 2016, 46, 380-393.	7.6	94
20	An Intelligent IoT-Based Food Quality Monitoring Approach Using Low-Cost Sensors. Symmetry, 2019, 11, 374.	2.2	94
21	A Novel and Comprehensive Trust Estimation Clustering Based Approach for Large Scale Wireless Sensor Networks. IEEE Access, 2019, 7, 58221-58240.	4.2	93
22	Intuitionistic fuzzy recommender systems: An effective tool for medical diagnosis. Knowledge-Based Systems, 2015, 74, 133-150.	7.1	89
23	Cosine similarity measures of bipolar neutrosophic set for diagnosis of bipolar disorder diseases. Artificial Intelligence in Medicine, 2019, 101, 101735.	6.5	85
24	Segmentation of dental X-ray images in medical imaging using neutrosophic orthogonal matrices. Expert Systems With Applications, 2018, 91, 434-441.	7.6	84
25	Deep Learning Approach for Software Maintainability Metrics Prediction. IEEE Access, 2019, 7, 61840-61855.	4.2	84
26	HU-FCF: A hybrid user-based fuzzy collaborative filtering method in Recommender Systems. Expert Systems With Applications, 2014, 41, 6861-6870.	7.6	83
27	Dental diagnosis from X-Ray images: An expert system based on fuzzy computing. Biomedical Signal Processing and Control, 2018, 39, 64-73.	5.7	78
28	A survey of the state-of-the-arts on neutrosophic sets in biomedical diagnoses. International Journal of Machine Learning and Cybernetics, 2019, 10, 1-13.	3.6	78
29	ARM-AMO: An efficient association rule mining algorithm based on animal migration optimization. Knowledge-Based Systems, 2018, 154, 68-80.	7.1	76
30	Improving lifetime and network connections of 3D wireless sensor networks based on fuzzy clustering and particle swarm optimization. Wireless Networks, 2018, 24, 1477-1490.	3.0	75
31	Dental segmentation from X-ray images using semi-supervised fuzzy clustering with spatial constraints. Engineering Applications of Artificial Intelligence, 2017, 59, 186-195.	8.1	74
32	Collaborative handshaking approaches between internet of computing and internet of things towards a smart world: a review from 2009-2017. Telecommunication Systems, 2019, 70, 617-634.	2.5	74
33	A Novel Clustering Algorithm in a Neutrosophic Recommender System for Medical Diagnosis. Cognitive Computation, 2017, 9, 526-544.	5.2	73
34	A neutrosophic recommender system for medical diagnosis based on algebraic neutrosophic measures. Applied Soft Computing Journal, 2018, 71, 1054-1071.	7.2	72
35	Energy efficient optimized rate based congestion control routing in wireless sensor network. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 1325-1338.	4.9	72
36	Reliability and energy efficient workflow scheduling in cloud environment. Cluster Computing, 2019, 22, 1283-1297.	5.0	71

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37	Optimizing Municipal Solid Waste collection using Chaotic Particle Swarm Optimization in GIS based environments: A case study at Danang city, Vietnam. <i>Expert Systems With Applications</i> , 2014, 41, 8062-8074.	7.6	69
38	Bipolar neutrosophic soft sets and applications in decision making. <i>Journal of Intelligent and Fuzzy Systems</i> , 2017, 33, 4077-4087.	1.4	69
39	Detection of Power Quality Event using Histogram of Oriented Gradients and Support Vector Machine. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018, 120, 52-75.	5.0	69
40	Novel fuzzy clustering scheme for 3D wireless sensor networks. <i>Applied Soft Computing Journal</i> , 2017, 54, 141-149.	7.2	68
41	A new fusion of salp swarm with sine cosine for optimization of non-linear functions. <i>Engineering With Computers</i> , 2020, 36, 185-212.	6.1	68
42	Inferring air pollution from air quality index by different geographical areas: case study in India. <i>Air Quality, Atmosphere and Health</i> , 2019, 12, 1347-1357.	3.3	67
43	A novel intuitionistic fuzzy clustering method for geo-demographic analysis. <i>Expert Systems With Applications</i> , 2012, 39, 9848-9859.	7.6	66
44	A Cluster-Based Boosting Algorithm for Bankruptcy Prediction in a Highly Imbalanced Dataset. <i>Symmetry</i> , 2018, 10, 250.	2.2	65
45	A novel semi-supervised fuzzy clustering method based on interactive fuzzy satisficing for dental x-ray image segmentation. <i>Applied Intelligence</i> , 2016, 45, 402-428.	5.3	63
46	Link prediction in co-authorship networks based on hybrid content similarity metric. <i>Applied Intelligence</i> , 2018, 48, 2470-2486.	5.3	63
47	Interval Complex Neutrosophic Set: Formulation and Applications in Decision-Making. <i>International Journal of Fuzzy Systems</i> , 2018, 20, 986-999.	4.0	61
48	Neural-fuzzy with representative sets for prediction of student performance. <i>Applied Intelligence</i> , 2019, 49, 172-187.	5.3	61
49	Diabetic Retinopathy Diagnosis from Retinal Images Using Modified Hopfield Neural Network. <i>Journal of Medical Systems</i> , 2018, 42, 247.	3.6	57
50	A novel group decision making model based on neutrosophic sets for heart disease diagnosis. <i>Multimedia Tools and Applications</i> , 2020, 79, 9977-10002.	3.9	56
51	Representing complex intuitionistic fuzzy set by quaternion numbers and applications to decision making. <i>Applied Soft Computing Journal</i> , 2020, 87, 105961.	7.2	56
52	Adaptive Network Based Fuzzy Inference System with Meta-Heuristic Optimizations for International Roughness Index Prediction. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4715.	2.5	55
53	Neutrosophic image segmentation with Dice Coefficients. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 134, 762-772.	5.0	53
54	Decision Making Based on Fuzzy Aggregation Operators for Medical Diagnosis from Dental X-ray images. <i>Journal of Medical Systems</i> , 2016, 40, 280.	3.6	52

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55	Dynamic structural neural network. <i>Journal of Intelligent and Fuzzy Systems</i> , 2018, 34, 2479-2490.	1.4	49
56	Prediction of Air Pollution Index in Kuala Lumpur using fuzzy time series and statistical models. <i>Air Quality, Atmosphere and Health</i> , 2020, 13, 77-88.	3.3	49
57	Brain signal based human emotion analysis by circular back propagation and Deep Kohonen Neural Networks. <i>Computers and Electrical Engineering</i> , 2018, 68, 170-180.	4.8	47
58	APD-JFAD: Accurate Prevention and Detection of Jelly Fish Attack in MANET. <i>IEEE Access</i> , 2018, 6, 56954-56965.	4.2	46
59	Probability-based cluster head selection and fuzzy multipath routing for prolonging lifetime of wireless sensor networks. <i>Peer-to-Peer Networking and Applications</i> , 2019, 12, 1061-1075.	3.9	45
60	Assessment of Code Smell for Predicting Class Change Proneness Using Machine Learning. <i>IEEE Access</i> , 2019, 7, 37414-37425.	4.2	45
61	A novel approach for fuzzy clustering based on neutrosophic association matrix. <i>Computers and Industrial Engineering</i> , 2019, 127, 687-697.	6.3	45
62	Boosting performance of power quality event identification with KL Divergence measure and standard deviation. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018, 126, 134-142.	5.0	44
63	SGA: spatial GIS-based genetic algorithm for route optimization of municipal solid waste collection. <i>Environmental Science and Pollution Research</i> , 2018, 25, 27569-27582.	5.3	44
64	FD-AOMDV: fault-tolerant disjoint ad-hoc on-demand multipath distance vector routing algorithm in mobile ad-hoc networks. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2019, 10, 4455-4472.	4.9	44
65	\hat{I} -equality of intuitionistic fuzzy sets: a new proximity measure and applications in medical diagnosis. <i>Applied Intelligence</i> , 2018, 48, 499-525.	5.3	43
66	Soft-computing techniques for prediction of soils consolidation coefficient. <i>Catena</i> , 2020, 195, 104802.	5.0	43
67	A New Design of Mamdani Complex Fuzzy Inference System for Multiattribute Decision Making Problems. <i>IEEE Transactions on Fuzzy Systems</i> , 2021, 29, 716-730.	9.8	43
68	Neighbor Knowledge-based Rebroadcast algorithm for minimizing the routing overhead in Mobile Ad-hoc Networks. <i>Ad Hoc Networks</i> , 2019, 93, 101896.	5.5	41
69	A New Complex Fuzzy Inference System With Fuzzy Knowledge Graph and Extensions in Decision Making. <i>IEEE Access</i> , 2020, 8, 164899-164921.	4.2	40
70	New similarity measures for single-valued neutrosophic sets with applications in pattern recognition and medical diagnosis problems. <i>Complex & Intelligent Systems</i> , 2021, 7, 703-723.	6.5	40
71	IoT Based Heart Activity Monitoring Using Inductive Sensors. <i>Sensors</i> , 2019, 19, 3284.	3.8	39
72	Design of a security-aware routing scheme in Mobile Ad-hoc Network using repeated game model. <i>Computer Standards and Interfaces</i> , 2019, 66, 103358.	5.4	39

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73	Spatial interaction " modification model and applications to geo-demographic analysis. Knowledge-Based Systems, 2013, 49, 152-170.	7.1	38
74	Modified zone based intrusion detection system for security enhancement in mobile ad hoc networks. Wireless Networks, 2020, 26, 1275-1289.	3.0	38
75	Bi-heuristic ant colony optimization-based approaches for traveling salesman problem. Soft Computing, 2021, 25, 3775-3794.	3.6	38
76	On the performance evaluation of "intuitionistic vector similarity measures" for medical diagnosis1. Journal of Intelligent and Fuzzy Systems, 2016, 31, 1597-1608.	1.4	37
77	Mixed Pixel Decomposition Based on Extended Fuzzy Clustering for Single Spectral Value Remote Sensing Images. Journal of the Indian Society of Remote Sensing, 2019, 47, 427-437.	2.4	35
78	THEORETICAL ANALYSIS OF PICTURE FUZZY CLUSTERING: CONVERGENCE AND PROPERTY. Journal of Computer Science and Cybernetics, 2018, 34, 17-32.	0.3	35
79	A Novel Multiple Fuzzy Clustering Method Based on Internal Clustering Validation Measures with Gradient Descent. International Journal of Fuzzy Systems, 2016, 18, 894-903.	4.0	34
80	Tune Up Fuzzy C-Means for Big Data: Some Novel Hybrid Clustering Algorithms Based on Initial Selection and Incremental Clustering. International Journal of Fuzzy Systems, 2017, 19, 1585-1602.	4.0	34
81	Systematic Review of Decision Making Algorithms in Extended Neutrosophic Sets. Symmetry, 2018, 10, 314.	2.2	34
82	Linear quadratic regulator problem governed by granular neutrosophic fractional differential equations. ISA Transactions, 2020, 97, 296-316.	5.7	34
83	Enhancing clustering quality of geo-demographic analysis using context fuzzy clustering type-2 and particle swarm optimization. Applied Soft Computing Journal, 2014, 22, 566-584.	7.2	32
84	A novel kernel fuzzy clustering algorithm for Geo-Demographic Analysis. Information Sciences, 2015, 317, 202-223.	6.9	32
85	Linguistic Approaches to Interval Complex Neutrosophic Sets in Decision Making. IEEE Access, 2019, 7, 38902-38917.	4.2	32
86	Dynamic interval valued neutrosophic set: Modeling decision making in dynamic environments. Computers in Industry, 2019, 108, 45-52.	9.9	32
87	Fuzzy minimum spanning tree with interval type 2 fuzzy arc length: formulation and a new genetic algorithm. Soft Computing, 2020, 24, 3963-3974.	3.6	32
88	Perception, acceptance and willingness of older adults in Malaysia towards online shopping: a study using the UTAUT and IRT models. Journal of Ambient Intelligence and Humanized Computing, 0, , 1.	4.9	32
89	HU-FCF++: A novel hybrid method for the new user cold-start problem in recommender systems. Engineering Applications of Artificial Intelligence, 2015, 41, 207-222.	8.1	31
90	Neutrosophic soft set decision making for stock trending analysis. Evolving Systems, 2019, 10, 621-627.	3.9	31

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91	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.	4.2	31
92	Novel Incremental Algorithms for Attribute Reduction From Dynamic Decision Tables Using Hybrid Filter Wrapper With Fuzzy Partition Distance. <i>IEEE Transactions on Fuzzy Systems</i> , 2020, 28, 858-873.	9.8	31
93	A new algorithm for finding minimum spanning trees with undirected neutrosophic graphs. <i>Granular Computing</i> , 2019, 4, 63-69.	8.0	30
94	A lossless DEM compression for fast retrieval method using fuzzy clustering and MANFIS neural network. <i>Engineering Applications of Artificial Intelligence</i> , 2014, 29, 33-42.	8.1	28
95	A new enhanced cyber security framework for medical cyber physical systems. <i>Software-Intensive Cyber-Physical Systems</i> , 2021, 35, 159-183.	2.3	28
96	Water pollution examination through quality analysis of different rivers: a case study in India. <i>Environment, Development and Sustainability</i> , 2022, 24, 7471-7492.	5.0	28
97	Data Mining in GIS: A Novel Context-Based Fuzzy Geographically Weighted Clustering Algorithm. <i>International Journal of Machine Learning and Computing</i> , 2012, , 235-238.	0.6	26
98	Fuzzy geographically weighted clustering using artificial bee colony: An efficient geo-demographic analysis algorithm and applications to the analysis of crime behavior in population. <i>Applied Intelligence</i> , 2016, 44, 377-398.	5.3	25
99	Link-Disjoint Multipath Routing for Network Traffic Overload Handling in Mobile Ad-hoc Networks. <i>IEEE Access</i> , 2019, 7, 143312-143323.	4.2	25
100	The existence and uniqueness of fuzzy solutions for hyperbolic partial differential equations. <i>Fuzzy Optimization and Decision Making</i> , 2014, 13, 435-462.	5.5	24
101	Soft computing methods for WiMax Network Planning on 3D Geographical Information Systems. <i>Journal of Computer and System Sciences</i> , 2017, 83, 159-179.	1.2	24
102	Smart routing for municipal solid waste collection: a heuristic approach. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2019, 10, 1865-1884.	4.9	24
103	Towards granular calculus of single-valued neutrosophic functions under granular computing. <i>Multimedia Tools and Applications</i> , 2020, 79, 16845-16881.	3.9	24
104	Developments in the detection of diabetic retinopathy: a state-of-the-art review of computer-aided diagnosis and machine learning methods. <i>Artificial Intelligence Review</i> , 2023, 56, 915-964.	15.7	24
105	A New Representation of Intuitionistic Fuzzy Systems and Their Applications in Critical Decision Making. <i>IEEE Intelligent Systems</i> , 2020, 35, 6-17.	4.0	23
106	A modified genetic algorithm for performance improvement of transform based image steganography systems. <i>Journal of Intelligent and Fuzzy Systems</i> , 2018, 35, 197-209.	1.4	22
107	Governing mobile Virtual Network Operators in developing countries. <i>Utilities Policy</i> , 2019, 56, 169-180.	4.0	21
108	Fuzzy and neutrosophic modeling for link prediction in social networks. <i>Evolving Systems</i> , 2019, 10, 629-634.	3.9	21

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109	New scheme for underwater acoustically wireless transmission using direct sequence code division multiple access in MIMO systems. <i>Wireless Networks</i> , 2019, 25, 4541-4553.	3.0	20
110	Fog removal in images using improved dark channel prior and contrast limited adaptive histogram equalization. <i>Multimedia Tools and Applications</i> , 2019, 78, 23281-23307.	3.9	20
111	How to prevent maritime border collision for fisheries?-A design of Real-Time Automatic Identification System. <i>Earth Science Informatics</i> , 2019, 12, 241-252.	3.2	20
112	DRP: Dynamic Routing Protocol in Wireless Sensor Networks. <i>Wireless Personal Communications</i> , 2020, 111, 313-329.	2.7	20
113	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.	3.6	19
114	A New Algorithm for High Power Node Multicasting in Wireless Sensor Networks. <i>IEEE Access</i> , 2019, 7, 38584-38592.	4.2	19
115	Forecasting mortality rates using hybrid Lee-Carter model, artificial neural network and random forest. <i>Complex & Intelligent Systems</i> , 2021, 7, 163-189.	6.5	19
116	A study on regular picture fuzzy graph with applications in communication networks. <i>Journal of Intelligent and Fuzzy Systems</i> , 2020, 39, 3633-3645.	1.4	18
117	Context-Similarity Collaborative Filtering Recommendation. <i>IEEE Access</i> , 2020, 8, 33342-33351.	4.2	18
118	New Concepts on Vertex and Edge Coloring of Simple Vague Graphs. <i>Symmetry</i> , 2018, 10, 373.	2.2	17
119	On the Stabilizability for a Class of Linear Time-Invariant Systems Under Uncertainty. <i>Circuits, Systems, and Signal Processing</i> , 2020, 39, 919-960.	2.0	17
120	Analysis of municipal solid waste collection using GIS and multi-criteria decision aid. <i>Applied Geomatics</i> , 2020, 12, 193-208.	2.5	17
121	Prevalence of early childhood caries and its related risk factors in preschoolers: Result from a cross sectional study in Vietnam. <i>Pediatric Dental Journal</i> , 2017, 27, 79-84.	0.7	16
122	Recognition of surgically altered face images: an empirical analysis on recent advances. <i>Artificial Intelligence Review</i> , 2019, 52, 1009-1040.	15.7	15
123	A new method to classify malicious domain name using neutrosophic sets in DGA botnet detection. <i>Journal of Intelligent and Fuzzy Systems</i> , 2020, 38, 4223-4236.	1.4	15
124	Dental Diagnosis from X-Ray Images using Fuzzy Rule-Based Systems. <i>International Journal of Fuzzy System Applications</i> , 2017, 6, 1-16.	0.7	14
125	BitCoin exclusively informational money: a valuable review from 2010 to 2017. <i>Quality and Quantity</i> , 2018, 52, 2037-2054.	3.7	14
126	Adaptive Technique with Cross Correlation for Lowering Signal-to-Noise Ratio Wall in Sensor Networks. <i>Wireless Personal Communications</i> , 2019, 105, 787-802.	2.7	14

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127	An Effective Congestion Control Scheme for MANET with Relative Traffic Link Matrix Routing. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 6171-6181.	3.0	14
128	New Soft Set Based Class of Linear Algebraic Codes. <i>Symmetry</i> , 2018, 10, 510.	2.2	13
129	Some context fuzzy clustering methods for classification problems. , 2010, , .		12
130	M-CFIS-R: Mamdani Complex Fuzzy Inference System with Rule Reduction Using Complex Fuzzy Measures in Granular Computing. <i>Mathematics</i> , 2020, 8, 707.	2.2	12
131	Heuristic Search Based Localization in Mobile Computational Grid. <i>IEEE Access</i> , 2019, 7, 78652-78664.	4.2	11
132	Iris localization for direction and deformation independence based on polynomial curve fitting and singleton expansion. <i>Multimedia Tools and Applications</i> , 2019, 78, 19279-19303.	3.9	11
133	The Combination of Adaptive Convolutional Neural Network and Bag of Visual Words in Automatic Diagnosis of Third Molar Complications on Dental X-Ray Images. <i>Diagnostics</i> , 2020, 10, 209.	2.6	11
134	A Novel Dynamic Multi-Criteria Decision Making Method Based on Generalized Dynamic Interval-Valued Neutrosophic Set. <i>Symmetry</i> , 2020, 12, 618.	2.2	11
135	A New Approach for Construction of Geodemographic Segmentation Model and Prediction Analysis. <i>Computational Intelligence and Neuroscience</i> , 2019, 2019, 1-10.	1.7	10
136	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.	4.2	10
137	An Extended TOPSIS Method with Unknown Weight Information in Dynamic Neutrosophic Environment. <i>Mathematics</i> , 2020, 8, 401.	2.2	10
138	Design a prototype for automated patient diagnosis in wireless sensor networks. <i>Medical and Biological Engineering and Computing</i> , 2019, 57, 2373-2387.	2.8	9
139	Enhanced certificate revocation scheme with justification facility in mobile ad-hoc networks. <i>Computers and Security</i> , 2020, 97, 101962.	6.0	9
140	Predictive reliability and validity of hospital cost analysis with dynamic neural network and genetic algorithm. <i>Neural Computing and Applications</i> , 2020, 32, 15237-15248.	5.6	9
141	A novel fuzzy knowledge graph pairs approach in decision making. <i>Multimedia Tools and Applications</i> , 0, , .	3.9	9
142	Adaptive convolutional neural network using N-gram for spatial object recognition. <i>Earth Science Informatics</i> , 2019, 12, 525-540.	3.2	8
143	A genetic algorithm for total graph coloring. <i>Journal of Intelligent and Fuzzy Systems</i> , 2019, 37, 7831-7838.	1.4	8
144	A Dual Band Notched Ultra-Wideband Antenna. <i>Wireless Personal Communications</i> , 2020, 110, 1021-1032.	2.7	8

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145	A New Integrated Approach Based on the Iterative Super-Resolution Algorithm and Expectation Maximization for Face Hallucination. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 718.	2.5	8
146	Fuzzy Guided Autonomous Nursing Robot through Wireless Beacon Network. <i>Multimedia Tools and Applications</i> , 2021, , 1-29.	3.9	8
147	Analyzing Trends in Hospital-Cost Payments of Patients Using ARIMA and GIS: Case Study at the Hanoi Medical University Hospital, Vietnam. <i>Journal of Medical Imaging and Health Informatics</i> , 2017, 7, 421-429.	0.3	8
148	An application of fuzzy geographically clustering for solving the Cold-Start problem in recommender systems. , 2013, , .		7
149	Degree Approximation-Based Fuzzy Partitioning Algorithm and Applications in Wheat Production Prediction. <i>Symmetry</i> , 2018, 10, 768.	2.2	7
150	ITFDS: Channel-Aware Integrated Time and Frequency-Based Downlink LTE Scheduling in MANET. <i>Sensors</i> , 2020, 20, 3394.	3.8	7
151	Neutrosophic recommender system for medical diagnosis based on algebraic similarity measure and clustering. , 2017, , .		6
152	Decision Making Methods for Evaluation of Efficiency of General Insurance Companies in Malaysia: A Comparative Study. <i>IEEE Access</i> , 2019, 7, 160637-160649.	4.2	6
153	Performance enhanced ripplelet transform based compression method for medical images. Measurement: <i>Journal of the International Measurement Confederation</i> , 2019, 144, 203-213.	5.0	6
154	Neutrosophic approach for enhancing quality of signals. <i>Multimedia Tools and Applications</i> , 2020, 79, 16883-16914.	3.9	6
155	Relations and compositions between interval-valued complex fuzzy sets and applications for analysis of customers'™ online shopping preferences and behavior. <i>Applied Soft Computing Journal</i> , 2022, 114, 108082.	7.2	6
156	Influence of multimedia and seating location in academic engagement and grade performance of students. <i>Computer Applications in Engineering Education</i> , 2020, 28, 268-281.	3.4	5
157	Experimental Analyses of Terrain Factors to Performance of Sensor Placement Optimization in 3D Environments. <i>International Journal of Engineering and Technology</i> , 2016, 8, 394-400.	0.2	5
158	TS3FCM: trusted safe semi-supervised fuzzy clustering method for data partition with high confidence. <i>Multimedia Tools and Applications</i> , 2022, 81, 12567-12598.	3.9	5
159	Optimization for the sensor placement problem in 3D environments. , 2015, , .		4
160	A novel energy-balanced unequal fuzzy clustering algorithm for 3D wireless sensor networks. , 2016, , .		4
161	Two new concepts "Picture Fuzzy Rough Soft Sets"and "Picture Fuzzy Dynamic Systems" in Picture Fuzzy Systems. , 2018, , .		4
162	Spatial data analysis using association rule mining in distributed environments: a privacy prospect. <i>Spatial Information Research</i> , 2018, 26, 629-638.	2.2	4

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163	Single rate based extended logarithmic multicast congestion control. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 2779-2791.	4.9	4
164	AVRM: adaptive void recovery mechanism to reduce void nodes in wireless sensor networks. Peer-to-Peer Networking and Applications, 2020, 13, 987-1001.	3.9	4
165	Filter-Wrapper Incremental Algorithms for Finding Reduct in Incomplete Decision Systems When Adding and Deleting an Attribute Set. International Journal of Data Warehousing and Mining, 2021, 17, 39-62.	0.6	4
166	New concepts of pentapartitioned neutrosophic graphs and applications for determining safest paths and towns in response to COVID-19. Computational and Applied Mathematics, 2022, 41, .	2.2	4
167	A New Hybrid Model of Fuzzy Time Series and Genetic Algorithm Based Machine Learning Algorithm: A Case Study of Forecasting Prices of Nine Types of Major Cryptocurrencies. Big Data Research, 2022, 28, 100315.	4.2	4
168	Semisupervised fuzzy clustering methods for X-ray image segmentation. , 2020, , 251-289.		3
169	A novel Z-source boost derived hybrid converter for PV applications. Analog Integrated Circuits and Signal Processing, 2021, 109, 283-299.	1.4	3
170	Hybrid Cache Management in Ad Hoc Networks. Wireless Personal Communications, 2021, 118, 2843-2865.	2.7	3
171	Compressive sensing based routing and data reconstruction scheme for IoT based WSNs. Journal of Intelligent and Fuzzy Systems, 2021, 41, 19-35.	1.4	3
172	Detection of tyre defects using weighted quality-based convolutional neural network. Soft Computing, 2022, 26, 4261-4273.	3.6	3
173	On the development of three dimensional WebGIS systems: Some new trends and prospects. , 2010, , .		2
174	Medical Diagnosis from Images with Intuitionistic Fuzzy Distance Measures. Lecture Notes in Computer Science, 2018, , 479-490.	1.3	2
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