Le Hoang Son

List of Publications by Citations

181 papers	5,111 citations	44 h-index	60 g-index
189 ext. papers	6,138 ext. citations	3.8 avg, IF	6.96 L-index

#	Paper	IF	Citations
181	Generalized picture distance measure and applications to picture fuzzy clustering. *Applied Soft Computing Journal*, **2016**, 46, 284-295	7.5	164
180	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	7.8	127
179	DPFCM: A novel distributed picture fuzzy clustering method on picture fuzzy sets. *Expert Systems With Applications*, **2015**, 42, 51-66	7.8	117
178	Dealing with the new user cold-start problem in recommender systems: A comparative review. *Information Systems*, **2016**, 58, 87-104	2.7	110
177	Prediction of shear strength of soft soil using machine learning methods. *Catena*, **2018**, 166, 181-191	5.8	93
176	Measuring analogousness in picture fuzzy sets: from picture distance measures to picture association measures. *Fuzzy Optimization and Decision Making*, **2017**, 16, 359-378	5.1	93
175	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	10.2	90
174	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	8.6	87
173	Some novel hybrid forecast methods based on picture fuzzy clustering for weather nowcasting from satellite image sequences. *Applied Intelligence*, **2017**, 46, 1-15	4.9	79
172	Intuitionistic fuzzy recommender systems: An effective tool for medical diagnosis. *Knowledge-Based Systems*, **2015**, 74, 133-150	7.3	78
171	Congestion control in wireless sensor networks by hybrid multi-objective optimization algorithm. *Computer Networks*, **2018**, 138, 90-107	5.4	78
170	A novel automatic picture fuzzy clustering method based on particle swarm optimization and picture composite cardinality. *Knowledge-Based Systems*, **2016**, 109, 48-60	7.3	78
169	A cooperative semi-supervised fuzzy clustering framework for dental X-ray image segmentation. *Expert Systems With Applications*, **2016**, 46, 380-393	7.8	78
168	Real-time water quality monitoring using Internet of Things in SCADA. *Environmental Monitoring and Assessment*, **2018**, 190, 556	3.1	77
167	Picture inference system: a new fuzzy inference system on picture fuzzy set. *Applied Intelligence*, **2017**, 46, 652-669	4.9	75
166	Picture fuzzy clustering: a new computational intelligence method. *Soft Computing*, **2016**, 20, 3549-3562	3.5	72
165	A Hybrid Artificial Intelligence and Internet of Things Model for Generation of Renewable Resource of Energy. *IEEE Access*, **2019**, 7, 111181-111191	3.5	70

164	H-max distance measure of intuitionistic fuzzy sets in decision making. *Applied Soft Computing Journal*, **2018**, 69, 393-425	7.5	68
163	HU-FCF: A hybrid user-based fuzzy collaborative filtering method in Recommender Systems. *Expert Systems With Applications*, **2014**, 41, 6861-6870	7.8	67
162	A Novel Clustering Algorithm in a Neutrosophic Recommender System for Medical Diagnosis. *Cognitive Computation*, **2017**, 9, 526-544	4.4	66
161	A neutrosophic recommender system for medical diagnosis based on algebraic neutrosophic measures. *Applied Soft Computing Journal*, **2018**, 71, 1054-1071	7.5	64
160	Segmentation of dental X-ray images in medical imaging using neutrosophic orthogonal matrices. *Expert Systems With Applications*, **2018**, 91, 434-441	7.8	64
159	Improving lifetime and network connections of 3D wireless sensor networks based on fuzzy clustering and particle swarm optimization. *Wireless Networks*, **2018**, 24, 1477-1490	2.5	62
158	Cosine similarity measures of bipolar neutrosophic set for diagnosis of bipolar disorder diseases. *Artificial Intelligence in Medicine*, **2019**, 101, 101735	7.4	62
157	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	3.8	61
156	A novel intuitionistic fuzzy clustering method for geo-demographic analysis. *Expert Systems With Applications*, **2012**, 39, 9848-9859	7.8	58
155	Dental diagnosis from X-Ray images: An expert system based on fuzzy computing. *Biomedical Signal Processing and Control*, **2018**, 39, 64-73	4.9	57
154	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	2.3	56
153	Bipolar neutrosophic soft sets and applications in decision making. *Journal of Intelligent and Fuzzy Systems*, **2017**, 33, 4077-4087	1.6	56
152	Novel fuzzy clustering scheme for 3D wireless sensor networks. *Applied Soft Computing Journal*, **2017**, 54, 141-149	7.5	55
151	Interval Complex Neutrosophic Set: Formulation and Applications in Decision-Making. *International Journal of Fuzzy Systems*, **2018**, 20, 986-999	3.6	55
150	Dental segmentation from X-ray images using semi-supervised fuzzy clustering with spatial constraints. *Engineering Applications of Artificial Intelligence*, **2017**, 59, 186-195	7.2	54
149	A Novel and Comprehensive Trust Estimation Clustering Based Approach for Large Scale Wireless Sensor Networks. *IEEE Access*, **2019**, 7, 58221-58240	3.5	54
148	Fuzzy Logic based Smart Irrigation System using Internet of Things. *Journal of Cleaner Production*, **2020**, 252, 119902	10.3	54
147	Optimizing Municipal Solid Waste collection using Chaotic Particle Swarm Optimization in GIS based environments: A case study at Danang city, Vietnam. *Expert Systems With Applications*, **2014**, 41, 8062-8074	7.8	53

146	. *IEEE Access*, **2019**, 7, 61840-61855	3.5	51
145	A novel semi-supervised fuzzy clustering method based on interactive fuzzy satisficing for dental x-ray image segmentation. *Applied Intelligence*, **2016**, 45, 402-428	4.9	51
144	Detection of Power Quality Event using Histogram of Oriented Gradients and Support Vector Machine. *Measurement: Journal of the International Measurement Confederation*, **2018**, 120, 52-75	4.6	50
143	ARM-AMO: An efficient association rule mining algorithm based on animal migration optimization. *Knowledge-Based Systems*, **2018**, 154, 68-80	7.3	50
142	Dynamic structural neural network. *Journal of Intelligent and Fuzzy Systems*, **2018**, 34, 2479-2490	1.6	48
141	Performance evaluation of Botnet DDoS attack detection using machine learning. *Evolutionary Intelligence*, **2020**, 13, 283-294	1.7	47
140	Decision Making Based on Fuzzy Aggregation Operators for Medical Diagnosis from Dental X-ray images. *Journal of Medical Systems*, **2016**, 40, 280	5.1	46
139	A new fusion of salp swarm with sine cosine for optimization of non-linear functions. *Engineering With Computers*, **2020**, 36, 185-212	4.5	46
138	Neural-fuzzy with representative sets for prediction of student performance. *Applied Intelligence*, **2019**, 49, 172-187	4.9	45
137	Reliability and energy efficient workflow scheduling in cloud environment. *Cluster Computing*, **2019**, 22, 1283-1297	2.1	44
136	A Cluster-Based Boosting Algorithm for Bankruptcy Prediction in a Highly Imbalanced Dataset. *Symmetry*, **2018**, 10, 250	2.7	44
135	Inferring air pollution from air quality index by different geographical areas: case study in India. *Air Quality, Atmosphere and Health*, **2019**, 12, 1347-1357	5.6	43
134	Equality of intuitionistic fuzzy sets: a new proximity measure and applications in medical diagnosis. *Applied Intelligence*, **2018**, 48, 499-525	4.9	40
133	Adaptive Network Based Fuzzy Inference System with Meta-Heuristic Optimizations for International Roughness Index Prediction. *Applied Sciences (Switzerland)*, **2019**, 9, 4715	2.6	40
132	Link prediction in co-authorship networks based on hybrid content similarity metric. *Applied Intelligence*, **2018**, 48, 2470-2486	4.9	39
131	Diabetic Retinopathy Diagnosis from Retinal Images Using Modified Hopfield Neural Network. *Journal of Medical Systems*, **2018**, 42, 247	5.1	39
130	APD-JFAD: Accurate Prevention and Detection of Jelly Fish Attack in MANET. *IEEE Access*, **2018**, 6, 56954-56965	3.5	39
129	Brain signal based human emotion analysis by circular back propagation and Deep Kohonen Neural Networks. *Computers and Electrical Engineering*, **2018**, 68, 170-180	4.3	38

128	A novel approach for fuzzy clustering based on neutrosophic association matrix. *Computers and Industrial Engineering*, **2019**, 127, 687-697	6.4	38
127	Energy efficient optimized rate based congestion control routing in wireless sensor network. *Journal of Ambient Intelligence and Humanized Computing*, **2020**, 11, 1325-1338	3.7	38
126	Spatial interaction modification model and applications to geo-demographic analysis. *Knowledge-Based Systems*, **2013**, 49, 152-170	7.3	35
125	An Intelligent IoT-Based Food Quality Monitoring Approach Using Low-Cost Sensors. *Symmetry*, **2019**, 11, 374	2.7	34
124	Representing complex intuitionistic fuzzy set by quaternion numbers and applications to decision making. *Applied Soft Computing Journal*, **2020**, 87, 105961	7.5	33
123	On the performance evaluation of intuitionistic vector similarity measures for medical diagnosis1. *Journal of Intelligent and Fuzzy Systems*, **2016**, 31, 1597-1608	1.6	33
122	Neutrosophic image segmentation with Dice Coefficients. *Measurement: Journal of the International Measurement Confederation*, **2019**, 134, 762-772	4.6	32
121	Boosting performance of power quality event identification with KL Divergence measure and standard deviation. *Measurement: Journal of the International Measurement Confederation*, **2018**, 126, 134-142	4.6	32
120	A novel group decision making model based on neutrosophic sets for heart disease diagnosis. *Multimedia Tools and Applications*, **2020**, 79, 9977-10002	2.5	31
119	Neighbor Knowledge-based Rebroadcast algorithm for minimizing the routing overhead in Mobile Ad-hoc Networks. *Ad Hoc Networks*, **2019**, 93, 101896	4.8	29
118	Probability-based cluster head selection and fuzzy multipath routing for prolonging lifetime of wireless sensor networks. *Peer-to-Peer Networking and Applications*, **2019**, 12, 1061-1075	3.1	29
117	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	3.6	29
116	THEORETICAL ANALYSIS OF PICTURE FUZZY CLUSTERING: CONVERGENCE AND PROPERTY. *Journal of Computer Science and Cybernetics*, **2018**, 34, 17-32	1	29
115	A Novel Multiple Fuzzy Clustering Method Based on Internal Clustering Validation Measures with Gradient Descent. *International Journal of Fuzzy Systems*, **2016**, 18, 894-903	3.6	28
114	Neutrosophic soft set decision making for stock trending analysis. *Evolving Systems*, **2019**, 10, 621-627	2.1	28
113	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	7.5	28
112	Assessment of Code Smell for Predicting Class Change Proneness Using Machine Learning. *IEEE Access*, **2019**, 7, 37414-37425	3.5	27
111	A novel kernel fuzzy clustering algorithm for Geo-Demographic Analysis. *Information Sciences*, **2015**, 317, 202-223	7.7	27

110	FD-AOMDV: fault-tolerant disjoint ad-hoc on-demand multipath distance vector routing algorithm in mobile ad-hoc networks. *Journal of Ambient Intelligence and Humanized Computing*, **2019**, 10, 4455-4472	3.7	27
109	A new algorithm for finding minimum spanning trees with undirected neutrosophic graphs. *Granular Computing*, **2019**, 4, 63-69	5.4	27
108	Fuzzy minimum spanning tree with interval type 2 fuzzy arc length: formulation and a new genetic algorithm. *Soft Computing*, **2020**, 24, 3963-3974	3.5	27
107	Design of a security-aware routing scheme in Mobile Ad-hoc Network using repeated game model. *Computer Standards and Interfaces*, **2019**, 66, 103358	3.5	26
106	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	7.2	26
105	Linguistic Approaches to Interval Complex Neutrosophic Sets in Decision Making. *IEEE Access*, **2019**, 7, 38902-38917	3.5	25
104	A lossless DEM compression for fast retrieval method using fuzzy clustering and MANFIS neural network. *Engineering Applications of Artificial Intelligence*, **2014**, 29, 33-42	7.2	25
103	Dynamic interval valued neutrosophic set: Modeling decision making in dynamic environments. *Computers in Industry*, **2019**, 108, 45-52	11.6	25
102	Linear quadratic regulator problem governed by granular neutrosophic fractional differential equations. *ISA Transactions*, **2020**, 97, 296-316	5.5	25
101	Systematic Review of Decision Making Algorithms in Extended Neutrosophic Sets. *Symmetry*, **2018**, 10, 314	2.7	25
100	Mixed Pixel Decomposition Based on Extended Fuzzy Clustering for Single Spectral Value Remote Sensing Images **2019**, 47, 427-437		23
99	Fuzzy geographically weighted clustering using artificial bee colony: An efficient geo-demographic analysis algorithm and applications to the analysis of crime behavior in population. *Applied Intelligence*, **2016**, 44, 377-398	4.9	22
98	The existence and uniqueness of fuzzy solutions for hyperbolic partial differential equations. *Fuzzy Optimization and Decision Making*, **2014**, 13, 435-462	5.1	22
97	Soft computing methods for WiMax Network Planning on 3D Geographical Information Systems. *Journal of Computer and System Sciences*, **2017**, 83, 159-179	1	22
96	SGA: spatial GIS-based genetic algorithm for route optimization of municipal solid waste collection. *Environmental Science and Pollution Research*, **2018**, 25, 27569-27582	5.1	21
95	IoT Based Heart Activity Monitoring Using Inductive Sensors. *Sensors*, **2019**, 19,	3.8	21
94	Prediction of Air Pollution Index in Kuala Lumpur using fuzzy time series and statistical models. *Air Quality, Atmosphere and Health*, **2020**, 13, 77-88	5.6	21
93	Towards granular calculus of single-valued neutrosophic functions under granular computing. *Multimedia Tools and Applications*, **2020**, 79, 16845-16881	2.5	21

92	Modified zone based intrusion detection system for security enhancement in mobile ad hoc networks. *Wireless Networks*, **2020**, 26, 1275-1289	2.5	21
91	A Novel Neutrosophic Data Analytic Hierarchy Process for Multi-Criteria Decision Making Method: A Case Study in Kuala Lumpur Stock Exchange. *IEEE Access*, **2019**, 7, 53687-53697	3.5	20
90	Soft-computing techniques for prediction of soils consolidation coefficient. *Catena*, **2020**, 195, 104802	5.8	20
89	New scheme for underwater acoustically wireless transmission using direct sequence code division multiple access in MIMO systems. *Wireless Networks*, **2019**, 25, 4541-4553	2.5	19
88	A New Design of Mamdani Complex Fuzzy Inference System for Multiattribute Decision Making Problems. *IEEE Transactions on Fuzzy Systems*, **2021**, 29, 716-730	8.3	19
87	. *IEEE Intelligent Systems*, **2020**, 35, 6-17	4.2	18
86	New similarity measures for single-valued neutrosophic sets with applications in pattern recognition and medical diagnosis problems. *Complex & Intelligent Systems*, **2021**, 7, 703-723	7.1	18
85	Data Mining in GIS: A Novel Context-Based Fuzzy Geographically Weighted ClusteringAlgorithm. *International Journal of Machine Learning and Computing*, **2012**, 235-238	1.8	17
84	Fuzzy and neutrosophic modeling for link prediction in social networks. *Evolving Systems*, **2019**, 10, 629-634	2.4	17
83	How to prevent maritime border collision for fisheries?-A design of Real-Time Automatic Identification System. *Earth Science Informatics*, **2019**, 12, 241-252	2.5	17
82	Governing mobile Virtual Network Operators in developing countries. *Utilities Policy*, **2019**, 56, 169-180	3.3	16
81	A modified genetic algorithm for performance improvement of transform based image steganography systems. *Journal of Intelligent and Fuzzy Systems*, **2018**, 35, 197-209	1.6	16
80	A New Complex Fuzzy Inference System With Fuzzy Knowledge Graph and Extensions in Decision Making. *IEEE Access*, **2020**, 8, 164899-164921	3.5	16
79	Smart routing for municipal solid waste collection: a heuristic approach. *Journal of Ambient Intelligence and Humanized Computing*, **2019**, 10, 1865-1884	3.7	15
78	New Concepts on Vertex and Edge Coloring of Simple Vague Graphs. *Symmetry*, **2018**, 10, 373	2.7	15
77	Adaptive Technique with Cross Correlation for Lowering Signal-to-Noise Ratio Wall in Sensor Networks. *Wireless Personal Communications*, **2019**, 105, 787-802	1.9	14
76	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*, **2020**, 1	3.7	14
75	On the Stabilizability for a Class of Linear Time-Invariant Systems Under Uncertainty. *Circuits, Systems, and Signal Processing*, **2020**, 39, 919-960	2.2	14

74	Novel probabilistic resource migration algorithm for cross-cloud live migration of virtual machines in public cloud. *Journal of Supercomputing*, **2019**, 75, 5848-5865	2.5	12
73	A New Algorithm for High Power Node Multicasting in Wireless Sensor Networks. *IEEE Access*, **2019**, 7, 38584-38592	3.5	12
72	. *IEEE Access*, **2020**, 8, 33342-33351	3.5	12
71	Novel Incremental Algorithms for Attribute Reduction From Dynamic Decision Tables Using Hybrid Filter Wrapper With Fuzzy Partition Distance. *IEEE Transactions on Fuzzy Systems*, **2020**, 28, 858-873	8.3	12
70	DRP: Dynamic Routing Protocol in Wireless Sensor Networks. *Wireless Personal Communications*, **2020**, 111, 313-329	1.9	12
69	Prevalence of early childhood caries and its related risk factors in preschoolers: Result from a cross sectional study in Vietnam. *Pediatric Dental Journal*, **2017**, 27, 79-84	0.5	11
68	Dental Diagnosis from X-Ray Images using Fuzzy Rule-Based Systems. *International Journal of Fuzzy System Applications*, **2017**, 6, 1-16	0.6	11
67	Forecasting mortality rates using hybrid Lee Carter model, artificial neural network and random forest. *Complex & Intelligent Systems*, **2021**, 7, 163-189	7.1	11
66	Iris localization for direction and deformation independence based on polynomial curve fitting and singleton expansion. *Multimedia Tools and Applications*, **2019**, 78, 19279-19303	2.5	10
65	Some context fuzzy clustering methods for classification problems **2010**,		10
64	Fuzzy Equivalence on Standard and Rough Neutrosophic Sets and Applications to Clustering Analysis. *Advances in Intelligent Systems and Computing*, **2018**, 834-842	0.4	9
63	BitCoin exclusively informational money: a valuable review from 2010 to 2017. *Quality and Quantity*, **2018**, 52, 2037-2054	2.4	9
62	Recognition of surgically altered face images: an empirical analysis on recent advances. *Artificial Intelligence Review*, **2019**, 52, 1009-1040	9.7	9
61	New Soft Set Based Class of Linear Algebraic Codes. *Symmetry*, **2018**, 10, 510	2.7	9
60	Water pollution examination through quality analysis of different rivers: a case study in India. *Environment, Development and Sustainability*, 1	4.5	9
59	A New Approach for Construction of Geodemographic Segmentation Model and Prediction Analysis. *Computational Intelligence and Neuroscience*, **2019**, 2019, 9252837	3	8
58	Fog removal in images using improved dark channel prior and contrast limited adaptive histogram equalization. *Multimedia Tools and Applications*, **2019**, 78, 23281-23307	2.5	8
57	A new method to classify malicious domain name using neutrosophic sets in DGA botnet detection. *Journal of Intelligent and Fuzzy Systems*, **2020**, 38, 4223-4236	1.6	8

56	Link-Disjoint Multipath Routing for Network Traffic Overload Handling in Mobile Ad-hoc Networks. *IEEE Access*, **2019**, 7, 143312-143323	3.5	8
55	Analyzing Trends in Hospital-Cost Payments of Patients Using ARIMA and GIS: Case Study at the Hanoi Medical University Hospital, Vietnam. *Journal of Medical Imaging and Health Informatics*, **2017**, 7, 421-429	1.2	8
54	A new enhanced cyber security framework for medical cyber physical systems. *Software-Intensive Cyber-Physical Systems*,1	1.4	8
53	M-CFIS-R: Mamdani Complex Fuzzy Inference System with Rule Reduction Using Complex Fuzzy Measures in Granular Computing. *Mathematics*, **2020**, 8, 707	2.3	7
52	A New Integrated Approach Based on the Iterative Super-Resolution Algorithm and Expectation Maximization for Face Hallucination. *Applied Sciences (Switzerland)*, **2020**, 10, 718	2.6	7
51	Predictive reliability and validity of hospital cost analysis with dynamic neural network and genetic algorithm. *Neural Computing and Applications*, **2020**, 32, 15237-15248	4.8	7
50	An Extended TOPSIS Method with Unknown Weight Information in Dynamic Neutrosophic Environment. *Mathematics*, **2020**, 8, 401	2.3	7
49	Heuristic Search Based Localization in Mobile Computational Grid. *IEEE Access*, **2019**, 7, 78652-78664	3.5	7
48	Adaptive convolutional neural network using N-gram for spatial object recognition. *Earth Science Informatics*, **2019**, 12, 525-540	2.5	7
47	A study on regular picture fuzzy graph with applications in communication networks. *Journal of Intelligent and Fuzzy Systems*, **2020**, 39, 3633-3645	1.6	7
46	Design a prototype for automated patient diagnosis in wireless sensor networks. *Medical and Biological Engineering and Computing*, **2019**, 57, 2373-2387	3.1	6
45	An Effective Congestion Control Scheme for MANET with Relative Traffic Link Matrix Routing. *Arabian Journal for Science and Engineering*, **2020**, 45, 6171-6181	2.5	6
44	The Combination of Adaptive Convolutional Neural Network and Bag of Visual Words in Automatic Diagnosis of Third Molar Complications on Dental X-Ray Images. *Diagnostics*, **2020**, 10,	3.8	6
43	A Novel Dynamic Multi-Criteria Decision Making Method Based on Generalized Dynamic Interval-Valued Neutrosophic Set. *Symmetry*, **2020**, 12, 618	2.7	6
42	Bi-heuristic ant colony optimization-based approaches for traveling salesman problem. *Soft Computing*, **2021**, 25, 3775-3794	3.5	6
41	Degree Approximation-Based Fuzzy Partitioning Algorithm and Applications in Wheat Production Prediction. *Symmetry*, **2018**, 10, 768	2.7	6
40	Performance enhanced ripplet transform based compression method for medical images. *Measurement: Journal of the International Measurement Confederation*, **2019**, 144, 203-213	4.6	5
39	ITFDS: Channel-Aware Integrated Time and Frequency-Based Downlink LTE Scheduling in MANET. *Sensors*, **2020**, 20,	3.8	5

38	An application of fuzzy geographically clustering for solving the Cold-Start problem in recommender systems **2013**,		5
37	Experimental Analyses of Terrain Factors to Performance of Sensor Placement Optimization in 3D Environments. *International Journal of Engineering and Technology*, **2016**, 8, 394-400	0	5
36	Analysis of municipal solid waste collection using GIS and multi-criteria decision aid. *Applied Geomatics*, **2020**, 12, 193-208	2.2	5
35	Neutrosophic approach for enhancing quality of signals. *Multimedia Tools and Applications*, **2020**, 79, 16883-16914	2.5	5
34	A Novel Single Valued Neutrosophic Hesitant Fuzzy Time Series Model: Applications in Indonesian and Argentinian Stock Index Forecasting. *IEEE Access*, **2020**, 8, 60126-60141	3.5	4
33	Spatial data analysis using association rule mining in distributed environments: a privacy prospect. *Spatial Information Research*, **2018**, 26, 629-638	1.6	4
32	A genetic algorithm for total graph coloring. *Journal of Intelligent and Fuzzy Systems*, **2019**, 37, 7831-7838	1.6	4
31	Enhanced certificate revocation scheme with justification facility in mobile ad-hoc networks. *Computers and Security*, **2020**, 97, 101962	4.9	4
30	Single rate based extended logarithmic multicast congestion control. *Journal of Ambient Intelligence and Humanized Computing*, **2020**, 11, 2779-2791	3.7	4
29	Enhance Link Prediction in Online Social Networks Using Similarity Metrics, Sampling, and Classification. *Advances in Intelligent Systems and Computing*, **2018**, 823-833	0.4	3
28	Neutrosophic recommender system for medical diagnosis based on algebraic similarity measure and clustering **2017**,		3
27	Colorectal Cancer Diagnosis with Complex Fuzzy Inference System. *Advances in Intelligent Systems and Computing*, **2020**, 11-20	0.4	3
26	Hybrid Cache Management in Ad Hoc Networks. *Wireless Personal Communications*, **2021**, 118, 2843-2865	1.9	3
25	A novel energy-balanced unequal fuzzy clustering algorithm for 3D wireless sensor networks **2016**,		3
24	Relations and compositions between interval-valued complex fuzzy sets and applications for analysis of customers online shopping preferences and behavior. *Applied Soft Computing Journal*, **2022**, 114, 108082	7.5	2
23	Influence of multimedia and seating location in academic engagement and grade performance of students. *Computer Applications in Engineering Education*, **2020**, 28, 268-281	1.6	2
22	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	1	2
21	A Dual Band Notched Ultra-Wideband Antenna. *Wireless Personal Communications*, **2020**, 110, 1021-1032	1.9	2

#	Publication	Col1	Col2
20	Compression based clustering technique for enhancing accuracy in web scale videos. *Multimedia Tools and Applications*, **2021**, 80, 7077-7101	2.5	2
19	Optimization for the sensor placement problem in 3D environments **2015**,		1
18	Semisupervised fuzzy clustering methods for X-ray image segmentation **2020**, 251-289		1
17	Medical Diagnosis from Images with Intuitionistic Fuzzy Distance Measures. *Lecture Notes in Computer Science*, **2018**, 479-490	0.9	1
16	Decision Making Methods for Evaluation of Efficiency of General Insurance Companies in Malaysia: A Comparative Study. *IEEE Access*, **2019**, 7, 160637-160649	3.5	1
15	Enhanced Border and Hole Detection for Energy Utilization in Wireless Sensor Networks. *Arabian Journal for Science and Engineering*,1	2.5	1
14	AVRM: adaptive void recovery mechanism to reduce void nodes in wireless sensor networks. *Peer-to-Peer Networking and Applications*, **2020**, 13, 987-1001	3.1	1
13	New expected impact functions and algorithms for modeling games under soft sets. *Journal of Intelligent and Fuzzy Systems*, **2020**, 39, 4463-4472	1.6	1
12	Recommender Systems Based on Resonance Relationship of Criteria With Choquet Operation. *International Journal of Data Warehousing and Mining*, **2020**, 16, 44-62	1	1
11	Fuzzy Guided Autonomous Nursing Robot through Wireless Beacon Network. *Multimedia Tools and Applications*, **2021**, 1-29	2.5	1
10	A novel Z-source boost derived hybrid converter for PV applications. *Analog Integrated Circuits and Signal Processing*, **2021**, 109, 283	1.2	1
9	An Effective Traceback Network Attack Procedure for Source Address Verification. *Wireless Personal Communications*, **2021**, 118, 1675-1696	1.9	1
8	Compressive sensing based routing and data reconstruction scheme for IoT based WSNs. *Journal of Intelligent and Fuzzy Systems*, **2021**, 41, 19-35	1.6	1
7	Intuitionistic Fuzzy Sets in Large-Scale Software Requirement Prioritization. *Advances in Computer and Electrical Engineering Book Series*, **2022**, 443-476	0.3	1
6	Developments in the detection of diabetic retinopathy: a state-of-the-art review of computer-aided diagnosis and machine learning methods.. *Artificial Intelligence Review*, **2022**, 1-50	9.7	1
5	TS3FCM: trusted safe semi-supervised fuzzy clustering method for data partition with high confidence. *Multimedia Tools and Applications*, **2022**, 81, 12567	2.5	0
4	Understanding Factors Affecting the Outbreak of Malaria Using Locally-Compensated Ridge Geographically Weighted Regression: Case Study in DakNong, Vietnam **2018**, 166-185		
3	Detection of tyre defects using weighted quality-based convolutional neural network. *Soft Computing*, **2022**, 26, 4261-4273	3.5	

| 2 | Some Problems Related to Reducts of Consistent Incomplete Decision Tables. *International Journal of Mathematical, Engineering and Management Sciences*, **2022**, 7, 288-298 | 1 |
| 1 | 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 | 3.7 |