

Tahir Mahmood

List of Publications by Year in descending order

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198
papers

6,302
citations

81743

39
h-index

91712

69
g-index

200
all docs

200
docs citations

200
times ranked

1458
citing authors

#	ARTICLE	IF	CITATIONS
1	An approach toward decision-making and medical diagnosis problems using the concept of spherical fuzzy sets. <i>Neural Computing and Applications</i> , 2019, 31, 7041-7053.	3.2	477
2	Spherical fuzzy sets and their applications in multi-attribute decision making problems. <i>Journal of Intelligent and Fuzzy Systems</i> , 2019, 36, 2829-2844.	0.8	246
3	On some distance measures of complex Pythagorean fuzzy sets and their applications in pattern recognition. <i>Complex & Intelligent Systems</i> , 2020, 6, 15-27.	4.0	231
4	A Novel Approach towards Bipolar Soft Sets and Their Applications. <i>Journal of Mathematics</i> , 2020, 2020, 1-11.	0.5	163
5	Einstein Geometric Aggregation Operators using a Novel Complex Interval-valued Pythagorean Fuzzy Setting with Application in Green Supplier Chain Management. <i>Reports in Mechanical Engineering</i> , 2021, 2, 105-134.	4.9	162
6	Different Approaches to Multi-Criteria Group Decision Making Problems for Picture Fuzzy Environment. <i>Bulletin of the Brazilian Mathematical Society</i> , 2019, 50, 373-397.	0.3	144
7	Correlation coefficients for T-spherical fuzzy sets and their applications in clustering and multi-attribute decision making. <i>Soft Computing</i> , 2020, 24, 1647-1659.	2.1	133
8	Similarity Measures for T-Spherical Fuzzy Sets with Applications in Pattern Recognition. <i>Symmetry</i> , 2018, 10, 193.	1.1	124
9	Spherical fuzzy Dombi aggregation operators and their application in group decision making problems. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2020, 11, 2731-2749.	3.3	122
10	TOPSIS Method Based on Complex Spherical Fuzzy Sets with Bonferroni Mean Operators. <i>Mathematics</i> , 2020, 8, 1739.	1.1	114
11	Complex q-Rung Orthopair Fuzzy Aggregation Operators and Their Applications in Multi-Attribute Group Decision Making. <i>Information (Switzerland)</i> , 2020, 11, 5.	1.7	105
12	Algorithm for T-Spherical Fuzzy Multi-Attribute Decision Making Based on Improved Interactive Aggregation Operators. <i>Symmetry</i> , 2018, 10, 670.	1.1	100
13	Complex T-Spherical Fuzzy Aggregation Operators with Application to Multi-Attribute Decision Making. <i>Symmetry</i> , 2020, 12, 1311.	1.1	95
14	T-Spherical Fuzzy Power Muirhead Mean Operator Based on Novel Operational Laws and Their Application in Multi-Attribute Group Decision Making. <i>IEEE Access</i> , 2019, 7, 22613-22632.	2.6	93
15	Evaluation of the Performance of Search and Rescue Robots Using T-spherical Fuzzy Hamacher Aggregation Operators. <i>International Journal of Fuzzy Systems</i> , 2020, 22, 570-582.	2.3	92
16	Evaluation of Investment Policy Based on Multi-Attribute Decision-Making Using Interval Valued T-Spherical Fuzzy Aggregation Operators. <i>Symmetry</i> , 2019, 11, 357.	1.1	91
17	The cosine similarity measures of spherical fuzzy sets and their applications in decision making. <i>Journal of Intelligent and Fuzzy Systems</i> , 2019, 36, 6059-6073.	0.8	88
18	q-Rung orthopair fuzzy soft average aggregation operators and their application in multicriteria decision-making. <i>International Journal of Intelligent Systems</i> , 2020, 35, 571-599.	3.3	86

#	ARTICLE	IF	CITATIONS
19	A Method to Multi-Attribute Group Decision-Making Problem with Complex q-Rung Orthopair Linguistic Information Based on Heronian Mean Operators. <i>International Journal of Computational Intelligence Systems</i> , 2019, 12, 1465.	1.6	83
20	T-Spherical Fuzzy Einstein Hybrid Aggregation Operators and Their Applications in Multi-Attribute Decision Making Problems. <i>Symmetry</i> , 2020, 12, 365.	1.1	81
21	A novel approach towards bipolar complex fuzzy sets and their applications in generalized similarity measures. <i>International Journal of Intelligent Systems</i> , 2022, 37, 535-567.	3.3	81
22	Covering-Based Spherical Fuzzy Rough Set Model Hybrid with TOPSIS for Multi-Attribute Decision-Making. <i>Symmetry</i> , 2019, 11, 547.	1.1	78
23	Maclaurin symmetric mean operators and their applications in the environment of complex q-rung orthopair fuzzy sets. <i>Computational and Applied Mathematics</i> , 2020, 39, 1.	1.0	78
24	GRA method based on spherical linguistic fuzzy Choquet integral environment and its application in multi-attribute decision-making problems. <i>Mathematical Sciences</i> , 2018, 12, 263-275.	1.0	72
25	T-spherical fuzzy power aggregation operators and their applications in multi-attribute decision making. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2021, 12, 9067-9080.	3.3	70
26	Power Aggregation Operators and VIKOR Methods for Complex q-Rung Orthopair Fuzzy Sets and Their Applications. <i>Mathematics</i> , 2020, 8, 538.	1.1	64
27	Entropy measure and TOPSIS method based on correlation coefficient using complex q-rung orthopair fuzzy information and its application to multi-attribute decision making. <i>Soft Computing</i> , 2021, 25, 1249-1275.	2.1	60
28	The distance measures and cross-entropy based on complex fuzzy sets and their application in decision making. <i>Journal of Intelligent and Fuzzy Systems</i> , 2020, 39, 3351-3374.	0.8	58
29	Algorithms for complex interval-valued q-rung orthopair fuzzy sets in decision making based on aggregation operators, <sc>AHP</sc> and <sc>TOPSIS</sc>. <i>Expert Systems</i> , 2021, 38, .	2.9	56
30	Cubic Hesitant Fuzzy Sets and Their Applications to Multi Criteria Decision Making. <i>International Journal of Algebra and Statistics</i> , 2016, 5, 19.	0.7	55
31	Cleaner Production Evaluation in Gold Mines Using Novel Distance Measure Method with Cubic Picture Fuzzy Numbers. <i>International Journal of Fuzzy Systems</i> , 2019, 21, 2448-2461.	2.3	54
32	Multi-Attribute Multi-Perception Decision-Making Based on Generalized T-Spherical Fuzzy Weighted Aggregation Operators on Neutrosophic Sets. <i>Mathematics</i> , 2019, 7, 780.	1.1	53
33	EDA Method for Multi-Criteria Group Decision Making Based on Intuitionistic Fuzzy Rough Aggregation Operators. <i>IEEE Access</i> , 2021, 9, 10199-10216.	2.6	51
34	Group Decision Making Based on Power Heronian Aggregation Operators Under Linguistic Neutrosophic Environment. <i>International Journal of Fuzzy Systems</i> , 2018, 20, 970-985.	2.3	49
35	Covering based q-rung orthopair fuzzy rough set model hybrid with TOPSIS for multi-attribute decision making. <i>Journal of Intelligent and Fuzzy Systems</i> , 2019, 37, 981-993.	0.8	49
36	On lattice ordered soft sets. <i>Applied Soft Computing Journal</i> , 2015, 36, 499-505.	4.1	47

#	ARTICLE	IF	CITATIONS
37	A Multi-Attribute Decision Making Process with Immediate Probabilistic Interactive Averaging Aggregation Operators of T-Spherical Fuzzy Sets and Its Application in the Selection of Solar Cells. <i>Energies</i> , 2019, 12, 4436.	1.6	47
38	Linear profile monitoring using EWMA structure under ranked set schemes. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 91, 2751-2775.	1.5	46
39	Alternative methods for the simultaneous monitoring of simple linear profile parameters. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 97, 2851-2871.	1.5	46
40	A graphical method for ranking Atanassov's intuitionistic fuzzy values using the uncertainty index and entropy. <i>International Journal of Intelligent Systems</i> , 2019, 34, 2692-2712.	3.3	43
41	Complex neutrosophic generalised dice similarity measures and their application to decision making. <i>CAAI Transactions on Intelligence Technology</i> , 2020, 5, 78-87.	3.4	42
42	Bipolar Complex Fuzzy Soft Sets and Their Applications in Decision-Making. <i>Mathematics</i> , 2022, 10, 1048.	1.1	41
43	Hybrid vector similarity measures based on complex hesitant fuzzy sets and their applications to pattern recognition and medical diagnosis. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021, 40, 625-646.	0.8	37
44	Generalized MULTIMOORA method and Dombi prioritized weighted aggregation operators based on T-spherical fuzzy sets and their applications. <i>International Journal of Intelligent Systems</i> , 2021, 36, 4659-4692.	3.3	37
45	Contact lenses coated with hybrid multifunctional ternary nanocoatings (Phytomolecule-coated ZnO) <i>Tj ETQq1 1 0.784314 rgBT /Over</i> <i>Biomaterialia</i> , 2021, 128, 262-276.	4.1	37
46	Several hybrid aggregation operators for triangular intuitionistic fuzzy set and their application in multi-criteria decision making. <i>Granular Computing</i> , 2018, 3, 153-168.	4.4	36
47	Pythagorean fuzzy soft rough sets and their applications in decision-making. <i>Journal of Taibah University for Science</i> , 2020, 14, 101-113.	1.1	36
48	Another View of Complex Intuitionistic Fuzzy Soft Sets Based on Prioritized Aggregation Operators and Their Applications to Multiattribute Decision Making. <i>Mathematics</i> , 2021, 9, 1922.	1.1	36
49	Psychosocial Barriers of Public Transport Use and Social Exclusion among Older Adults: Empirical Evidence from Lahore, Pakistan. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 185.	1.2	36
50	Multi-Attribute Decision-Making Based on Prioritized Aggregation Operator under Hesitant Intuitionistic Fuzzy Linguistic Environment. <i>Symmetry</i> , 2017, 9, 270.	1.1	35
51	A progressive approach to joint monitoring of process parameters. <i>Computers and Industrial Engineering</i> , 2018, 115, 253-268.	3.4	35
52	Some Similarity Measures for Interval-Valued Picture Fuzzy Sets and Their Applications in Decision Making. <i>Information (Switzerland)</i> , 2019, 10, 369.	1.7	33
53	GLM-Based Flexible Monitoring Methods: An Application to Real-Time Highway Safety Surveillance. <i>Symmetry</i> , 2021, 13, 362.	1.1	33
54	Applications of improved spherical fuzzy Dombi aggregation operators in decision support system. <i>Soft Computing</i> , 2021, 25, 9097-9119.	2.1	33

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55	Rough Pythagorean fuzzy ideals in semigroups. <i>Computational and Applied Mathematics</i> , 2019, 38, 1.	1.0	32
56	Decision making based on interval-valued complex single-valued neutrosophic hesitant fuzzy generalized hybrid weighted averaging operators. <i>Journal of Intelligent and Fuzzy Systems</i> , 2020, 38, 4359-4401.	0.8	32
57	Some Interval Neutrosophic Dombi Power Bonferroni Mean Operators and Their Application in Multi-Attribute Decision Making. <i>Symmetry</i> , 2018, 10, 459.	1.1	31
58	Some Root Level Modifications in Interval Valued Fuzzy Graphs and Their Generalizations Including Neutrosophic Graphs. <i>Mathematics</i> , 2019, 7, 72.	1.1	31
59	A method to multi-attribute decision making technique based on Dombi aggregation operators under bipolar complex fuzzy information. <i>Computational and Applied Mathematics</i> , 2022, 41, 1.	1.0	30
60	Intuitionistic fuzzy graphs of nth type with applications. <i>Journal of Intelligent and Fuzzy Systems</i> , 2019, 36, 3923-3932.	0.8	29
61	Generalized dice similarity measures for complex q-Rung Orthopair fuzzy sets and its application. <i>Complex & Intelligent Systems</i> , 2021, 7, 667-686.	4.0	29
62	Algorithm for T-spherical fuzzy MADM based on associated immediate probability interactive geometric aggregation operators. <i>Artificial Intelligence Review</i> , 2021, 54, 6033-6061.	9.7	28
63	Interval Valued T-Spherical Fuzzy Information Aggregation Based on Dombi t-Norm and Dombi t-Conorm for Multi-Attribute Decision Making Problems. <i>Symmetry</i> , 2021, 13, 1053.	1.1	28
64	Group Decision-Making Using Complex q-Rung Orthopair Fuzzy Bonferroni Mean. <i>International Journal of Computational Intelligence Systems</i> , 2020, 13, 822.	1.6	28
65	Bipolar Complex Fuzzy Hamacher Aggregation Operators and Their Applications in Multi-Attribute Decision Making. <i>Mathematics</i> , 2022, 10, 23.	1.1	28
66	Multiple-attribute decision making based on single-valued neutrosophic Schweizer-Sklar prioritized aggregation operator. <i>Cognitive Systems Research</i> , 2019, 57, 175-196.	1.9	25
67	Power Aggregation Operators and Similarity Measures Based on Improved Intuitionistic Hesitant Fuzzy Sets and their Applications to Multiple Attribute Decision Making. <i>CMES - Computer Modeling in Engineering and Sciences</i> , 2021, 126, 1165-1187.	0.8	25
68	Interval-Valued Picture Uncertain Linguistic Generalized Hamacher Aggregation Operators and Their Application in Multiple Attribute Decision-Making Process. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 10153-10170.	1.7	25
69	Picture Fuzzy N-Soft Sets and Their Applications in Decision-Making Problems. <i>Fuzzy Information and Engineering</i> , 2021, 13, 335-367.	1.0	25
70	On the extended use of auxiliary information under skewness correction for process monitoring. <i>Transactions of the Institute of Measurement and Control</i> , 2017, 39, 883-897.	1.1	24
71	Multi-valued picture fuzzy soft sets and their applications in group decision-making problems. <i>Soft Computing</i> , 2020, 24, 18857-18879.	2.1	24
72	Generalized dice similarity measures for q-rung orthopair fuzzy sets with applications. <i>Complex & Intelligent Systems</i> , 2020, 6, 545-558.	4.0	24

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73	Some Geometric Aggregation Operators Under q-Rung Orthopair Fuzzy Soft Information With Their Applications in Multi-Criteria Decision Making. <i>IEEE Access</i> , 2021, 9, 31975-31993.	2.6	24
74	Some T-Spherical Fuzzy Einstein Interactive Aggregation Operators and Their Application to Selection of Photovoltaic Cells. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-16.	0.6	23
75	Frank aggregation operators and analytic hierarchy process based on interval-valued picture fuzzy sets and their applications. <i>International Journal of Intelligent Systems</i> , 2021, 36, 7925-7962.	3.3	23
76	A novel complex fuzzy N-soft sets and their decision-making algorithm. <i>Complex & Intelligent Systems</i> , 2021, 7, 2255-2280.	4.0	22
77	Generalized roughness in fuzzy filters and fuzzy ideals with thresholds in ordered semigroups. <i>Computational and Applied Mathematics</i> , 2018, 37, 5013-5033.	1.3	21
78	Cubic q-Rung Orthopair Fuzzy Heronian Mean Operators and Their Applications to Multi-Attribute Group Decision Making. <i>Mathematics</i> , 2020, 8, 1125.	1.1	21
79	Jaccard and Dice Similarity Measures Based on Novel Complex Dual Hesitant Fuzzy Sets and Their Applications. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-25.	0.6	21
80	Aggregation operators and VIKOR method based on complex q-rung orthopair uncertain linguistic informations and their applications in multi-attribute decision making. <i>Computational and Applied Mathematics</i> , 2020, 39, 1.	1.0	21
81	Spherical Fuzzy Sets-Based Cosine Similarity and Information Measures for Pattern Recognition and Medical Diagnosis. <i>IEEE Access</i> , 2021, 9, 25835-25842.	2.6	21
82	Neutrality aggregation operators based on complex q-rung orthopair fuzzy sets and their applications in multiattribute decision-making problems. <i>International Journal of Intelligent Systems</i> , 2022, 37, 1010-1051.	3.3	21
83	On Bipolar Anti Fuzzy h-ideals in Hemi-rings. <i>Fuzzy Information and Engineering</i> , 2017, 9, 1-19.	1.0	20
84	An Approach Towards Decision-Making and Shortest Path Problems Based on T-Spherical Fuzzy Information. <i>International Journal of Fuzzy Systems</i> , 2020, 22, 1521-1534.	2.3	20
85	Some average aggregation operators based on spherical fuzzy soft sets and their applications in multi-criteria decision making. <i>AIMS Mathematics</i> , 2021, 6, 7798-7832.	0.7	20
86	CHFS: Complex hesitant fuzzy sets and their applications to decision making with different and innovative distance measures. <i>CAAI Transactions on Intelligence Technology</i> , 2021, 6, 93-122.	3.4	20
87	Complex pythagorean fuzzy aggregation operators based on confidence levels and their applications. <i>Mathematical Biosciences and Engineering</i> , 2021, 19, 1078-1107.	1.0	20
88	Identification and Classification of Aggregation Operators Using Bipolar Complex Fuzzy Settings and Their Application in Decision Support Systems. <i>Mathematics</i> , 2022, 10, 1726.	1.1	20
89	Group decision making based on power Heronian aggregation operators under neutrosophic cubic environment. <i>Soft Computing</i> , 2020, 24, 1971-1997.	2.1	19
90	Generalized complex q-rung orthopair fuzzy Einstein averaging aggregation operators and their application in multi-attribute decision making. <i>Complex & Intelligent Systems</i> , 2021, 7, 511-538.	4.0	19

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91	Multiple Attribute Group Decision Making Based on 2-Tuple Linguistic Neutrosophic Dombi Power Heronian Mean Operators. IEEE Access, 2019, 7, 100205-100230.	2.6	18
92	Memory type control charts with inverse-Gaussian response: An application to yarn manufacturing industry. Transactions of the Institute of Measurement and Control, 2021, 43, 656-678.	1.1	18
93	Some Novel Cosine Similarity Measures Based on Complex Hesitant Fuzzy Sets and Their Applications. Journal of Mathematics, 2021, 2021, 1-20.	0.5	18
94	Application of Interval Neutrosophic Power Hamy Mean Operators in MAGDM. Informatica, 2019, 30, 293-325.	1.5	18
95	Analysis of social networks and Wi-Fi networks by using the concept of picture fuzzy graphs. Soft Computing, 2020, 24, 16551-16563.	2.1	17
96	Interdependency of Complex Fuzzy Neighborhood Operators and Derived Complex Fuzzy Coverings. IEEE Access, 2021, 9, 73506-73521.	2.6	17
97	The pandemic paradox: domestic violence and happiness of women. PeerJ, 2020, 8, e10472.	0.9	17
98	Some Dombi aggregation operators based on complex q-rung orthopair fuzzy sets and their application to multi-attribute decision making. Computational and Applied Mathematics, 2022, 41, 1.	1.0	17
99	An approach towards decision making and shortest path problems using the concepts of interval-valued Pythagorean fuzzy information. International Journal of Intelligent Systems, 2019, 34, 2403-2428.	3.3	16
100	A New Subclass of Analytic Functions Defined by Using Salagean q-Differential Operator. Mathematics, 2019, 7, 458.	1.1	16
101	Some improved pythagorean fuzzy Dombi power aggregation operators with application in multiple-attribute decision making. Journal of Intelligent and Fuzzy Systems, 2021, 40, 9237-9257.	0.8	16
102	Hamy Mean Operators Based on Complex q-Rung Orthopair Fuzzy Setting and Their Application in Multi-Attribute Decision Making. Mathematics, 2021, 9, 2312.	1.1	16
103	Exponential and non-Exponential Based Generalized Similarity Measures for Complex Hesitant Fuzzy Sets with Applications. Fuzzy Information and Engineering, 2020, 12, 38-70.	1.0	16
104	Control Charts for Process Dispersion Parameter under Contaminated Normal Environments. Quality and Reliability Engineering International, 2016, 32, 2481-2490.	1.4	15
105	Some single-valued neutrosophic power muirhead mean operators and their application to group decision making. Journal of Intelligent and Fuzzy Systems, 2019, 37, 2515-2537.	0.8	15
106	Some Generalized T-Spherical and Group-Generalized Fuzzy Geometric Aggregation Operators with Application in MADM Problems. Journal of Mathematics, 2021, 2021, 1-17.	0.5	15
107	Three-Way Decisions Based on Q-Rung Orthopair Fuzzy 2-Tuple Linguistic Sets with Generalized Maclaurin Symmetric Mean Operators. Mathematics, 2021, 9, 1387.	1.1	15
108	Novel Complex T-Spherical Fuzzy 2-Tuple Linguistic Muirhead Mean Aggregation Operators and Their Application to Multi-Attribute Decision-Making. International Journal of Computational Intelligence Systems, 2021, 14, 295.	1.6	15

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109	On Enhanced GLM-Based Monitoring: An Application to Additive Manufacturing Process. <i>Symmetry</i> , 2022, 14, 122.	1.1	15
110	Group Decision-Making Method Under Hesitant Interval Neutrosophic Uncertain Linguistic Environment. <i>International Journal of Fuzzy Systems</i> , 2018, 20, 2337-2353.	2.3	14
111	A study of generalized roughness in -fuzzy filters of ordered semigroups. <i>Journal of Taibah University for Science</i> , 2018, 12, 163-172.	1.1	14
112	A novel approach of complex q-rung orthopair fuzzy hamacher aggregation operators and their application for cleaner production assessment in gold mines. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2021, 12, 8933-8959.	3.3	14
113	Complex q-Rung Orthopair Uncertain Linguistic Partitioned Bonferroni Mean Operators with Application in Antivirus Mask Selection. <i>Symmetry</i> , 2021, 13, 249.	1.1	14
114	Complex picture fuzzy N-soft sets and their decision-making algorithm. <i>Soft Computing</i> , 2021, 25, 13657-13678.	2.1	14
115	Efficient GLM-based control charts for Poisson processes. <i>Quality and Reliability Engineering International</i> , 2022, 38, 389-404.	1.4	14
116	The generalized linear model-based exponentially weighted moving average and cumulative sum charts for the monitoring of high-quality processes. <i>Applied Stochastic Models in Business and Industry</i> , 2021, 37, 703-724.	0.9	13
117	Heronian Mean Operators Based on Novel Complex Linear Diophantine Uncertain Linguistic Variables and Their Applications in Multi-Attribute Decision Making. <i>Mathematics</i> , 2021, 9, 2730.	1.1	13
118	Characterizations of hemirings by $\frac{x+y}{x} = y$ $\frac{xy}{x} = y$ $\frac{xy}{y} = x$ $\frac{x}{xy} = y$ $\frac{y}{xy} = x$ $\frac{xy}{x^2} = y$ $\frac{xy}{y^2} = x$ $\frac{xy}{xy^2} = x$ $\frac{xy^2}{xy} = y$ $\frac{x^2y}{xy} = x$ $\frac{xy^2y}{xy} = y$ $\frac{xy^2xy}{xy} = xy$ $\frac{x^2y^2}{xy} = xy$ $\frac{xy^2xy^2}{xy} = xy^2$ $\frac{xy^2xy^2xy}{xy} = xy^2xy$ $\frac{xy^2xy^2xy^2}{xy} = xy^2xy^2$ $\frac{xy^2xy^2xy^2xy^2}{xy} = xy^2xy^2xy^2$ $\frac{xy^2xy^2xy^2xy^2xy^2}{xy} = xy^2xy^2xy^2xy^2$ $\frac{xy^2xy^2xy^2xy^2xy^2xy^2}{xy} = xy^2xy^2xy^2xy^2xy^2$	1.4	12
119	Analysis of Social Networks, Communication Networks and Shortest Path Problems in the Environment of Interval-Valued q-Rung Ortho Pair Fuzzy Graphs. <i>International Journal of Fuzzy Systems</i> , 2019, 21, 1687-1708.	2.3	12
120	Methods for multi-attribute decision making, pattern recognition and clustering based on T-spherical fuzzy information measures. <i>Journal of Intelligent and Fuzzy Systems</i> , 2022, 42, 2957-2977.	0.8	12
121	Identification and Prioritization of DevOps Success Factors Using Bipolar Complex Fuzzy Setting With Frank Aggregation Operators and Analytical Hierarchy Process. <i>IEEE Access</i> , 2022, 10, 74702-74721.	2.6	12
122	An Improved S ² Control Chart for Cost and Efficiency Optimization. <i>IEEE Access</i> , 2017, 5, 19486-19493.	2.6	11
123	Cubic bipolar fuzzy graphs with applications. <i>Journal of Intelligent and Fuzzy Systems</i> , 2019, 37, 2289-2307.	0.8	11
124	Multiple attribute decision making method under linguistic cubic information. <i>Journal of Intelligent and Fuzzy Systems</i> , 2019, 36, 253-269.	0.8	11
125	Multi-criteria decision-making algorithm based on aggregation operators under the complex interval-valued q-rung orthopair uncertain linguistic information. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021, 41, 1627-1656.	0.8	11
126	Multi-attribute group decision-making based on Bonferroni mean operators for picture hesitant fuzzy numbers. <i>Soft Computing</i> , 2021, 25, 13315-13351.	2.1	11

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127	Cubic q-Rung Orthopair Fuzzy Linguistic Set and Their Application to Multiattribute Decision-making with Muirhead Mean Operator. , 2021, 1, 37-50.		11
128	Spherical Fuzzy Soft Rough Average Aggregation Operators and Their Applications to Multi-Criteria Decision Making. IEEE Access, 2022, 10, 27832-27852.	2.6	11
129	Power Muirhead Mean Operators for Interval-Valued Linear Diophantine Fuzzy Sets and Their Application in Decision-Making Strategies. Mathematics, 2022, 10, 70.	1.1	11
130	Interval neutrosophic finite switchboard state machine. Afrika Matematika, 2016, 27, 1361-1376.	0.4	10
131	Efficient monitoring of coefficient of variation with an application to chemical reactor process. Quality and Reliability Engineering International, 2021, 37, 1135-1149.	1.4	10
132	Some Similarity and Distance Measures between Complex Interval-Valued q-Rung Orthopair Fuzzy Sets Based on Cosine Function and their Applications. Mathematical Problems in Engineering, 2021, 2021, 1-25.	0.6	10
133	A Novel Approach of Complex Dual Hesitant Fuzzy Sets and Their Applications in Pattern Recognition and Medical Diagnosis. Journal of Mathematics, 2021, 2021, 1-31.	0.5	10
134	Novel Hamacher Aggregation Operators Based on Complex T-Spherical Fuzzy Numbers for Cleaner Production Evaluation in Gold Mines. International Journal of Fuzzy Systems, 2022, 24, 2333-2353.	2.3	10
135	Decision-making strategy based on Archimedean Bonferroni mean operators under complex Pythagorean fuzzy information. Computational and Applied Mathematics, 2022, 41, .	1.0	10
136	On Reassessment of the HWMA Chart for Process Monitoring. Processes, 2022, 10, 1129.	1.3	10
137	Neutrosophic Cubic Power Muirhead Mean Operators with Uncertain Data for Multi-Attribute Decision-Making. Symmetry, 2018, 10, 444.	1.1	9
138	Some Generalized Dice Measures for Double-Valued Neutrosophic Sets and Their Applications. Mathematics, 2018, 6, 121.	1.1	9
139	Interval Valued T-Spherical Fuzzy Soft Average Aggregation Operators and Their Applications in Multiple-Criteria Decision Making. Symmetry, 2021, 13, 829.	1.1	9
140	Approach to Multi-Attribute Decision-Making Methods for Performance Evaluation Process Using Interval-Valued T-Spherical Fuzzy Hamacher Aggregation Information. Axioms, 2021, 10, 145.	0.9	9
141	Analysis of double domination by using the concept of spherical fuzzy information with application. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 1147-1162.	3.3	9
142	Some Cosine Similarity Measures and Distance Measures between Complex q-Rung Orthopair Fuzzy Sets and Their Applications. International Journal of Computational Intelligence Systems, 2021, 14, 1653.	1.6	9
143	Current perspective on diagnosis, epidemiological assessment, prevention strategies, and potential therapeutic interventions for severe acute respiratory infections caused by 2019 novel coronavirus (SARS-CoV-2). Human Vaccines and Immunotherapeutics, 2020, 16, 3001-3010.	1.4	8
144	Group-based generalized q-rung orthopair average aggregation operators and their applications in multi-criteria decision making. Complex & Intelligent Systems, 2021, 7, 123-144.	4.0	8

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145	Some Complex Intuitionistic Uncertain Linguistic Heronian Mean Operators and Their Application in Multiattribute Group Decision Making. <i>Journal of Mathematics</i> , 2021, 2021, 1-31.	0.5	8
146	Complex q-rung orthopair fuzzy Schweizer–Sklar Muirhead mean aggregation operators and their application in multi-criteria decision-making. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021, 40, 11287-11309.	0.8	8
147	A new multivariate CUSUM chart for monitoring of covariance matrix with individual observations under estimated parameter. <i>Quality and Reliability Engineering International</i> , 2022, 38, 834-847.	1.4	8
148	The cross-entropy and improved distance measures for complex q-rung orthopair hesitant fuzzy sets and their applications in multi-criteria decision-making. <i>Complex & Intelligent Systems</i> , 2022, 8, 1167-1186.	4.0	8
149	Complex q-rung orthopair fuzzy competition graphs and their applications. <i>Electronic Research Archive</i> , 2022, 30, 1558-1605.	0.4	8
150	Arabinoxylan Isolated from Ispaghula Husk: A Better Alternative to Commercially Available Gelling Agents. <i>Asian Journal of Chemistry</i> , 2014, 26, 8366-8370.	0.1	7
151	Generalized Hamacher Aggregation Operators Based on Linear Diophantine Uncertain Linguistic Setting and Their Applications in Decision-Making Problems. <i>IEEE Access</i> , 2021, 9, 126748-126764.	2.6	7
152	IQR CUSUM charts: An efficient approach for monitoring variations in aquatic toxicity. <i>Journal of Chemometrics</i> , 2021, 35, e3336.	0.7	7
153	On the multivariate progressive control chart for effective monitoring of covariance matrix. <i>Quality and Reliability Engineering International</i> , 2021, 37, 2724-2737.	1.4	7
154	Failure rate monitoring in generalized gamma-distributed process. <i>Quality Technology and Quantitative Management</i> , 2021, 18, 718-739.	1.1	7
155	Linear Diophantine Uncertain Linguistic Power Einstein Aggregation Operators and Their Applications to Multiattribute Decision Making. <i>Complexity</i> , 2021, 2021, 1-25.	0.9	7
156	Decision-Making Based on q-Rung Orthopair Fuzzy Soft Rough Sets. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-21.	0.6	7
157	Complex q-Rung Orthopair Fuzzy Variation Co-efficient Similarity Measures and their Approach in Medical Diagnosis and Pattern Recognition. <i>Scientia Iranica</i> , 2020, .	0.3	7
158	Power Aggregation Operators Based on t-Norm and t-Conorm under the Complex Intuitionistic Fuzzy Soft Settings and Their Application in Multi-Attribute Decision Making. <i>Symmetry</i> , 2021, 13, 1986.	1.1	7
159	On the improved generalized linear model-based monitoring methods for Poisson distributed processes. <i>Concurrency Computation Practice and Experience</i> , 2022, 34, .	1.4	7
160	Complex Interval-Valued q-Rung Orthopair Fuzzy Hamy Mean Operators and Their Application in Decision-Making Strategy. <i>Symmetry</i> , 2022, 14, 592.	1.1	7
161	On the location-based memory type control charts under modified successive sampling scheme. <i>Quality and Reliability Engineering International</i> , 0, , .	1.4	7
162	A Novel Approach Toward TOPSIS Method Based on Lattice Ordered T-Bipolar Soft Sets and Their Applications. <i>IEEE Access</i> , 2022, 10, 69727-69740.	2.6	7

#	ARTICLE	IF	CITATIONS
163	A method to multiattribute decision making problems under interaction aggregation operators based on complex Pythagorean fuzzy soft settings and their applications. Computational and Applied Mathematics, 2022, 41, .	1.0	7
164	Janowski Type q-Convex and q-Close-to-Convex Functions Associated with q-Conic Domain. Mathematics, 2020, 8, 440.	1.1	6
165	An Intelligent and Robust Framework towards Anomaly Detection, Medical Diagnosis, and Shortest Path Problems Based on Interval-Valued T-Spherical Fuzzy Information. Mathematical Problems in Engineering, 2020, 2020, 1-23.	0.6	6
166	A communicative property with its industrial applications. Quality and Reliability Engineering International, 2017, 33, 2761-2763.	1.4	5
167	New Logarithmic Operational Laws-Based Complex q-Rung Orthopair Fuzzy Aggregation Operators and Their Application in Decision-Making Process. Complexity, 2021, 2021, 1-32.	0.9	5
168	Analysis and Applications of Bonferroni Mean Operators and TOPSIS Method in Complete Cubic Intuitionistic Complex Fuzzy Information Systems. Symmetry, 2022, 14, 533.	1.1	5
169	Characterizations of hemirings by $(\overline{\text{varvec}\{in\}}, \overline{\text{varvec}\{in\}} \vee) T_j \text{ETQq}1 \ 1 \ 0.784314 \ \text{rgBT} / \text{Overlock} \ 10 \ T_f \ 50 \ 50 \ 2 \ 3,2$	3.2	4
170	Seasonal Activity of Tick Infestation in Goats and Buffalo of Punjab Province (District Sargodha), Pakistan. Kafkas Universitesi Veteriner Fakultesi Dergisi, 2014, , .	0.0	4
171	Correlation Coefficient and Entropy Measures Based on Complex Dual Type-2 Hesitant Fuzzy Sets and Their Applications. Journal of Mathematics, 2021, 2021, 1-34.	0.5	4
172	Order- α Divergence Measures and Aggregation Operators Based on Complex q-Rung Orthopair Normal Fuzzy Sets and Their Application to Multi-Attribute Decision-Making. International Journal of Computational Intelligence Systems, 2021, 14, 1895.	1.6	4
173	Effect of meteorological factors on the COVID-19 cases: a case study related to three major cities of the Kingdom of Saudi Arabia. Environmental Science and Pollution Research, 2022, 29, 21811-21825.	2.7	4
174	Methods for Detecting COVID-19 Patients Using Interval-Valued T-Spherical Fuzzy Relations and Information Measures. International Journal of Information Technology and Decision Making, 2023, 22, 1033-1060.	2.3	4
175	Complex Interval-Valued q-Rung Orthopair 2-Tuple Linguistic Aggregation Operators and Their Application in Multi-Attribute Decision-Making. Applied Artificial Intelligence, 2022, 36, .	2.0	4
176	q-Rung orthopair fuzzy soft aggregation operators based on Dombi t-norm and t-conorm with their applications in decision making. Journal of Intelligent and Fuzzy Systems, 2022, 43, 5685-5702.	0.8	4
177	Fuzzy soft set over a fuzzy topological space. International Journal of Machine Learning and Cybernetics, 2016, 7, 491-499.	2.3	3
178	Coefficient Bounds for Certain Subclasses of q-Starlike Functions. Mathematics, 2019, 7, 969.	1.1	3
179	MADM Based on Generalized Interval Neutrosophic Schweizer-Sklar Prioritized Aggregation Operators. Symmetry, 2019, 11, 1187.	1.1	3
180	Some results on lattice ordered double framed soft semirings. International Journal of Algebra and Statistics, 2018, 7, 123-140.	0.7	3

#	ARTICLE	IF	CITATIONS
181	Novel Complex T-Spherical Dual Hesitant Uncertain Linguistic Muirhead Mean Operators and Their Application in Decision-Making. CMES - Computer Modeling in Engineering and Sciences, 2021, 129, 849-880.	0.8	3
182	Analysis of medical diagnosis based on variation co-efficient similarity measures under picture hesitant fuzzy sets and their application. Mathematical Biosciences and Engineering, 2021, 19, 855-872.	1.0	3
183	Analyzing and controlling computer security threats based on complex q-rung orthopair fuzzy heronian mean operators. Journal of Intelligent and Fuzzy Systems, 2021, 41, 6949-6981.	0.8	3
184	A Multi-MOORA decision making method based on Muirhead mean operators and complex spherical fuzzy uncertain linguistic setting. Journal of Intelligent and Fuzzy Systems, 2021, 41, 7485-7510.	0.8	2
185	Picture Hesitant Fuzzy Clustering Based on Generalized Picture Hesitant Fuzzy Distance Measures. Knowledge, 2021, 1, 40-51.	0.7	2
186	An Advanced Study on the Bonferroni Mean Operators for Managing Cubic Intuitionistic Complex Fuzzy Soft Settings and Their Applications in Decision Making. IEEE Access, 2022, 10, 58689-58721.	2.6	2
187	Another view on knowledge measures in atanassov intuitionistic fuzzy sets. Soft Computing, 0, , .	2.1	2
188	On interval-valued $(\text{in}_{\{\gamma\}}, \text{in}_{\{\gamma\}} \vee q_{\{\delta\}})$ -fuzzy k-ideals in hemirings. Neural Computing and Applications, 2012, 21, 231-244.	3.2	1
189	Schweizerâ€™Sklar Muirhead Mean Aggregation Operators Based on Pythagorean Fuzzy Sets and Their Application in Multi-criteria Decision-Making. , 2021, , 235-259.		1
190	Flexible Monitoring Methods for High-yield Processes. , 2021, , 45-63.		1
191	TOPSIS Method and Similarity Measures Based on Cosine Function Using Picture Hesitant Fuzzy Sets and its Applications to Strategic Decision Making. Fuzzy Information and Engineering, 0, , 1-23.	1.0	1
192	Confidence levels under complex q-rung orthopair fuzzy aggregation operators and their applications. Journal of Intelligent and Fuzzy Systems, 2022, , 1-23.	0.8	1
193	A method to multi-attribute decision making problems by using heronian mean operators based on linear diophantine uncertain linguistic settings. Journal of Intelligent and Fuzzy Systems, 2022, 42, 5291-5319.	0.8	1
194	Power Bonferroni mean operators under complex pythagorean fuzzy settings and their applications in decision-making problems. Journal of Intelligent and Fuzzy Systems, 2022, 43, 1103-1121.	0.8	1
195	Decision-making strategy based on Heronian mean operators for managing complex interval-valued intuitionistic uncertain linguistic settings and their applications. AIMS Mathematics, 2022, 7, 13595-13632.	0.7	1
196	A Multi-attribute Decision Making Method for the Evaluation of Software Enterprise Based on T-Spherical Fuzzy Dombi Aggregation Information. Lecture Notes in Networks and Systems, 2022, , 714-722.	0.5	1
197	NSPP: A Novel algorithm for neutrosophic shortest path problem. , 2020, , .		0
198	Application of Single-Valued Neutrosophic Power Maclaurin Symmetric Mean Operators in MADM. Advances in Intelligent Systems and Computing, 2021, , 328-354.	0.5	0