Tahir Mahmood

List of Publications by Citations

185 papers	3,395 citations	33 h-index	51 g-index
200 ext. papers	4,624 ext. citations	2.9 avg, IF	6.93 L-index

#	Paper	IF	Citations
185	An approach toward decision-making and medical diagnosis problems using the concept of spherical fuzzy sets. *Neural Computing and Applications*, **2019**, 31, 7041-7053	4.8	234
184	Spherical fuzzy sets and their applications in multi-attribute decision making problems. *Journal of Intelligent and Fuzzy Systems*, **2019**, 36, 2829-2844	1.6	137
183	Different Approaches to Multi-Criteria Group Decision Making Problems for Picture Fuzzy Environment. *Bulletin of the Brazilian Mathematical Society*, **2019**, 50, 373-397	1.2	111
182	On some distance measures of complex Pythagorean fuzzy sets and their applications in pattern recognition. *Complex & Intelligent Systems*, **2020**, 6, 15-27	7.1	111
181	Correlation coefficients for T-spherical fuzzy sets and their applications in clustering and multi-attribute decision making. *Soft Computing*, **2020**, 24, 1647-1659	3.5	87
180	A Novel Approach towards Bipolar Soft Sets and Their Applications. *Journal of Mathematics*, **2020**, 2020, 1-11	1.2	79
179	Similarity Measures for T-Spherical Fuzzy Sets with Applications in Pattern Recognition. *Symmetry*, **2018**, 10, 193	2.7	72
178	Spherical fuzzy Dombi aggregation operators and their application in group decision making problems. *Journal of Ambient Intelligence and Humanized Computing*, **2020**, 11, 2731-2749	3.7	72
177	Einstein Geometric Aggregation Operators using a Novel Complex Interval-valued Pythagorean Fuzzy Setting with Application in Green Supplier Chain Management. *Reports in Mechanical Engineering*, **2021**, 2, 105-134	9.3	71
176	The cosine similarity measures of spherical fuzzy sets and their applications in decision making. *Journal of Intelligent and Fuzzy Systems*, **2019**, 36, 6059-6073	1.6	65
175	Algorithm for T-Spherical Fuzzy Multi-Attribute Decision Making Based on Improved Interactive Aggregation Operators. *Symmetry*, **2018**, 10, 670	2.7	64
174	T-Spherical Fuzzy Power Muirhead Mean Operator Based on Novel Operational Laws and Their Application in Multi-Attribute Group Decision Making. *IEEE Access*, **2019**, 7, 22613-22632	3.5	61
173	Covering-Based Spherical Fuzzy Rough Set Model Hybrid with TOPSIS for Multi-Attribute Decision-Making. *Symmetry*, **2019**, 11, 547	2.7	61
172	Evaluation of Investment Policy Based on Multi-Attribute Decision-Making Using Interval Valued T-Spherical Fuzzy Aggregation Operators. *Symmetry*, **2019**, 11, 357	2.7	60
171	Complex q-Rung Orthopair Fuzzy Aggregation Operators and Their Applications in Multi-Attribute Group Decision Making. *Information (Switzerland)*, **2020**, 11, 5	2.6	59
170	A Method to Multi-Attribute Group Decision-Making Problem with Complex q-Rung Orthopair Linguistic Information Based on Heronian Mean Operators. *International Journal of Computational Intelligence Systems*, **2019**, 12, 1465	3.4	58
169	Evaluation of the Performance of Search and Rescue Robots Using T-spherical Fuzzy Hamacher Aggregation Operators. *International Journal of Fuzzy Systems*, **2020**, 22, 570-582	3.6	54

168	Complex T-Spherical Fuzzy Aggregation Operators with Application to Multi-Attribute Decision Making. *Symmetry*, **2020**, 12, 1311	2.7	53
167	Power Aggregation Operators and VIKOR Methods for Complex q-Rung Orthopair Fuzzy Sets and Their Applications. *Mathematics*, **2020**, 8, 538	2.3	50
166	TOPSIS Method Based on Complex Spherical Fuzzy Sets with Bonferroni Mean Operators. *Mathematics*, **2020**, 8, 1739	2.3	50
165	T-Spherical Fuzzy Einstein Hybrid Aggregation Operators and Their Applications in Multi-Attribute Decision Making Problems. *Symmetry*, **2020**, 12, 365	2.7	45
164	GRA method based on spherical linguistic fuzzy Choquet integral environment and its application in multi-attribute decision-making problems. *Mathematical Sciences*, **2018**, 12, 263-275	1.6	45
163	q-Rung orthopair fuzzy soft average aggregation operators and their application in multicriteria decision-making. *International Journal of Intelligent Systems*, **2020**, 35, 571-599	8.4	43
162	Maclaurin symmetric mean operators and their applications in the environment of complex q-rung orthopair fuzzy sets. *Computational and Applied Mathematics*, **2020**, 39, 1	2.4	42
161	Cubic Hesitant Fuzzy Sets and Their Applications to Multi Criteria Decision Making. *International Journal of Algebra and Statistics*, **2016**, 5, 19	0	42
160	Linear profile monitoring using EWMA structure under ranked set schemes. *International Journal of Advanced Manufacturing Technology*, **2017**, 91, 2751-2775	3.2	39
159	Group Decision Making Based on Power Heronian Aggregation Operators Under Linguistic Neutrosophic Environment. *International Journal of Fuzzy Systems*, **2018**, 20, 970-985	3.6	39
158	Cleaner Production Evaluation in Gold Mines Using Novel Distance Measure Method with Cubic Picture Fuzzy Numbers. *International Journal of Fuzzy Systems*, **2019**, 21, 2448-2461	3.6	36
157	Multi-Attribute Multi-Perception Decision-Making Based on Generalized T-Spherical Fuzzy Weighted Aggregation Operators on Neutrosophic Sets. *Mathematics*, **2019**, 7, 780	2.3	35
156	On lattice ordered soft sets. *Applied Soft Computing Journal*, **2015**, 36, 499-505	7.5	35
155	Entropy measure and TOPSIS method based on correlation coefficient using complex q-rung orthopair fuzzy information and its application to multi-attribute decision making. *Soft Computing*, **2021**, 25, 1249-1275	3.5	35
154	A progressive approach to joint monitoring of process parameters. *Computers and Industrial Engineering*, **2018**, 115, 253-268	6.4	33
153	Covering based q-rung orthopair fuzzy rough set model hybrid with TOPSIS for multi-attribute decision making. *Journal of Intelligent and Fuzzy Systems*, **2019**, 37, 981-993	1.6	33
152	Alternative methods for the simultaneous monitoring of simple linear profile parameters. *International Journal of Advanced Manufacturing Technology*, **2018**, 97, 2851-2871	3.2	32
151	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. *Energies*, **2019**, 12, 4436	3.1	31

150	Complex neutrosophic generalised dice similarity measures and their application to decision making. *CAAI Transactions on Intelligence Technology*, **2020**, 5, 78-87	9.7	30
149	Several hybrid aggregation operators for triangular intuitionistic fuzzy set and their application in multi-criteria decision making. *Granular Computing*, **2018**, 3, 153-168	5.4	28
148	A graphical method for ranking Atanassov's intuitionistic fuzzy values using the uncertainty index and entropy. *International Journal of Intelligent Systems*, **2019**, 34, 2692-2712	8.4	27
147	Multi-Attribute Decision-Making Based on Prioritized Aggregation Operator under Hesitant Intuitionistic Fuzzy Linguistic Environment. *Symmetry*, **2017**, 9, 270	2.7	26
146	Algorithms for complex interval-valued q-rung orthopair fuzzy sets in decision making based on aggregation operators,AHP,andTOPSIS. *Expert Systems*, **2021**, 38,	2.1	26
145	T-spherical fuzzy power aggregation operators and their applications in multi-attribute decision making. *Journal of Ambient Intelligence and Humanized Computing*, **2021**, 12, 1-14	3.7	26
144	Group Decision-Making Using Complex q-Rung Orthopair Fuzzy Bonferroni Mean. *International Journal of Computational Intelligence Systems*, **2020**, 13, 822	3.4	25
143	Intuitionistic fuzzy graphs of nth type with applications. *Journal of Intelligent and Fuzzy Systems*, **2019**, 36, 3923-3932	1.6	22
142	Rough Pythagorean fuzzy ideals in semigroups. *Computational and Applied Mathematics*, **2019**, 38, 1	2.4	22
141	The distance measures and cross-entropy based on complex fuzzy sets and their application in decision making. *Journal of Intelligent and Fuzzy Systems*, **2020**, 39, 3351-3374	1.6	22
140	Some Interval Neutrosophic Dombi Power Bonferroni Mean Operators and Their Application in Multi-Attribute Decision-Making. *Symmetry*, **2018**, 10, 459	2.7	22
139	Pythagorean fuzzy soft rough sets and their applications in decision-making. *Journal of Taibah University for Science*, **2020**, 14, 101-113	3	21
138	Some Root Level Modifications in Interval Valued Fuzzy Graphs and Their Generalizations Including Neutrosophic Graphs. *Mathematics*, **2019**, 7, 72	2.3	21
137	EDAS Method for Multi-Criteria Group Decision Making Based on Intuitionistic Fuzzy Rough Aggregation Operators. *IEEE Access*, **2021**, 9, 10199-10216	3.5	21
136	Some Similarity Measures for Interval-Valued Picture Fuzzy Sets and Their Applications in Decision Making. *Information (Switzerland)*, **2019**, 10, 369	2.6	20
135	On the extended use of auxiliary information under skewness correction for process monitoring. *Transactions of the Institute of Measurement and Control*, **2017**, 39, 883-897	1.8	19
134	Decision making based on interval-valued complex single-valued neutrosophic hesitant fuzzy generalized hybrid weighted averaging operators. *Journal of Intelligent and Fuzzy Systems*, **2020**, 38, 4359-4401	1.6	19
133	Psychosocial Barriers of Public Transport Use and Social Exclusion among Older Adults: Empirical Evidence from Lahore, Pakistan. *International Journal of Environmental Research and Public Health*, **2020**, 18,	4.6	19

132	A novel approach towards bipolar complex fuzzy sets and their applications in generalized similarity measures. *International Journal of Intelligent Systems*,	8.4	19
131	Generalized roughness in fuzzy filters and fuzzy ideals with thresholds in ordered semigroups. *Computational and Applied Mathematics*, **2018**, 37, 5013-5033		17
130	Some T-Spherical Fuzzy Einstein Interactive Aggregation Operators and Their Application to Selection of Photovoltaic Cells. *Mathematical Problems in Engineering*, **2020**, 2020, 1-16	1.1	16
129	Generalized MULTIMOORA method and Dombi prioritized weighted aggregation operators based on T-spherical fuzzy sets and their applications. *International Journal of Intelligent Systems*, **2021**, 36, 4659-4692	8.4	16
128	Multiple-attribute decision making based on single-valued neutrosophic Schweizer-Sklar prioritized aggregation operator. *Cognitive Systems Research*, **2019**, 57, 175-196	4.8	16
127	Algorithm for T-spherical fuzzy MADM based on associated immediate probability interactive geometric aggregation operators. *Artificial Intelligence Review*,1	9.7	16
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124	Generalized dice similarity measures for complex q-Rung Orthopair fuzzy sets and its application. *Complex & Intelligent Systems*, **2021**, 7, 667-686	7.1	15
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119	An Approach Towards Decision-Making and Shortest Path Problems Based on T-Spherical Fuzzy Information. *International Journal of Fuzzy Systems*, **2020**, 22, 1521-1534	3.6	13
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117	Group decision making based on power Heronian aggregation operators under neutrosophic cubic environment. *Soft Computing*, **2020**, 24, 1971-1997	3.5	13
116	Group Decision-Making Method Under Hesitant Interval Neutrosophic Uncertain Linguistic Environment. *International Journal of Fuzzy Systems*, **2018**, 20, 2337-2353	3.6	12
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114	Interval Valued T-Spherical Fuzzy Information Aggregation Based on Dombi t-Norm and Dombi t-Conorm for Multi-Attribute Decision Making Problems. *Symmetry*, **2021**, 13, 1053	2.7	12
113	Another View of Complex Intuitionistic Fuzzy Soft Sets Based on Prioritized Aggregation Operators and Their Applications to Multiattribute Decision Making. *Mathematics*, **2021**, 9, 1922	2.3	12
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108	The pandemic paradox: domestic violence and happiness of women. *PeerJ*, **2020**, 8, e10472	3.1	11
107	Applications of improved spherical fuzzy Dombi aggregation operators in decision support system. *Soft Computing*, **2021**, 25, 9097-9119	3.5	11
106	Contact lenses coated with hybrid multifunctional ternary nanocoatings (Phytomolecule-coated ZnO nanoparticles:Gallic Acid:Tobramycin) for the treatment of bacterial and fungal keratitis. *Acta Biomaterialia*, **2021**, 128, 262-276	10.8	11
105	A study of generalized roughness in -fuzzy filters of ordered semigroups. *Journal of Taibah University for Science*, **2018**, 12, 163-172	3	11
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101	Analysis of social networks and Wi-Fi networks by using the concept of picture fuzzy graphs. *Soft Computing*, **2020**, 24, 16551-16563	3.5	9
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97	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	3.4	9

96	Multi-valued picture fuzzy soft sets and their applications in group decision-making problems. *Soft Computing*, **2020**, 24, 18857-18879	3.5	9
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82	Picture Fuzzy N-Soft Sets and Their Applications in Decision-Making Problems. *Fuzzy Information and Engineering*, **2021**, 13, 335-367	0.5	6
81	A novel approach of complex q-rung orthopair fuzzy hamacher aggregation operators and their application for cleaner production assessment in gold mines. *Journal of Ambient Intelligence and Humanized Computing*, **2021**, 12, 8933-8959	3.7	6
80	Interval-Valued Picture Uncertain Linguistic Generalized Hamacher Aggregation Operators and Their Application in Multiple Attribute Decision-Making Process. *Arabian Journal for Science and Engineering*, **2021**, 46, 10153-10170	2.5	6
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