Kifayat Ullah Khan

List of Publications by Year
in descending order

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85 papers	2,707 citations	236833 25 h-index	189801 50 g-index
85 all docs	85 docs citations	85 times ranked	840 citing authors

#	Article	IF	Citations
1	An approach toward decision-making and medical diagnosis problems using the concept of spherical fuzzy sets. Neural Computing and Applications, 2019, 31, 7041-7053.	3.2	477
2	On some distance measures of complex Pythagorean fuzzy sets and their applications in pattern recognition. Complex & Intelligent Systems, 2020, 6, 15-27.	4.0	231
3	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.	4.9	162
4	Correlation coefficients for T-spherical fuzzy sets and their applications in clustering and multi-attribute decision making. Soft Computing, 2020, 24, 1647-1659.	2.1	133
5	Similarity Measures for T-Spherical Fuzzy Sets with Applications in Pattern Recognition. Symmetry, 2018, 10, 193.	1.1	124
6	Algorithm for T-Spherical Fuzzy Multi-Attribute Decision Making Based on Improved Interactive Aggregation Operators. Symmetry, 2018, 10, 670.	1.1	100
7	Enhancing Digital Innovation for the Sustainable Transformation of Manufacturing Industry: A Pressure-State-Response System Framework to Perceptions of Digital Green Innovation and Its Performance for Green and Intelligent Manufacturing. Systems, 2022, 10, 72.	1.2	100
8	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.	2.3	92
9	Evaluation of Investment Policy Based on Multi-Attribute Decision-Making Using Interval Valued T-Spherical Fuzzy Aggregation Operators. Symmetry, 2019, 11, 357.	1.1	91
10	T-Spherical Fuzzy Einstein Hybrid Aggregation Operators and Their Applications in Multi-Attribute Decision Making Problems. Symmetry, 2020, 12, 365.	1.1	81
11	Numerical reckoning fixed points for Suzukiâ€™s generalized nonexpansive mappings via new iteration process. Filomat, 2018, 32, 187-196.	0.2	73
12	Picture Fuzzy Maclaurin Symmetric Mean Operators and Their Applications in Solving Multiattribute Decision-Making Problems. Mathematical Problems in Engineering, 2021, 2021, 1-13.	0.6	72
13	T-spherical fuzzy power aggregation operators and their applications in multi-attribute decision making. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 9067-9080.	3.3	70
14	Aczel-Alsina Aggregation Operators on T-Spherical Fuzzy (TSF) Information With Application to TSF Multi-Attribute Decision Making. IEEE Access, 2022, 10, 26011-26023.	2.6	67
15	A review of retinal blood vessels extraction techniques: challenges, taxonomy, and future trends. Pattern Analysis and Applications, 2019, 22, 767-802.	3.1	59
16	Multi-Attribute Multi-Perception Decision-Making Based on Generalized T-Spherical Fuzzy Weighted Aggregation Operators on Neutrosophic Sets. Mathematics, 2019, 7, 780.	1.1	53
17	Novel Aczelâ€“Alsina Operators for Pythagorean Fuzzy Sets with Application in Multi-Attribute Decision Making. Symmetry, 2022, 14, 940.	1.1	52
18	Performance Evaluation of Solar Energy Cells Using the Interval-Valued T-Spherical Fuzzy Bonferroni Mean Operators. Energies, 2022, 15, 292.	1.6	44

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19	Some Similarity Measures for Interval-Valued Picture Fuzzy Sets and Their Applications in Decision Making. Information (Switzerland), 2019, 10, 369.	1.7	33
20	Applications of improved spherical fuzzy Dombi aggregation operators in decision support system. Soft Computing, 2021, 25, 9097-9119.	2.1	33
21	Some Interval Neutrosophic Dombi Power Bonferroni Mean Operators and Their Application in Multiâ€“Attribute Decisionâ€“Making. Symmetry, 2018, 10, 459.	1.1	31
22	Some Root Level Modifications in Interval Valued Fuzzy Graphs and Their Generalizations Including Neutrosophic Graphs. Mathematics, 2019, 7, 72.	1.1	31
23	Intuitionistic fuzzy graphs of nth type with applications. Journal of Intelligent and Fuzzy Systems, 2019, 36, 3923-3932.	0.8	29
24	Critical Review on Robust Speed Control Techniques for Permanent Magnet Synchronous Motor (PMSM) Speed Regulation. Energies, 2022, 15, 1235.	1.6	29
25	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.	1.1	28
26	Bipolar Neutrosophic Minimum Spanning Tree. SSRN Electronic Journal, 0, , .	0.4	23
27	Frank aggregation operators and analytic hierarchy process based on intervalâ€valued picture fuzzy sets and their applications. International Journal of Intelligent Systems, 2021, 36, 7925-7962.	3.3	23
28	Similarity Measures Based on T-Spherical Fuzzy Information with Applications to Pattern Recognition and Decision Making. Symmetry, 2022, 14, 410.	1.1	22
29	An Approach Towards Decision-Making and Shortest Path Problems Based on T-Spherical Fuzzy Information. International Journal of Fuzzy Systems, 2020, 22, 1521-1534.	2.3	20
30	Complex pythagorean fuzzy aggregation operators based on confidence levels and their applications. Mathematical Biosciences and Engineering, 2021, 19, 1078-1107.	1.0	20
31	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
32	An approach towards decision making and shortest path problems using the concepts of intervalâ€valued Pythagorean fuzzy information. International Journal of Intelligent Systems, 2019, 34, 2403-2428.	3.3	16
33	On Generalized Nonexpansive Maps in Banach Spaces. Computation, 2020, 8, 61.	1.0	16
34	Analysis of Social Networks, Communication Networks and Shortest Path Problems in the Environment of Interval-Valued q-Rung Ortho Pair Fuzzy Graphs. International Journal of Fuzzy Systems, 2019, 21, 1687-1708.	2.3	12
35	Methods for multi-attribute decision making, pattern recognition and clustering based on T-spherical fuzzy information measures. Journal of Intelligent and Fuzzy Systems, 2022, 42, 2957-2977.	0.8	12
36	On different results for new three step iteration process in Banach spaces. SpringerPlus, 2016, 5, 1616.	1.2	11

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37	Cubic bipolar fuzzy graphs with applications. Journal of Intelligent and Fuzzy Systems, 2019, 37, 2289-2307.	0.8	11
38	Multiple attribute decision making method under linguistic cubic information. Journal of Intelligent and Fuzzy Systems, 2019, 36, 253-269.	0.8	11
39	Social Network Group Decision-Making Method Based on Q-Rung Orthopair Fuzzy Set and Its Application in the Evaluation of Online Teaching Quality. Axioms, 2021, 10, 168.	0.9	11
40	Waste Clothing Recycling Channel Selection Using a CoCoSo-D Method Based on Sine Trigonometric Interaction Operational Laws with Pythagorean Fuzzy Information. Energies, 2022, 15, 2010.	1.6	11
41	ARS: Anonymous reputation system for vehicular ad hoc networks. , 2016, , .		10
42	A New Iterative Method for Suzuki Mappings in Banach Spaces. Journal of Mathematics, 2021, 2021, 1-7.	0.5	10
43	Assessment of the Business Proposals Using Frank Aggregation Operators Based on Interval-Valued T-Spherical Fuzzy Information. Journal of Function Spaces, 2022, 2022, 1-24.	0.4	10
44	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
45	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
46	Information Measures Based on T-Spherical Fuzzy Sets and Their Applications in Decision Making and Pattern Recognition. Axioms, 2022, 11, 302.	0.9	9
47	Connectivity Indices of Intuitionistic Fuzzy Graphs and Their Applications in Internet Routing and Transport Network Flow. Mathematical Problems in Engineering, 2021, 2021, 1-16.	0.6	8
48	Complex q-rung orthopair fuzzy competition graphs and their applications. Electronic Research Archive, 2022, 30, 1558-1605.	0.4	8
49	HOVA-FPPM: Flexible Periodic Pattern Mining in Time Series Databases Using Hashed Occurrence Vectors and Apriori Approach. Scientific Programming, 2021, 2021, 1-14.	0.5	7
50	Investigating the Short-Circuit Problem Using the Planarity Index of Complex q-Rung Orthopair Fuzzy Planar Graphs. Complexity, 2021, 2021, 1-22.	0.9	7
51	Linear Diophantine Uncertain Linguistic Power Einstein Aggregation Operators and Their Applications to Multiattribute Decision Making. Complexity, 2021, 2021, 1-25.	0.9	7
52	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. Symmetry, 2021, 13, 1986.	1.1	7
53	Approach to Multiattribute Decision-Making Problems Based on Neutrality Aggregation Operators of Picture Fuzzy Information. Journal of Function Spaces, 2022, 2022, 1-16.	0.4	7
54	An Approach for the Analysis of Energy Resource Selection Based on Attributes by Using Dombi T-Norm Based Aggregation Operators. Energies, 2022, 15, 3939.	1.6	7

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55	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
56	An Experimental Study on the Behavior of Received Signal Strength in Indoor Environment. , 2013, , .		5
57	Some New Results on a Three-Step Iteration Process. Axioms, 2020, 9, 110.	0.9	5
58	Approximation of Fixed Points for Enriched Suzuki Nonexpansive Operators with an Application in Hilbert Spaces. Axioms, 2022, 11, 14.	0.9	5
59	Graphical Structures of Cubic Intuitionistic Fuzzy Information. Journal of Mathematics, 2021, 2021, 1-21.	0.5	4
60	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
61	Efficient Image Retrieval Based on Quantized Histogram Texture Features in DCT Domain. , 2011, , .		3
62	Numerical reckoning fixed points via new faster iteration process. Applied General Topology, 2022, 23, 213-223.	0.1	3
63	Green Recycling Supplier Selection of Shared Bicycles: Interval-Valued Pythagorean Fuzzy Hybrid Weighted Methods Based on Self-Confidence Level. International Journal of Environmental Research and Public Health, 2022, 19, 5024.	1.2	3
64	Fault Tolerant DHT-Based Routing in MANET. Sensors, 2022, 22, 4280.	2.1	3
65	Some Convergence Results for a Class of Generalized Nonexpansive Mappings in Banach Spaces. Advances in Mathematical Physics, 2021, 2021, 1-6.	0.4	2
66	On the JK Iterative Process in Banach Spaces. Journal of Function Spaces, 2021, 2021, 1-8.	0.4	2
67	Approximating Fixed Points Using a Faster Iterative Method and Application to Split Feasibility Problems. Computation, 2021, 9, 90.	1.0	2
68	A method to solve strategy based decision making problems with logarithmic T-spherical fuzzy aggregation framework. Journal of Intelligent and Fuzzy Systems, 2021, 41, 7117-7135.	0.8	2
69	Picture Hesitant Fuzzy Clustering Based on Generalized Picture Hesitant Fuzzy Distance Measures. Knowledge, 2021, 1, 40-51.	0.7	2
70	Extended Abstract: File Transfer in Vehicular Ad-Hoc Networks. , 2013, , .		1
71	A secure commercial ads dissemination scheme for vehicular networks. , 2016, , .		1
72	A beaconing-based roadside services discovery protocol for vehicular ad hocnetworks. Turkish Journal of Electrical Engineering and Computer Sciences, 2019, 27, 2036-2051.	0.9	1

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73	Fixed-Point Convergence Results of a Three-Step Iterative Process in CAT(0) Spaces. Mathematical Problems in Engineering, 2021, 2021, 1-8.	0.6	1
74	Iterative Approximation of Fixed Points by Using F Iteration Process in Banach Spaces. Journal of Function Spaces, 2021, 2021, 1-7.	0.4	1
75	Fixed Point Results on Multi-Valued Generalized (Î±,Î²)-Nonexpansive Mappings in Banach Spaces. Algorithms, 2021, 14, 223.	1.2	1
76	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
77	Trends on Extension and Applications of Neutrosophic Graphs to Robots. Studies in Systems, Decision and Control, 2021, , 277-308.	0.8	1
78	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
79	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
80	NSPP: A Novel algorithm for neutrosophic shortest path problem. , 2020, , .		0
81	Fixed Point Approximation for a Class of Generalized Nonexpansive Mappings in Hadamard Spaces. Advances in Mathematical Physics, 2021, 2021, 1-8.	0.4	0
82	Approximation of Fixed Points for Mean Nonexpansive Mappings in Banach Spaces. Journal of Function Spaces, 2021, 2021, 1-6.	0.4	0
83	Iterative Construction of Fixed Points for Operators Endowed with Condition <math xmlns="http://www.w3.org/1998/Math/MathML" id="M1"> <mfenced open="(" close=")"> <mrow> <mi>E</mi> </mrow> </mfenced> </math> in Metric Spaces. Advances in Mathematical Physics, 2021, 2021, 1-8.	0.4	0
84	An Efficient Iterative Procedure for Proximally Quasi-Nonexpansive Mappings and a Class of Boundary Value Problems. Axioms, 2022, 11, 90.	0.9	0
85	Some Iterative Approximation Results of F Iteration Process in Banach Spaces. Axioms, 2022, 11, 153.	0.9	0