

Shahzaib Ashraf

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

55
papers

1,546
citations

24
h-index

38
g-index

58
ext. papers

1,905
ext. citations

2.7
avg, IF

5.98
L-index

#	Paper	IF	Citations
55	Spherical fuzzy sets and their applications in multi-attribute decision making problems. <i>Journal of Intelligent and Fuzzy Systems</i> , 2019 , 36, 2829-2844	1.6	137
54	Spherical aggregation operators and their application in multiattribute group decision-making. <i>International Journal of Intelligent Systems</i> , 2019 , 34, 493-523	8.4	113
53	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	1.2	111
52	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	3.7	72
51	Spherical fuzzy sets and its representation of spherical fuzzy t-norms and t-conorms. <i>Journal of Intelligent and Fuzzy Systems</i> , 2019 , 36, 6089-6102	1.6	71
50	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	1.6	65
49	Pythagorean Fuzzy Dombi Aggregation Operators and Their Application in Decision Support System. <i>Symmetry</i> , 2019 , 11, 383	2.7	65
48	Covering-Based Spherical Fuzzy Rough Set Model Hybrid with TOPSIS for Multi-Attribute Decision-Making. <i>Symmetry</i> , 2019 , 11, 547	2.7	61
47	Spherical Fuzzy Logarithmic Aggregation Operators Based on Entropy and Their Application in Decision Support Systems. <i>Entropy</i> , 2019 , 21,	2.8	56
46	Emergency decision support modeling for COVID-19 based on spherical fuzzy information. <i>International Journal of Intelligent Systems</i> , 2020 , 35, 1601-1645	8.4	55
45	Picture fuzzy aggregation information based on Einstein operations and their application in decision making. <i>Mathematical Sciences</i> , 2019 , 13, 213-229	1.6	53
44	Application of Exponential Jensen Picture Fuzzy Divergence Measure in Multi-Criteria Group Decision Making. <i>Mathematics</i> , 2019 , 7, 191	2.3	51
43	Linguistic Spherical Fuzzy Aggregation Operators and Their Applications in Multi-Attribute Decision Making Problems. <i>Mathematics</i> , 2019 , 7, 413	2.3	48
42	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	1.6	45
41	Child Development Influence Environmental Factors Determined Using Spherical Fuzzy Distance Measures. <i>Mathematics</i> , 2019 , 7, 661	2.3	43
40	Generalized Picture Fuzzy Soft Sets and Their Application in Decision Support Systems. <i>Symmetry</i> , 2019 , 11, 415	2.7	42
39	A Novel Approach to Generalized Intuitionistic Fuzzy Soft Sets and Its Application in Decision Support System. <i>Mathematics</i> , 2019 , 7, 742	2.3	40

38	A New Approach to Fuzzy TOPSIS Method Based on Entropy Measure under Spherical Fuzzy Information. <i>Entropy</i> , 2019 , 21, 1231	2.8	40
37	Utilizing Linguistic Picture Fuzzy Aggregation Operators for Multiple-Attribute Decision-Making Problems. <i>International Journal of Fuzzy Systems</i> , 2020 , 22, 310-320	3.6	38
36	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	3.6	36
35	Logarithmic Hybrid Aggregation Operators Based on Single Valued Neutrosophic Sets and Their Applications in Decision Support Systems. <i>Symmetry</i> , 2019 , 11, 364	2.7	30
34	Logarithmic Aggregation Operators of Picture Fuzzy Numbers for Multi-Attribute Decision Making Problems. <i>Mathematics</i> , 2019 , 7, 608	2.3	30
33	Symmetric sum based aggregation operators for spherical fuzzy information: Application in multi-attribute group decision making problem. <i>Journal of Intelligent and Fuzzy Systems</i> , 2020 , 38, 5241-5255	1.6	26
32	A new emergency response of spherical intelligent fuzzy decision process to diagnose of COVID19. <i>Soft Computing</i> , 2020 , 1-17	3.5	25
31	Entropy Based Pythagorean Probabilistic Hesitant Fuzzy Decision Making Technique and Its Application for Fog-Haze Factor Assessment Problem. <i>Entropy</i> , 2020 , 22,	2.8	23
30	Fuzzy decision support modeling for internet finance soft power evaluation based on sine trigonometric Pythagorean fuzzy information. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2021 , 12, 3101-3119	3.7	20
29	Fuzzy Decision Support Modeling for Hydrogen Power Plant Selection Based on Single Valued Neutrosophic Sine Trigonometric Aggregation Operators. <i>Symmetry</i> , 2020 , 12, 298	2.7	18
28	Applications of probabilistic hesitant fuzzy rough set in decision support system. <i>Soft Computing</i> , 2020 , 24, 16759-16774	3.5	18
27	A new approach to -linear Diophantine fuzzy emergency decision support system for COVID19. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2021 , 1-27	3.7	18
26	Linguistic Picture Fuzzy Dombi Aggregation Operators and Their Application in Multiple Attribute Group Decision Making Problem. <i>Mathematics</i> , 2019 , 7, 764	2.3	16
25	EDAS method for decision support modeling under the Pythagorean probabilistic hesitant fuzzy aggregation information. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2021 , 1-14	3.7	8
24	Decision aid modeling based on sine trigonometric spherical fuzzy aggregation information. <i>Soft Computing</i> , 2021 , 25, 8549-8572	3.5	8
23	Triangular picture fuzzy linguistic induced ordered weighted aggregation operators and its application on decision making problems. <i>Mathematical Foundations of Computing</i> , 2019 , 2, 183-201	0.9	7
22	Solution of multi-criteria group decision making problem based on picture linguistic informations. <i>International Journal of Algebra and Statistics</i> , 2019 , 8, 1-11	0	6
21	Decision Support Technique Based on Spherical Fuzzy Yager Aggregation Operators and Their Application in Wind Power Plant Locations: A Case Study of Jhimpir, Pakistan. <i>Journal of Mathematics</i> , 2020 , 2020, 1-21	1.2	5

20	Hospital admission and care of COVID-19 patients problem based on spherical hesitant fuzzy decision support system. <i>International Journal of Intelligent Systems</i> , 2021 , 36, 4167-4209	8.4	5
19	Emergency Decision-Making Based on q-Rung Orthopair Fuzzy Rough Aggregation Information. <i>Computers, Materials and Continua</i> , 2021 , 69, 4077-4094	3.9	5
18	Solid Waste Collection System Selection Based on Sine Trigonometric Spherical Hesitant Fuzzy Aggregation Information. <i>Intelligent Automation and Soft Computing</i> , 2021 , 28, 459-476	2.6	5
17	Some novel aggregation operators for cubic picture fuzzy information: application in multi-attribute decision support problem. <i>Granular Computing</i> , 2021 , 6, 603-618	5.4	4
16	A Decision-Making Framework Using q-Rung Orthopair Probabilistic Hesitant Fuzzy Rough Aggregation Information for the Drug Selection to Treat COVID-19. <i>Complexity</i> , 2022 , 2022, 1-37	1.6	3
15	Pythagorean probabilistic hesitant fuzzy aggregation operators and their application in decision-making. <i>Kybernetes</i> , 2021 , ahead-of-print,	2	3
14	A novel picture fuzzy Aczel-Alsina geometric aggregation information: Application to determining the factors affecting mango crops. <i>AIMS Mathematics</i> , 2022 , 7, 12264-12288	2.2	3
13	A Novel Spherical Fuzzy Rough Aggregation Operators Hybrid with TOPSIS Method and Their Application in Decision Making. <i>Mathematical Problems in Engineering</i> , 2022 , 2022, 1-20	1.1	2
12	A decision making algorithm for wind power plant based on q-rung orthopair hesitant fuzzy rough aggregation information and TOPSIS. <i>AIMS Mathematics</i> , 2022 , 7, 5241-5274	2.2	2
11	Evaluation of the product quality of the online shopping platform using t-spherical fuzzy preference relations. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021 , 41, 6245-6262	1.6	2
10	Decision support model for the patient admission scheduling problem based on picture fuzzy aggregation information and TOPSIS methodology.. <i>Mathematical Biosciences and Engineering</i> , 2022 , 19, 3147-3176	2.1	1
9	-Rung Orthopair Fuzzy Rough Einstein Aggregation Information-Based EDAS Method: Applications in Robotic Agrifarming. <i>Computational Intelligence and Neuroscience</i> , 2021 , 2021, 5520264	3	1
8	A novel decision making technique based on spherical hesitant fuzzy Yager aggregation information: application to treat Parkinson's disease. <i>AIMS Mathematics</i> , 2022 , 7, 1678-1706	2.2	1
7	Series of Aggregation Operators for Picture Fuzzy Environments and Their Applications. <i>Advances in Computer and Electrical Engineering Book Series</i> , 2020 , 328-351	0.3	1
6	Decision Support Technique Based on Neutrosophic Yager Aggregation Operators: Application in Solar Power Plant Locations Case Study of Bahawalpur, Pakistan. <i>Mathematical Problems in Engineering</i> , 2020 , 2020, 1-21	1.1	1
5	Redefined Maclaurin Symmetric Mean Aggregation Operators Based on Cubic Pythagorean Linguistic Fuzzy Numbers \square <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-19	1.1	1
4	Some Novel Preference Relations for Picture Fuzzy Sets and Selection of 3-D Printers in Aviation 4.0. <i>Studies in Systems, Decision and Control</i> , 2022 , 281-300	0.8	1
3	Emergency decision support modeling under generalized spherical fuzzy Einstein aggregation information. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2021 , 1-27	3.7	1

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| 2 | Improved VIKOR methodology based on q -rung orthopair hesitant fuzzy rough aggregation information: application in multi expert decision making. <i>AIMS Mathematics</i> , 2022 , 7, 9524-9548 | 2.2 |
| 1 | A wind power plant site selection algorithm based on q -rung orthopair hesitant fuzzy rough Einstein aggregation information.. <i>Scientific Reports</i> , 2022 , 12, 5443 | 4.9 |