

Shahzaib Ashraf

List of Publications by Year in descending order

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53
papers

2,527
citations

172207

29
h-index

197535

49
g-index

58
all docs

58
docs citations

58
times ranked

609
citing authors

#	ARTICLE	IF	CITATIONS
1	Spherical fuzzy sets and their applications in multi-attribute decision making problems. Journal of Intelligent and Fuzzy Systems, 2019, 36, 2829-2844.	0.8	246
2	Spherical aggregation operators and their application in multiattribute group decision-making. International Journal of Intelligent Systems, 2019, 34, 493-523.	3.3	165
3	Different Approaches to Multi-Criteria Group Decision Making Problems for Picture Fuzzy Environment. Bulletin of the Brazilian Mathematical Society, 2019, 50, 373-397.	0.3	144
4	Spherical fuzzy Dombi aggregation operators and their application in group decision making problems. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 2731-2749.	3.3	122
5	Spherical fuzzy sets and its representation of spherical fuzzy t-norms and t-conorms. Journal of Intelligent and Fuzzy Systems, 2019, 36, 6089-6102.	0.8	114
6	Pythagorean Fuzzy Dombi Aggregation Operators and Their Application in Decision Support System. Symmetry, 2019, 11, 383.	1.1	99
7	The cosine similarity measures of spherical fuzzy sets and their applications in decision making. Journal of Intelligent and Fuzzy Systems, 2019, 36, 6059-6073.	0.8	88
8	Emergency decision support modeling for COVID-19 based on spherical fuzzy information. International Journal of Intelligent Systems, 2020, 35, 1601-1645.	3.3	85
9	Spherical Fuzzy Logarithmic Aggregation Operators Based on Entropy and Their Application in Decision Support Systems. Entropy, 2019, 21, 628.	1.1	84
10	Picture fuzzy aggregation information based on Einstein operations and their application in decision making. Mathematical Sciences, 2019, 13, 213-229.	1.0	84
11	Linguistic Spherical Fuzzy Aggregation Operators and Their Applications in Multi-Attribute Decision Making Problems. Mathematics, 2019, 7, 413.	1.1	79
12	Covering-Based Spherical Fuzzy Rough Set Model Hybrid with TOPSIS for Multi-Attribute Decision-Making. Symmetry, 2019, 11, 547.	1.1	78
13	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.	1.0	72
14	Application of Exponential Jensen Picture Fuzzy Divergence Measure in Multi-Criteria Group Decision Making. Mathematics, 2019, 7, 191.	1.1	67
15	Generalized Picture Fuzzy Soft Sets and Their Application in Decision Support Systems. Symmetry, 2019, 11, 415.	1.1	66
16	Child Development Influence Environmental Factors Determined Using Spherical Fuzzy Distance Measures. Mathematics, 2019, 7, 661.	1.1	60
17	A New Approach to Fuzzy TOPSIS Method Based on Entropy Measure under Spherical Fuzzy Information. Entropy, 2019, 21, 1231.	1.1	58
18	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.	2.3	54

#	ARTICLE	IF	CITATIONS
19	Utilizing Linguistic Picture Fuzzy Aggregation Operators for Multiple-Attribute Decision-Making Problems. <i>International Journal of Fuzzy Systems</i> , 2020, 22, 310-320.	2.3	54
20	A Novel Approach to Generalized Intuitionistic Fuzzy Soft Sets and Its Application in Decision Support System. <i>Mathematics</i> , 2019, 7, 742.	1.1	51
21	A new approach to q-linear Diophantine fuzzy emergency decision support system for COVID19. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2022, 13, 1687-1713.	3.3	50
22	Logarithmic Aggregation Operators of Picture Fuzzy Numbers for Multi-Attribute Decision Making Problems. <i>Mathematics</i> , 2019, 7, 608.	1.1	48
23	Entropy Based Pythagorean Probabilistic Hesitant Fuzzy Decision Making Technique and Its Application for Fog-Haze Factor Assessment Problem. <i>Entropy</i> , 2020, 22, 318.	1.1	48
24	Logarithmic Hybrid Aggregation Operators Based on Single Valued Neutrosophic Sets and Their Applications in Decision Support Systems. <i>Symmetry</i> , 2019, 11, 364.	1.1	41
25	Fuzzy Decision Support Modeling for Hydrogen Power Plant Selection Based on Single Valued Neutrosophic Sine Trigonometric Aggregation Operators. <i>Symmetry</i> , 2020, 12, 298.	1.1	40
26	Applications of probabilistic hesitant fuzzy rough set in decision support system. <i>Soft Computing</i> , 2020, 24, 16759-16774.	2.1	37
27	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.	0.8	35
28	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.	3.3	34
29	Linguistic Picture Fuzzy Dombi Aggregation Operators and Their Application in Multiple Attribute Group Decision Making Problem. <i>Mathematics</i> , 2019, 7, 764.	1.1	22
30	EDAS method for decision support modeling under the Pythagorean probabilistic hesitant fuzzy aggregation information. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2022, 13, 5491-5504.	3.3	22
31	Pythagorean probabilistic hesitant fuzzy aggregation operators and their application in decision-making. <i>Kybernetes</i> , 2022, 51, 1626-1652.	1.2	21
32	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.	0.7	21
33	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.	3.3	18
34	Emergency decision support modeling under generalized spherical fuzzy Einstein aggregation information. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2022, 13, 2091-2117.	3.3	15
35	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.	0.5	15
36	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.	0.9	14

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37	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.	0.7	13
38	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.	0.7	13
39	q-Rung Orthopair Fuzzy Rough Einstein Aggregation Information-Based EDAS Method: Applications in Robotic Agrifarming. <i>Computational Intelligence and Neuroscience</i> , 2021, 2021, 1-27.	1.1	11
40	Some novel aggregation operators for cubic picture fuzzy information: application in multi-attribute decision support problem. <i>Granular Computing</i> , 2021, 6, 603-618.	4.4	10
41	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.	1.6	9
42	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.	1.6	8
43	Emergency Decision-Making Based on q-Rung Orthopair Fuzzy Rough Aggregation Information. <i>Computers, Materials and Continua</i> , 2021, 69, 4077-4094.	1.5	7
44	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.	0.7	7
45	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.	0.7	6
46	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.	1.0	6
47	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.	0.7	5
48	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.	0.8	5
49	Decision Support Technique Based on Neutrosophic Yager Aggregation Operators: Application in Solar Power Plant Locationsâ€™ Case Study of Bahawalpur, Pakistan. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-21.	0.6	4
50	Redefined â€œMaclaurin Symmetric Mean Aggregation Operators Based on Cubic Pythagorean Linguistic Fuzzy Numbersâ€: <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-19.	0.6	4
51	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.	0.6	4
52	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	2
53	Series of Aggregation Operators for Picture Fuzzy Environments and Their Applications. <i>Advances in Computer and Electrical Engineering Book Series</i> , 2020, , 328-351.	0.2	1