

Shahzaib Ashraf

List of Publications by Year in Descending Order

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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 | 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 |
| 54 | 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 |
| 53 | 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 |
| 52 | 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 |
| 51 | 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 |
| 50 | 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 |
| 49 | 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 | |
| 48 | 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 | |
| 47 | 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 |
| 46 | -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 |
| 45 | 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 |
| 44 | 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 |
| 43 | Redefined Maclaurin Symmetric Mean Aggregation Operators Based on Cubic Pythagorean Linguistic Fuzzy Numbers. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-19 | 1.1 | 1 |
| 42 | 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 |
| 41 | Pythagorean probabilistic hesitant fuzzy aggregation operators and their application in decision-making. <i>Kybernetes</i> , 2021 , ahead-of-print, | 2 | 3 |
| 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 | 5.4 | 4 |
| 39 | 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 |

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| 38 | 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 |
| 37 | Decision aid modeling based on sine trigonometric spherical fuzzy aggregation information. <i>Soft Computing</i> , 2021 , 25, 8549-8572 | 3.5 | 8 |
| 36 | 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 |
| 35 | 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 |
| 34 | 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 |
| 33 | 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 |
| 32 | 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 |
| 31 | 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 |
| 30 | 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 |
| 29 | Applications of probabilistic hesitant fuzzy rough set in decision support system. <i>Soft Computing</i> , 2020 , 24, 16759-16774 | 3.5 | 18 |
| 28 | A new emergency response of spherical intelligent fuzzy decision process to diagnose of COVID19. <i>Soft Computing</i> , 2020 , 1-17 | 3.5 | 25 |
| 27 | 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 |
| 26 | 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 |
| 25 | 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 |
| 24 | 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 |
| 23 | 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 |
| 22 | 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 |
| 21 | 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 |

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| 20 | 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 |
| 19 | 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 |
| 18 | Linguistic Spherical Fuzzy Aggregation Operators and Their Applications in Multi-Attribute Decision Making Problems. <i>Mathematics</i> , 2019 , 7, 413 | 2.3 | 48 |
| 17 | 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 |
| 16 | Covering-Based Spherical Fuzzy Rough Set Model Hybrid with TOPSIS for Multi-Attribute Decision-Making. <i>Symmetry</i> , 2019 , 11, 547 | 2.7 | 61 |
| 15 | Generalized Picture Fuzzy Soft Sets and Their Application in Decision Support Systems. <i>Symmetry</i> , 2019 , 11, 415 | 2.7 | 42 |
| 14 | Application of Exponential Jensen Picture Fuzzy Divergence Measure in Multi-Criteria Group Decision Making. <i>Mathematics</i> , 2019 , 7, 191 | 2.3 | 51 |
| 13 | Pythagorean Fuzzy Dombi Aggregation Operators and Their Application in Decision Support System. <i>Symmetry</i> , 2019 , 11, 383 | 2.7 | 65 |
| 12 | 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 |
| 11 | 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 |
| 10 | Spherical Fuzzy Logarithmic Aggregation Operators Based on Entropy and Their Application in Decision Support Systems. <i>Entropy</i> , 2019 , 21, | 2.8 | 56 |
| 9 | Logarithmic Aggregation Operators of Picture Fuzzy Numbers for Multi-Attribute Decision Making Problems. <i>Mathematics</i> , 2019 , 7, 608 | 2.3 | 30 |
| 8 | Child Development Influence Environmental Factors Determined Using Spherical Fuzzy Distance Measures. <i>Mathematics</i> , 2019 , 7, 661 | 2.3 | 43 |
| 7 | 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 |
| 6 | 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 |
| 5 | 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 |
| 4 | A New Approach to Fuzzy TOPSIS Method Based on Entropy Measure under Spherical Fuzzy Information. <i>Entropy</i> , 2019 , 21, 1231 | 2.8 | 40 |
| 3 | 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 |

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| 2 | 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 |
| 1 | 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 |