Huchang Liao

List of Publications by Year
in descending order

297
papers	15,505
citations	15495
65
h-index	22808
112
g-index
300
all docs	300
docs citations	300
times ranked	4899
citing authors

#	ARTICLE	IF	CITATIONS
1	Distance and similarity measures for hesitant fuzzy linguistic term sets and their application in multi-criteria decision making. Information Sciences, 2014, 271, 125-142.	4.0	503
2	Intuitionistic Fuzzy Analytic Hierarchy Process. IEEE Transactions on Fuzzy Systems, 2014, 22, 749-761.	6.5	393
3	Qualitative decision making with correlation coefficients of hesitant fuzzy linguistic term sets. Knowledge-Based Systems, 2015, 76, 127-138.	4.0	372
4	Hesitant Fuzzy Linguistic VIKOR Method and Its Application in Qualitative Multiple Criteria Decision Making. IEEE Transactions on Fuzzy Systems, 2015, 23, 1343-1355.	6.5	349
5	A Bibliometric Analysis and Visualization of Medical Big Data Research. Sustainability, 2018, 10, 166.	1.6	345
6	The state-of-the-art survey on integrations and applications of the best worst method in decision making: Why, what, what for and what's next?. Omega, 2019, 87, 205-225.	3.6	303
7	Probabilistic Linguistic MULTIMOORA: A Multicriteria Decision Making Method Based on the Probabilistic Linguistic Expectation Function and the Improved Borda Rule. IEEE Transactions on Fuzzy Systems, 2018, 26, 3688-3702.	6.5	283
8	A VIKOR-based method for hesitant fuzzy multi-criteria decision making. Fuzzy Optimization and Decision Making, 2013, 12, 373-392.	3.4	271
9	Consistency-based risk assessment with probabilistic linguistic preference relation. Applied Soft Computing Journal, 2016, 49, 817-833.	4.1	270
10	Double hierarchy hesitant fuzzy linguistic term set and MULTIMOORA method: A case of study to evaluate the implementation status of haze controlling measures. Information Fusion, 2017, 38, 22-34.	11.7	270
11	A consensus-based probabilistic linguistic gained and lost dominance score method. European Journal of Operational Research, 2019, 272, 1017-1027.	3.5	267
12	Approaches to manage hesitant fuzzy linguistic information based on the cosine distance and similarity measures for HFLTSs and their application in qualitative decision making. Expert Systems With Applications, 2015, 42, 5328-5336.	4.4	246
13	An approach to quality function deployment based on probabilistic linguistic term sets and ORESTE method for multi-expert multi-criteria decision making. Information Fusion, 2018, 43, 13-26.	11.7	241
14	MULTIPLICATIVE CONSISTENCY OF HESITANT FUZZY PREFERENCE RELATION AND ITS APPLICATION IN GROUP DECISION MAKING. International Journal of Information Technology and Decision Making, 2014, 13, 47-76.	2.3	219
15	Hesitant fuzzy linguistic entropy and cross-entropy measures and alternative queuing method for multiple criteria decision making. Information Sciences, 2017, 388-389, 225-246.	4.0	200
16	A novel VIKOR approach based on entropy and divergence measures of Pythagorean fuzzy sets to evaluate renewable energy technologies in India. Journal of Cleaner Production, 2019, 238, 117936.	4.6	199
17	Preference Relations Based on Intuitionistic Multiplicative Information. IEEE Transactions on Fuzzy Systems, 2013, 21, 113-133.	6.5	192
18	Hesitant Fuzzy Linguistic Term Set and Its Application in Decision Making: A State-of-the-Art Survey. International Journal of Fuzzy Systems, 2018, 20, 2084-2110.	2.3	189

#	ARTICLE	IF	CITATIONS
19	A consensus process for group decision making with probabilistic linguistic preference relations. Information Sciences, 2017, 414, 260-275.	4.0	185
20	A linear programming method for multiple criteria decision making with probabilistic linguistic information. Information Sciences, 2017, 415-416, 341-355.	4.0	167
21	Priorities of Intuitionistic Fuzzy Preference Relation Based on Multiplicative Consistency. IEEE Transactions on Fuzzy Systems, 2014, 22, 1669-1681.	6.5	166
22	An intuitionistic fuzzy multiplicative best-worst method for multi-criteria group decision making. Information Sciences, 2016, 374, 224-239.	4.0	162
23	An overview of MULTIMOORA for multi-criteria decision-making: Theory, developments, applications, and challenges. Information Fusion, 2019, 51, 145-177.	11.7	162
24	Multiple criteria decision making based on Bonferroni means with hesitant fuzzy linguistic information. Soft Computing, 2017, 21, 6515-6529.	2.1	159
25	Novel correlation coefficients between hesitant fuzzy sets and their application in decision making. Knowledge-Based Systems, 2015, 82, 115-127.	4.0	152
26	A survey of decision-making methods with probabilistic linguistic information: bibliometrics, preliminaries, methodologies, applications and future directions. Fuzzy Optimization and Decision Making, 2020, 19, 81-134.	3.4	152
27	A review of greenhouse gas emission profiles, dynamics, and climate change mitigation efforts across the key climate change players. Journal of Cleaner Production, 2019, 234, 1113-1133.	4.6	150
28	A Bibliometric Analysis of Fuzzy Decision Research During 1970â€"2015. International Journal of Fuzzy Systems, 2017, 19, 1-14.	2.3	146
29	Score-HeDLiSF: A score function of hesitant fuzzy linguistic term set based on hesitant degrees and linguistic scale functions: An application to unbalanced hesitant fuzzy linguistic MULTIMOORA. Information Fusion, 2019, 48, 39-54.	11.7	143
30	ELECTRE II method to deal with probabilistic linguistic term sets and its application to edge computing. Nonlinear Dynamics, 2019, 96, 2125-2143.	2.7	143
31	From conventional group decision making to large-scale group decision making: What are the challenges and how to meet them in big data era? A state-of-the-art survey. Omega, 2021, 100, 102141.	3.6	142
32	A survey of approaches to decision making with intuitionistic fuzzy preference relations. Knowledge-Based Systems, 2015, 80, 131-142.	4.0	138
33	Adaptive consensus reaching process with hybrid strategies for large-scale group decision making. European Journal of Operational Research, 2020, 282, 957-971.	3.5	137
34	Two new approaches based on ELECTRE II to solve the multiple criteria decision making problems with hesitant fuzzy linguistic term sets. Applied Soft Computing Journal, 2018, 63, 223-234.	4.1	130
35	Multi-criteria decision making with intuitionistic fuzzy PROMETHEE. Journal of Intelligent and Fuzzy Systems, 2014, 27, 1703-1717.	0.8	129
36	Probabilistic double hierarchy linguistic term set and its use in designing an improved VIKOR method: The application in smart healthcare. Journal of the Operational Research Society, 2021, 72, 2611-2630.	2.1	125

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37	Novel operations of PLTSs based on the disparity degrees of linguistic terms and their use in designing the probabilistic linguistic ELECTRE III method. Applied Soft Computing Journal, 2019, 80, 450-464.	4.1	124
38	A GREY COMBINED COMPROMISE SOLUTION (COCOSO-G) METHOD FOR SUPPLIER SELECTION IN CONSTRUCTION MANAGEMENT. Journal of Civil Engineering and Management, 2019, 25, 858-874.	1.9	119
39	DNMA: A double normalization-based multiple aggregation method for multi-expert multi-criteria decision making. Omega, 2020, 94, 102058.	3.6	113
40	Framework of Group Decision Making With Intuitionistic Fuzzy Preference Information. IEEE Transactions on Fuzzy Systems, 2015, 23, 1211-1227.	6.5	112
41	A comprehensive overview of smart wearables: The state of the art literature, recent advances, and future challenges. Engineering Applications of Artificial Intelligence, 2020, 90, 103529.	4.3	112
42	An enhanced consensus reaching process in group decision making with intuitionistic fuzzy preference relations. Information Sciences, 2016, 329, 274-286.	4.0	110
43	Subtraction and division operations over hesitant fuzzy sets. Journal of Intelligent and Fuzzy Systems, 2014, 27, 65-72.	0.8	107
44	Ordinal consensus measure with objective threshold for heterogeneous large-scale group decision making. Knowledge-Based Systems, 2019, 180, 62-74.	4.0	106
45	Consensus Model Handling Minority Opinions and Noncooperative Behaviors in Large-Scale Group Decision-Making Under Double Hierarchy Linguistic Preference Relations. IEEE Transactions on Cybernetics, 2021, 51, 283-296.	6.2	105
46	Ten Years of Sustainability (2009 to 2018): A Bibliometric Overview. Sustainability, 2018, 10, 1655.	1.6	101
47	An interval-valued intuitionistic fuzzy DEMATEL method combined with Choquet integral for sustainable solid waste management. Engineering Applications of Artificial Intelligence, 2019, 82, 207-215.	4.3	101
48	Visualization and quantitative research on intuitionistic fuzzy studies. Journal of Intelligent and Fuzzy Systems, 2016, 30, 3653-3663.	0.8	100
49	Hospital performance evaluation by a hesitant fuzzy linguistic best worst method with inconsistency repairing. Journal of Cleaner Production, 2019, 232, 657-671.	4.6	99
50	Expected consistency-based emergency decision making with incomplete probabilistic linguistic preference relations. Knowledge-Based Systems, 2019, 176, 15-28.	4.0	98
51	Isomorphic Multiplicative Transitivity for Intuitionistic and Interval-Valued Fuzzy Preference Relations and Its Application in Deriving Their Priority Vectors. IEEE Transactions on Fuzzy Systems, 2018, 26, 193-202.	6.5	93
52	Extended Pythagorean Fuzzy TOPSIS Method Based on Similarity Measure for Sustainable Recycling Partner Selection. International Journal of Fuzzy Systems, 2020, 22, 735-747.	2.3	93
53	Multiple criteria decision making based on distance and similarity measures under double hierarchy hesitant fuzzy linguistic environment. Computers and Industrial Engineering, 2018, 126, 516-530.	3.4	90
54	Consistency of the fused intuitionistic fuzzy preference relation in group intuitionistic fuzzy analytic hierarchy process. Applied Soft Computing Journal, 2015, 35, 812-826.	4.1	87

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55	Probabilistic linguistic vector-term set and its application in group decision making with multi-granular linguistic information. Applied Soft Computing Journal, 2016, 49, 801-816.	4.1	81
56	Bibliometric analysis for highly cited papers in operations research and management science from 2008 to 2017 based on Essential Science Indicators. Omega, 2019, 88, 223-236.	3.6	81
57	A multi-stage multi-criteria hierarchical decision-making approach for sustainable supplier selection. Applied Soft Computing Journal, 2020, 94, 106456.	4.1	80
58	Water security evaluation based on the TODIM method with probabilistic linguistic term sets. Soft Computing, 2019, 23, 6215-6230.	2.1	76
59	Some new hybrid weighted aggregation operators under hesitant fuzzy multi-criteria decision making environment. Journal of Intelligent and Fuzzy Systems, 2014, 26, 1601-1617.	0.8	75
60	A prospect theory-based group decision approach considering consensus for portfolio selection with hesitant fuzzy information. Knowledge-Based Systems, 2019, 168, 28-38.	4.0	75
61	A graph based group decision making approach with intuitionistic fuzzy preference relations. Computers and Industrial Engineering, 2017, 110, 138-150.	3.4	74
62	An integrated approach to multiple criteria decision making based on the average solution and normalized weights of criteria deduced by the hesitant fuzzy best worst method. Computers and Industrial Engineering, 2019, 133, 83-94.	3.4	72
63	Measures of Probabilistic Interval-Valued Intuitionistic Hesitant Fuzzy Sets and the Application in Reducing Excessive Medical Examinations. IEEE Transactions on Fuzzy Systems, 2018, 26, 1651-1670.	6.5	71
64	An emergency decision making method based on the multiplicative consistency of probabilistic linguistic preference relations. International Journal of Machine Learning and Cybernetics, 2019, 10, 1613-1629.	2.3	71
65	A New Hesitant Fuzzy Linguistic ORESTE Method for Hybrid Multicriteria Decision Making. IEEE Transactions on Fuzzy Systems, 2018, 26, 3793-3807.	6.5	70
66	A continuous interval-valued linguistic ORESTE method for multi-criteria group decision making. Knowledge-Based Systems, 2018, 153, 65-77.	4.0	69
67	Generalized Z-numbers with hesitant fuzzy linguistic information and its application to medicine selection for the patients with mild symptoms of the COVID-19. Computers and Industrial Engineering, 2020, 145, 106517.	3.4	69
68	Intuitionistic multiplicative analytic hierarchy process in group decision making. Computers and Industrial Engineering, 2016, 101, 513-524.	3.4	66
69	Group decision making with double hierarchy hesitant fuzzy linguistic preference relations: Consistency based measures, index and repairing algorithms and decision model. Information Sciences, 2019, 489, 93-112.	4.0	66
70	Unbalanced double hierarchy linguistic term set: The TOPSIS method for multi-expert qualitative decision making involving green mine selection. Information Fusion, 2019, 51, 271-286.	11.7	66
71	Intuitionistic Fuzzy Hybrid Weighted Aggregation Operators. International Journal of Intelligent Systems, 2014, 29, 971-993.	3.3	65
72	Extended hesitant fuzzy hybrid weighted aggregation operators and their application in decision making. Soft Computing, 2015, 19, 2551-2564.	2.1	65

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73	Managing minority opinions in micro-grid planning by a social network analysis-based large scale group decision making method with hesitant fuzzy linguistic information. Knowledge-Based Systems, 2020, 189, 105060.	4.0	64
74	A Dynamic Reference Point Method for Emergency Response Under Hesitant Probabilistic Fuzzy Environment. International Journal of Fuzzy Systems, 2017, 19, 1261-1278.	2.3	63
75	Hesitancy degree-based correlation measures for hesitant fuzzy linguistic term sets and their applications in multiple criteria decision making. Information Sciences, 2020, 508, 275-292.	4.0	63
76	A multi-criteria decision making method based on DNMA and CRITIC with linguistic D numbers for blockchain platform evaluation. Engineering Applications of Artificial Intelligence, 2021, 101, 104200.	4.3	63
77	Multiplicative consistency of interval-valued intuitionistic fuzzy preference relation. Journal of Intelligent and Fuzzy Systems, 2014, 27, 2969-2985.	0.8	61
78	Profile of developments in biomass-based bioenergy research: a 20-year perspective. Scientometrics, 2014, 99, 507-521.	1.6	61
79	Severity assessment of chronic obstructive pulmonary disease based on hesitant fuzzy linguistic COPRAS method. Applied Soft Computing Journal, 2018, 69, 60-71.	4.1	61
80	Interval MULTIMOORA Method Integrating Interval Borda Rule and Interval Best–Worst-Method-Based Weighting Model: Case Study on Hybrid Vehicle Engine Selection. IEEE Transactions on Cybernetics, 2020, 50, 1157-1169.	6.2	61
81	Satisfaction Degree Based Interactive Decision Making under Hesitant Fuzzy Environment with Incomplete Weights. International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems, 2014, 22, 553-572.	0.9	60
82	A Multigranularity Linguistic Group Decision-Making Method Based on Hesitant 2-Tuple Sets. International Journal of Intelligent Systems, 2016, 31, 612-634.	3.3	60
83	Hesitant fuzzy linguistic projection model to multi-criteria decision making for hospital decision support systems. Computers and Industrial Engineering, 2018, 115, 449-458.	3.4	60
84	A Deng-Entropy-Based Evidential Reasoning Approach for Multi-expert Multi-criterion Decision-Making with Uncertainty. International Journal of Computational Intelligence Systems, 2020, 13, 1281.	1.6	60
85	The Multiplicative Consistency Index of Hesitant Fuzzy Preference Relation. IEEE Transactions on Fuzzy Systems, 2016, 24, 82-93.	6.5	59
86	Intuitionistic Fuzzy Analytic Network Process. IEEE Transactions on Fuzzy Systems, 2018, 26, 2578-2590.	6.5	59
87	A hierarchical consensus reaching process for group decision making with noncooperative behaviors. European Journal of Operational Research, 2021, 293, 632-642.	3.5	59
88	Green Logistic Provider Selection with a Hesitant Fuzzy Linguistic Thermodynamic Method Integrating Cumulative Prospect Theory and PROMETHEE. Sustainability, 2018, 10, 1291.	1.6	56
89	An integrated method for cognitive complex multiple experts multiple criteria decision making based on ELECTRE III with weighted Borda rule. Omega, 2020, 93, 102052.	3.6	56
90	A Bibliometric Overview and Visualization of the International Journal of Fuzzy Systems Between 2007 and 2017. International Journal of Fuzzy Systems, 2018, 20, 1403-1422.	2.3	55

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91	Distance-based intuitionistic multiplicative MULTIMOORA method integrating a novel weight-determining method for multiple criteria group decision making. Computers and Industrial Engineering, 2019, 131, 82-98.	3.4	53
92	A likelihood-based multi-criteria sustainable supplier selection approach with complex preference information. Information Sciences, 2020, 536, 135-155.	4.0	53
93	Generalised probabilistic linguistic evidential reasoning approach for multi-criteria decision-making under uncertainty. Journal of the Operational Research Society, 2021, 72, 130-144.	2.1	53
94	A Hybrid Method with TOPSIS and Machine Learning Techniques for Sustainable Development of Green Hotels Considering Online Reviews. Sustainability, 2019, 11, 6013.	1.6	51
95	An ordinal consistency-based group decision making process with probabilistic linguistic preference relation. Information Sciences, 2018, 467, 179-198.	4.0	50
96	Probabilistic linguistic information fusion: A survey on aggregation operators in terms of principles, definitions, classifications, applications, and challenges. International Journal of Intelligent Systems, 2020, 35, 529-556.	3.3	50
97	How to process local and global consensus? A large-scale group decision making model based on social network analysis with probabilistic linguistic information. Information Sciences, 2021, 579, 368-387.	4.0	50
98	Cold Chain Logistics Management of Medicine with an Integrated Multi-Criteria Decision-Making Method. International Journal of Environmental Research and Public Health, 2019, 16, 4843.	1.2	49
99	A Dynamic Adaptive Subgroup-to-Subgroup Compatibility-Based Conflict Detection and Resolution Model for Multicriteria Large-Scale Group Decision Making. IEEE Transactions on Cybernetics, 2021, 51, 4784-4795.	6.2	48
100	Additive consistency-based priority-generating method of q-rung orthopair fuzzy preference relation. International Journal of Intelligent Systems, 2019, 34, 2151-2176.	3.3	47
101	A multi-stage method to predict carbon dioxide emissions using dimensionality reduction, clustering, and machine learning techniques. Journal of Cleaner Production, 2020, 275, 122942.	4.6	47
102	A thermodynamic method of intuitionistic fuzzy MCDM to assist the hierarchical medical system in China. Information Sciences, 2017, 420, 490-504.	4.0	46
103	Selection third-party logistics service providers in supply chain finance by a hesitant fuzzy linguistic combined compromise solution method. Economic Research-Ekonomska Istraživanja, 2019, 32, 4033-4058.	2.6	46
104	Generic Disjunctive Belief-Rule-Base Modeling, Inferencing, and Optimization. IEEE Transactions on Fuzzy Systems, 2019, 27, 1866-1880.	6.5	44
105	A consensus model to manage the non-cooperative behaviors of individuals in uncertain group decision making problems during the COVID-19 outbreak. Applied Soft Computing Journal, 2021, 99, 106879.	4.1	44
106	Multi-attribute large-scale group decision making with data mining and subgroup leaders: An application to the development of the circular economy. Technological Forecasting and Social Change, 2021, 167, 120719.	6.2	44
107	Alternative queuing method for multiple criteria decision making with hybrid fuzzy and ranking information. Information Sciences, 2016, 357, 144-160.	4.0	43
108	Hesitant Fuzzy Linguistic Preference Utility Set and Its Application in Selection of Fire Rescue Plans. International Journal of Environmental Research and Public Health, 2018, 15, 664.	1.2	43

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109	Evaluating the green growth indicators to achieve sustainable development: A novel extended interval–valued intuitionistic fuzzy–combined compromise solution approach. Sustainable Development, 2021, 29, 120-142.	6.9	42
110	Managing information measures for hesitant fuzzy linguistic term sets and their applications in designing clustering algorithms. Information Fusion, 2019, 50, 30-42.	11.7	41
111	INTEGRATING BWM AND ARAS UNDER HESITANT LINGUISTIC ENVIRONMENT FOR DIGITAL SUPPLY CHAIN FINANCE SUPPLIER SECTION. Technological and Economic Development of Economy, 2019, 25, 1188-1212.	2.3	41
112	A Choquet integral-based hesitant fuzzy gained and lost dominance score method for multi-criteria group decision making considering the risk preferences of experts: Case study of higher business education evaluation. Information Fusion, 2020, 62, 121-133.	11.7	40
113	Some Algorithms for Group Decision Making with Intuitionistic Fuzzy Preference Information. International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems, 2014, 22, 505-529.	0.9	38
114	Pythagorean fuzzy combined compromise solution method integrating the cumulative prospect theory and combined weights for cold chain logistics distribution center selection. International Journal of Intelligent Systems, 2020, 35, 2009-2031.	3.3	38
115	Nature Disaster Risk Evaluation with a Group Decision Making Method Based on Incomplete Hesitant Fuzzy Linguistic Preference Relations. International Journal of Environmental Research and Public Health, 2018, 15, 751.	1.2	35
116	A multiple attribute group decision making method based on two novel intuitionistic multiplicative distance measures. Information Sciences, 2018, 467, 766-783.	4.0	35
117	Non-cooperative behavior management in group decision making by a conflict resolution process and its implementation for pharmaceutical supplier selection. Information Sciences, 2021, 567, 131-145.	4.0	35
118	An approach to hesitant fuzzy multi-stage multi-criterion decision making. Kybernetes, 2014, 43, 1447-1468.	1.2	34
119	Hesitant Fuzzy Decision Making Methodologies and Applications. Uncertainty and Operations Research, 2017, , .	0.1	34
120	Sustainable Cloud Service Provider Development by a Z-Number-Based DNMA Method with Gini-Coefficient-Based Weight Determination. Sustainability, 2020, 12, 3410.	1.6	32
121	An interactive consensus reaching model with updated weights of clusters in large-scale group decision making. Engineering Applications of Artificial Intelligence, 2022, 107, 104532.	4.3	32
122	Integrating interval-valued multi-granular 2-tuple linguistic BWM-CODAS approach with target-based attributes: Site selection for a construction project. Computers and Industrial Engineering, 2020, 139, 106147.	3.4	31
123	Managing consensus reaching process with self-confident double hierarchy linguistic preference relations in group decision making. Fuzzy Optimization and Decision Making, 2021, 20, 51-79.	3.4	31
124	A Q-RUNG ORTHOPAIR FUZZY GLDS METHOD FOR INVESTMENT EVALUATION OF BE ANGEL CAPITAL IN CHINA. Technological and Economic Development of Economy, 2020, 26, 103-134.	2.3	31
125	Hesitant Fuzzy Linguistic Analytic Hierarchical Process With Prioritization, Consistency Checking, and Inconsistency Repairing. IEEE Access, 2019, 7, 44135-44149.	2.6	30
126	Prioritizing the elective surgery patient admission in a Chinese public tertiary hospital using the hesitant fuzzy linguistic ORESTE method. Applied Soft Computing Journal, 2019, 78, 407-419.	4.1	29

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127	A Comparison of Distinct Consensus Measures for Group Decision Making with Intuitionistic Fuzzy Preference Relations. International Journal of Computational Intelligence Systems, 2017, 10, 456.	1.6	29
128	Underground Mining Method Selection With the Hesitant Fuzzy Linguistic Gained and Lost Dominance Score Method. IEEE Access, 2018, 6, 66442-66458.	2.6	28
129	An Integrated Method with PROMETHEE and Conflict Analysis for Qualitative and Quantitative Decision-Making: Case Study of Site Selection for Wind Power Plants. Cognitive Computation, 2020, 12, 100-114.	3.6	28
130	A consensus reaching process for large‐scale group decision making with heterogeneous preference information. International Journal of Intelligent Systems, 2021, 36, 4560-4591.	3.3	28
131	Inpatient admission assessment in West China Hospital based on hesitant fuzzy linguistic VIKOR method. Journal of Intelligent and Fuzzy Systems, 2016, 30, 3143-3154.	0.8	27
132	Life satisfaction evaluation in earthquake-hit area by the probabilistic linguistic GLDS method integrated with the logarithm-multiplicative analytic hierarchy process. International Journal of Disaster Risk Reduction, 2019, 38, 101190.	1.8	27
133	Delegation Mechanism-Based Large-Scale Group Decision Making With Heterogeneous Experts and Overlapping Communities. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 3542-3555.	5.9	27
134	AN OVERVIEW OF FUZZY TECHNIQUES IN SUPPLY CHAIN MANAGEMENT: BIBLIOMETRICS, METHODOLOGIES, APPLICATIONS AND FUTURE DIRECTIONS. Technological and Economic Development of Economy, 2021, 27, 402-458.	2.3	27
135	Exponential operations of interval-valued intuitionistic fuzzy numbers. International Journal of Machine Learning and Cybernetics, 2016, 7, 501-518.	2.3	26
136	Multiple-attribute decision-making method based on the correlation coefficient between dual hesitant fuzzy linguistic term sets. Knowledge-Based Systems, 2018, 159, 186-192.	4.0	26
137	Efficient-equitable-ecological evaluation of regional water resource coordination considering both visible and virtual water. Omega, 2019, 83, 223-235.	3.6	26
138	Mixed fuzzy least absolute regression analysis with quantitative and probabilistic linguistic information. Fuzzy Sets and Systems, 2020, 387, 35-48.	1.6	26
139	A new sustainability indicator for supply chains: theoretical and practical contribution towards sustainable operations. International Journal of Logistics Research and Applications, 2022, 25, 384-409.	5.6	26
140	Z-number based earned value management (ZEVM): A novel pragmatic contribution towards a possibilistic cost-duration assessment. Computers and Industrial Engineering, 2020, 143, 106430.	3.4	26
141	Dynamic subgroup-quality-based consensus in managing consistency, nearness, and evenness quality indices for large-scale group decision making under hesitant environment. Journal of the Operational Research Society, 2021, 72, 865-878.	2.1	26
142	Customer-oriented product and service design by a novel quality function deployment framework with complex linguistic evaluations. Information Processing and Management, 2021, 58, 102469.	5.4	26
143	Failure mode and effect analysis considering the fairness-oriented consensus of a large group with core-periphery structure. Reliability Engineering and System Safety, 2021, 215, 107821.	5.1	26
144	Early lung cancer screening using double normalization-based multi-aggregation (DNMA) and Delphi methods with hesitant fuzzy information. Computers and Industrial Engineering, 2019, 136, 453-463.	3.4	25

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145	A hybrid multi-criteria decision making model for elective admission control in a Chinese public hospital. Knowledge-Based Systems, 2019, 173, 37-51.	4.0	25
146	A gained and lost dominance score II method for modelling group uncertainty: Case study of site selection of electric vehicle charging stations. Journal of Cleaner Production, 2020, 262, 121239.	4.6	25
147	Managing patient satisfaction in a blood-collection room by the probabilistic linguistic gained and lost dominance score method integrated with the best-worst method. Computers and Industrial Engineering, 2020, 145, 106547.	3.4	25
148	Evaluation of cloud vendors from probabilistic linguistic information with unknown/partial weight values. Applied Soft Computing Journal, 2020, 97, 106801.	4.1	24
149	Dynamic assessment of Internet public opinions based on the probabilistic linguistic Bayesian network and Prospect theory. Applied Soft Computing Journal, 2021, 106, 107359.	4.1	24
150	Consistency Measures of Linguistic Preference Relations With Hedges. IEEE Transactions on Fuzzy Systems, 2019, 27, 372-386.	6.5	23
151	A projection method for multiple attribute group decision making with probabilistic linguistic term sets. International Journal of Machine Learning and Cybernetics, 2019, 10, 2515-2528.	2.3	23
152	Group decision making with compatibility measures of hesitant fuzzy linguistic preference relations. Soft Computing, 2019, 23, 1511-1527.	2.1	23
153	Modeling personalized cognition of customers in online shopping. Omega, 2021, 104, 102471.	3.6	23
154	CONSENSUS BASED ON MULTIPLICATIVE CONSISTENT DOUBLE HIERARCHY LINGUISTIC PREFERENCES: VENTURE CAPITAL IN REAL ESTATE MARKET. International Journal of Strategic Property Management, 2019, 24, 1-23.	0.8	23
155	Automatic procedures for group decision making with intuitionistic fuzzy preference relations. Journal of Intelligent and Fuzzy Systems, 2014, 27, 2341-2353.	0.8	22
156	Inclusion measures of probabilistic linguistic term sets and their application in classifying cities in the Economic Zone of Chengdu Plain. Applied Soft Computing Journal, 2019, 82, 105572.	4.1	22
157	Distance-based consensus reaching process for group decision making with intuitionistic multiplicative preference relations. Applied Soft Computing Journal, 2020, 88, 106045.	4.1	22
158	Grey Best-Worst Method for Multiple Experts Multiple Criteria Decision Making Under Uncertainty. Informatica, 2020, , 331-357.	1.5	22
159	Multiplicative consistency analysis for qâ€rung orthopair fuzzy preference relation. International Journal of Intelligent Systems, 2020, 35, 38-71.	3.3	21
160	An Improved CoCoSo Method with a Maximum Variance Optimization Model for Cloud Service Provider Selection. Engineering Economics, 2020, 31, 411-424.	1.5	21
161	Information representation of blockchain technology: Risk evaluation of investment by personalized quantifier with cubic spline interpolation. Information Processing and Management, 2021, 58, 102571.	5.4	20
162	MACONT: Mixed Aggregation by Comprehensive Normalization Technique for Multi-Criteria Analysis. Informatica, 2020, , 1-24.	1.5	20

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163	A Hesitant Fermatean Fuzzy CoCoSo Method for Group Decision-Making and an Application to Blockchain Platform Evaluation. International Journal of Fuzzy Systems, 2022, 24, 2643-2661.	2.3	20
164	Power average-based score function and extension rule of hesitant fuzzy set and the hesitant power average operators. Journal of Intelligent and Fuzzy Systems, 2018, 35, 3873-3882.	0.8	19
165	An improved MULTIMOORA method with combined weights and its application in assessing the innovative ability of universities. Expert Systems, 2019, 36, e12362.	2.9	19
166	A probabilistic linguistic-based deviation method for multi-expert qualitative decision making with aspirations. Applied Soft Computing Journal, 2020, 93, 106362.	4.1	19
167	APPLICATIONS OF FUZZY MULTIPLE CRITERIA DECISION MAKING METHODS IN CIVIL ENGINEERING: A STATE-OF-THE-ART SURVEY. Journal of Civil Engineering and Management, 2021, 27, 358-371.	1.9	19
168	An Extended Intuitionistic Fuzzy Multi-Attributive Border Approximation Area Comparison Approach for Smartphone Selection Using Discrimination Measures. Informatica, 2021, , 119-143.	1.5	19
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