

Xinwang Liu

List of Publications by Year in descending order

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94
papers

3,743
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citing authors

#	ARTICLE	IF	CITATIONS
1	A Quantum Framework for Modeling Interference Effects in Linguistic Distribution Multiple Criteria Group Decision Making. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 3492-3507.	5.9	11
2	A likelihood-based ORESTE method for failure mode and effect analysis (FMEA) based risk analysis problem under interval type-2 fuzzy environment. <i>Quality and Reliability Engineering International</i> , 2022, 38, 304-325.	1.4	9
3	Can imported cold food cause COVID-19 recurrent outbreaks? A review. <i>Environmental Chemistry Letters</i> , 2022, 20, 119-129.	8.3	20
4	An interval 2-Tuple linguistic Fine-Kinney model for risk analysis based on extended ORESTE method with cumulative prospect theory. <i>Information Fusion</i> , 2022, 78, 40-56.	11.7	40
5	A New Clustering Algorithm With Preference Adjustment Cost to Reduce the Cooperation Complexity in Large-Scale Group Decision Making. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 5271-5283.	5.9	13
6	Behavioral Risky Multiple Attribute Decision Making with Interval Type-2 Fuzzy Ranking Method and TOPSIS Method. <i>International Journal of Information Technology and Decision Making</i> , 2022, 21, 665-705.	2.3	3
7	Trust-Consensus Multiplex Networks by Combining Trust Social Network Analysis and Consensus Evolution Methods in Group Decision-Making. <i>IEEE Transactions on Fuzzy Systems</i> , 2022, 30, 4741-4753.	6.5	11
8	Managing minority opinions in large-scale group decision making based on community detection and group polarization. <i>Computers and Industrial Engineering</i> , 2022, 170, 108337.	3.4	7
9	Operational risk assessment of railway train based on type-2 intuitionistic fuzzy set and dynamic VIKOR approach. <i>Journal of Transportation Safety and Security</i> , 2021, 13, 1025-1046.	1.1	4
10	A hybrid risk prioritization method based on generalized TODIM and BWM for Fine-Kinney under interval type-2 fuzzy environment. <i>Human and Ecological Risk Assessment (HERA)</i> , 2021, 27, 954-979.	1.7	30
11	An extended CREAM model based on analytic network process under the type-2 fuzzy environment for human reliability analysis in the high-speed train operation. <i>Quality and Reliability Engineering International</i> , 2021, 37, 284-308.	1.4	15
12	Balance Dynamic Clustering Analysis and Consensus Reaching Process With Consensus Evolution Networks in Large-Scale Group Decision Making. <i>IEEE Transactions on Fuzzy Systems</i> , 2021, 29, 357-371.	6.5	40
13	An Extended Interval Type-2 Fuzzy ORESTE Method for Risk Analysis in FMEA. <i>International Journal of Fuzzy Systems</i> , 2021, 23, 1379-1395.	2.3	21
14	A new type-2 fuzzy multi-criteria hybrid method for rail transit operation safety assessment. <i>Applied Soft Computing Journal</i> , 2021, 113, 107927.	4.1	4
15	A New Approach for Occupational Risk Evaluation of Natural Gas Pipeline Construction with Extended Cumulative Prospect Theory. <i>International Journal of Fuzzy Systems</i> , 2021, 23, 158-181.	2.3	18
16	An extension approach of TOPSIS method with OWAD operator for multiple criteria decision-making. <i>Granular Computing</i> , 2020, 5, 135-148.	4.4	20
17	The minimum cost consensus model considering the implicit trust of opinions similarities in social network group decision-making. <i>International Journal of Intelligent Systems</i> , 2020, 35, 470-493.	3.3	33
18	Trapezoidal Interval Type-2 Fuzzy TOPSIS Using Alpha-Cuts. <i>International Journal of Fuzzy Systems</i> , 2020, 22, 293-309.	2.3	23

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19	Behavioral DEA model and its application to the efficiency evaluation of manufacturing transformation and upgrading in the Yangtze River Delta. <i>Soft Computing</i> , 2020, 24, 10721-10738.	2.1	14
20	Failure Mode and Effect Analysis for Machine Tool Risk Analysis Using Extended Gained and Lost Dominance Score Method. <i>IEEE Transactions on Reliability</i> , 2020, 69, 954-967.	3.5	33
21	An Extended FMEA Model Based on Cumulative Prospect Theory and Type-2 Intuitionistic Fuzzy VIKOR for the Railway Train Risk Prioritization. <i>Entropy</i> , 2020, 22, 1418.	1.1	26
22	Social network community analysis based large-scale group decision making approach with incomplete fuzzy preference relations. <i>Information Fusion</i> , 2020, 60, 98-120.	11.7	108
23	An interval type-2 fuzzy trust evaluation model in social commerce. <i>Computational Intelligence</i> , 2019, 35, 1113-1131.	2.1	3
24	An extended generalized TODIM method for risk assessment of supply chain in social commerce under interval type-2 fuzzy environment. <i>Journal of Intelligent and Fuzzy Systems</i> , 2019, 37, 8551-8565.	0.8	8
25	Consensus evolution networks: A consensus reaching tool for managing consensus thresholds in group decision making. <i>Information Fusion</i> , 2019, 52, 375-388.	11.7	50
26	Risk prioritization for failure modes with extended MULTIMOORA method under interval type-2 fuzzy environment. <i>Journal of Intelligent and Fuzzy Systems</i> , 2019, 36, 1417-1429.	0.8	21
27	A two-stage social trust network partition model for large-scale group decision-making problems. <i>Knowledge-Based Systems</i> , 2019, 163, 632-643.	4.0	114
28	An extended generalized TODIM for risk evaluation and prioritization of failure modes considering risk indicators interaction. <i>IIE Transactions</i> , 2019, 51, 1236-1250.	1.6	44
29	The solution for fuzzy large-scale group decision making problems combining internal preference information and external social network structures. <i>Soft Computing</i> , 2019, 23, 9025-9043.	2.1	18
30	An extended HFACS based risk analysis approach for human error accident with interval type-2 fuzzy sets and prospect theory. <i>Journal of Intelligent and Fuzzy Systems</i> , 2019, 37, 8381-8395.	0.8	5
31	Three-way group decisions based on prospect theory. <i>Journal of the Operational Research Society</i> , 2018, 69, 25-35.	2.1	32
32	A linguistic solution for double large-scale group decision-making in E-commerce. <i>Computers and Industrial Engineering</i> , 2018, 116, 97-112.	3.4	60
33	An interval type-2 fuzzy TOPSIS model for large scale group decision making problems with social network information. <i>Information Sciences</i> , 2018, 432, 392-410.	4.0	176
34	A commuter departure-time model based on cumulative prospect theory. <i>Mathematical Methods of Operations Research</i> , 2018, 87, 285-307.	0.4	3
35	A Group Decision Making Approach Based on Newly Defined Additively Consistent Interval-Valued Intuitionistic Preference Relations. <i>International Journal of Fuzzy Systems</i> , 2018, 20, 1027-1046.	2.3	8
36	Assessing contributory factors in potential systemic accidents using AcciMap and integrated fuzzy ISM - MICMAC approach. <i>International Journal of Industrial Ergonomics</i> , 2018, 68, 311-326.	1.5	39

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37	Granular computing in decision-making. <i>Granular Computing</i> , 2018, 3, 191-192.	4.4	3
38	A modified HEART method with FANP for human error assessment in high-speed railway dispatching tasks. <i>International Journal of Industrial Ergonomics</i> , 2018, 67, 242-258.	1.5	50
39	A fuzzy Fine-Kinney-based risk evaluation approach with extended MULTIMOORA method based on Choquet integral. <i>Computers and Industrial Engineering</i> , 2018, 125, 111-123.	3.4	65
40	A risk evaluation and prioritization method for FMEA with prospect theory and Choquet integral. <i>Safety Science</i> , 2018, 110, 152-163.	2.6	127
41	A multiple attribute interval type-2 fuzzy group decision making and its application to supplier selection with extended LINMAP method. <i>Soft Computing</i> , 2017, 21, 3207-3226.	2.1	65
42	A prospect theory based MADM method for solar water heater selection problems. <i>Journal of Intelligent and Fuzzy Systems</i> , 2017, 32, 1855-1865.	0.8	4
43	An extended TODIM multi-criteria group decision making method for green supplier selection in interval type-2 fuzzy environment. <i>European Journal of Operational Research</i> , 2017, 258, 626-638.	3.5	505
44	A prospect theory based approach to multiple attribute decision making considering the decision maker's attitudinal character. <i>Journal of Intelligent and Fuzzy Systems</i> , 2017, 32, 2563-2578.	0.8	5
45	A improved algorithm for fuzzy multistage portfolio optimization model. , 2016, , .		1
46	Social network analysis based approach to group decision making problem with fuzzy preference relations. <i>Journal of Intelligent and Fuzzy Systems</i> , 2016, 31, 1271-1285.	0.8	38
47	Possibility mean and variation coefficient based ranking methods for type-1 fuzzy numbers and interval type-2 fuzzy numbers. <i>Journal of Intelligent and Fuzzy Systems</i> , 2016, 30, 2157-2168.	0.8	10
48	An interval type-2 fuzzy clustering solution for large-scale multiple-criteria group decision-making problems. <i>Knowledge-Based Systems</i> , 2016, 114, 118-127.	4.0	80
49	Multi-attribute group decision making based on Choquet integral under interval-valued intuitionistic fuzzy environment. <i>International Journal of Computational Intelligence Systems</i> , 2016, 9, 133.	1.6	30
50	A Sample Survey Based Linguistic MADM Method with Prospect Theory for Online Shopping Problems. <i>Group Decision and Negotiation</i> , 2016, 25, 749-774.	2.0	14
51	An analytical solution to the TOPSIS model with interval type-2 fuzzy sets. <i>Soft Computing</i> , 2016, 20, 1213-1230.	2.1	24
52	Approaches to interval type-2 fuzzy multiple attribute group decision making based on grey incidence analysis and FTP utility function. , 2015, , .		1
53	An extended three-way decision and its application in member selection. <i>Journal of Intelligent and Fuzzy Systems</i> , 2015, 28, 2095-2106.	0.8	6
54	A novel three-way decision based on linguistic evaluation. , 2015, , .		1

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55	Two decision making models based on newly defined additively consistent intuitionistic preference relation. , 2015, , .		1
56	An extended VIKOR method based on prospect theory for multiple attribute decision making under interval type-2 fuzzy environment. Knowledge-Based Systems, 2015, 86, 116-130.	4.0	163
57	Dynamic risk assessment of metro station with interval type-2 fuzzy set and TOPSIS method. Journal of Intelligent and Fuzzy Systems, 2015, 29, 93-106.	0.8	25
58	A fuzzy ANP with interval type-2 fuzzy sets approach to evaluate enterprise technological innovation ability. , 2015, , .		4
59	Hesitant Fuzzy Maclaurin Symmetric Mean Operators and Its Application to Multiple-Attribute Decision Making. International Journal of Fuzzy Systems, 2015, 17, 509-520.	2.3	57
60	Multi-attribute group decision making using combined ranking value under interval type-2 fuzzy environment. Information Sciences, 2015, 297, 293-315.	4.0	119
61	An approach to intuitionistic fuzzy multiple attribute decision making based on Maclaurin symmetric mean operators. Journal of Intelligent and Fuzzy Systems, 2014, 27, 2177-2190.	0.8	112
62	Parametric WOWA operator and its application in dynamic decision making. Journal of Intelligent and Fuzzy Systems, 2014, 27, 475-486.	0.8	1
63	A method for estimating criteria weights from interval-valued intuitionistic fuzzy preference relation. , 2014, , .		0
64	A mathematical programming method for the multiple attribute decision making with interval intuitionistic fuzzy values. , 2014, , .		0
65	Frank Aggregation Operators for Triangular Interval Type-2 Fuzzy Set and Its Application in Multiple Attribute Group Decision Making. Journal of Applied Mathematics, 2014, 2014, 1-24.	0.4	17
66	Parametric Weighting Function for WOWA Operator and Its Application in Decision Making. International Journal of Intelligent Systems, 2014, 29, 119-136.	3.3	3
67	A distance based ranking methods for type-1 fuzzy numbers and interval type-2 fuzzy numbers. , 2014, , .		1
68	SOME HESITANT FUZZY GEOMETRIC OPERATORS AND THEIR APPLICATION TO MULTIPLE ATTRIBUTE GROUP DECISION MAKING. Technological and Economic Development of Economy, 2014, 20, 371-390.	2.3	10
69	SOME OPERATIONS OVER ATANASSOV'S INTUITIONISTIC FUZZY SETS BASED ON EINSTEIN T-NORM AND T-CONORM. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2013, 21, 263-276.	0.9	16
70	AN ANALYTICAL SOLUTION METHOD FOR THE GENERALIZED FUZZY WEIGHTED AVERAGE PROBLEM. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2013, 21, 455-480.	0.9	14
71	Simplified Interval Type-2 Fuzzy Logic Systems. IEEE Transactions on Fuzzy Systems, 2013, 21, 1056-1069.	6.5	175
72	Parametric WOWA operator and its application in decision making. , 2013, , .		1

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73	A new solution of multiplicative consistency for incomplete fuzzy preference relation for group decision making. , 2013, , .		0
74	Interval-valued intuitionistic fuzzy hybrid weighted averaging operator based on Einstein operation and its application to decision making. Journal of Intelligent and Fuzzy Systems, 2013, 25, 279-290.	0.8	52
75	Parametric Extension of the Most Preferred OWA Operator and Its Application in Search Engine's Rank. Journal of Applied Mathematics, 2013, 2013, 1-10.	0.4	3
76	Fuzzy logic based security region evaluation of the urban rail transit operating system. , 2013, , .		0
77	Three new uncertainty bound methods of Karnik-Mendel algorithms. , 2013, , .		0
78	PARAMETERIZED 2-TUPLE LINGUISTIC MOST PREFERRED OWA OPERATORS AND THEIR APPLICATION IN DECISION MAKING. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2013, 21, 799-819.	0.9	3
79	Extension of Karnik-Mendel algorithms with uncertainty bound method. , 2012, , .		0
80	Interval-valued intuitionistic fuzzy aggregation operators. Journal of Systems Engineering and Electronics, 2012, 23, 574-580.	1.1	47
81	Direct centroid computation of fuzzy numbers. , 2012, , .		1
82	Some interval-valued intuitionistic fuzzy geometric aggregation operators based on einstein operations. , 2012, , .		11
83	New closed-form solutions for Karnik-Mendel algorithm+defuzzification of an interval type-2 fuzzy set. , 2012, , .		16
84	Intuitionistic Fuzzy Information Aggregation Using Einstein Operations. IEEE Transactions on Fuzzy Systems, 2012, 20, 923-938.	6.5	317
85	Fast and direct Karnik-Mendel algorithm computation for the centroid of an interval type-2 fuzzy set. , 2012, , .		7
86	On the Stress Function-Based OWA Determination Method With Optimization Criteria. IEEE Transactions on Systems, Man, and Cybernetics, 2012, 42, 246-257.	5.5	13
87	Intuitionistic fuzzy geometric aggregation operators based on einstein operations. International Journal of Intelligent Systems, 2011, 26, 1049-1075.	3.3	286
88	Analytical solution for symmetrical OWA operator determination with given medianness level. , 2011, , .		0
89	THE RELATIONSHIPS BETWEEN TWO VARIABILITY AND ORNESS OPTIMIZATION PROBLEMS FOR OWA OPERATOR WITH RIM QUANTIFIER EXTENSIONS. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2010, 18, 515-538.	0.9	1
90	On the properties of regular increasing monotone (RIM) quantifiers with maximum entropy. International Journal of General Systems, 2008, 37, 167-179.	1.2	17

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91	Some properties of the weighted OWA operator. IEEE Transactions on Systems, Man, and Cybernetics, 2006, 36, 118-127.	5.5	86
92	Parameterized additive neat OWA operators with different orness levels. International Journal of Intelligent Systems, 2006, 21, 1045-1072.	3.3	21
93	Preference solutions of probability decision making with rim quantifiers. International Journal of Intelligent Systems, 2005, 20, 1253-1271.	3.3	13
94	On the methods of decision making under uncertainty with probability information. International Journal of Intelligent Systems, 2004, 19, 1217-1238.	3.3	17