Decui Liang

List of Publications by Year
in descending order

73 papers	3,778 citations	156536 32 h-index	145109 60 g-index
73 all docs	73 docs citations	73 times ranked	1496 citing authors

#	Article	IF	Citations
1	A New Coordination Service Design Method for Government Website Considering the Kansei Needs and the Fairness of User Groups. IEEE Transactions on Engineering Management, 2024, 71, 1912-1926.	2.4	0
2	Two-Stage Assignment Classification Model Based on an Improved AHPSort II With Heterogeneous Criteria for Location Selection of Electric Vehicle Charging Stations. IEEE Transactions on Engineering Management, 2024, 71, 2241-2254.	2.4	3
3	Sustainable Modern Agricultural Technology Assessment by a Multistakeholder Transdisciplinary Approach. IEEE Transactions on Engineering Management, 2023, 70, 1061-1075.	2.4	7
4	Risk Assessment in Failure Mode and Effect Analysis: Improved ORESTE Method With Hesitant Pythagorean Fuzzy Information. IEEE Transactions on Engineering Management, 2023, 70, 2115-2137.	2.4	17
5	A group-based FMEA approach with dynamic heterogeneous social network consensus reaching model for uncertain reliability assessment. Journal of the Operational Research Society, 2023, 74, 33-47.	2.1	16
6	A heterogeneous opinion-driven decision-support model for touristsâ€™ selection with different travel needs in online reviews. Journal of the Operational Research Society, 2023, 74, 272-289.	2.1	14
7	Multi-attribute strict two-sided matching methods with interval-valued preference ordinal information. Journal of Experimental and Theoretical Artificial Intelligence, 2022, 34, 545-569.	1.8	6
8	Consensus reaching with the externality effect of social network for three-way group decisions. Annals of Operations Research, 2022, 315, 707-745.	2.6	17
9	Loss Function Information Fusion and Decision Rule Deduction of Three-Way Decision by Constructing Interval-Valued q-Rung Orthopair Fuzzy Integral. IEEE Transactions on Fuzzy Systems, 2022, 30, 3645-3660.	6.5	14
10	Time-Varying Intuitionistic Fuzzy Integral for Emergency Materials Demand Prediction With Case-Based Reasoning. IEEE Transactions on Fuzzy Systems, 2022, 30, 3617-3632.	6.5	4
11	Exploring ensemble oversampling method for imbalanced keyword extraction learning in policy text based on three-way decisions and SMOTE. Expert Systems With Applications, 2022, 188, 116051.	4.4	13
12	Three-way group consensus decision based on hierarchical social network consisting of decision makers and participants. Information Sciences, 2022, 585, 289-312.	4.0	30
13	Probabilistic linguistic WASPAS method for patientsâ€™ prioritization by developing prioritized Maclaurin symmetric mean aggregation operators. Applied Intelligence, 2022, 52, 9537-9555.	3.3	11
14	Novel AQM analysis approach based on similarity and dissimilarity measures of interval set for multi-expert multi-criterion decision making. International Journal of Approximate Reasoning, 2022, 142, 266-289.	1.9	2
15	Modeling customer satisfaction through online reviews: A FlowSort group decision model under probabilistic linguistic settings. Expert Systems With Applications, 2022, 195, 116649.	4.4	26
16	Consensus achievement strategy of opinion dynamics based on deep reinforcement learning with time constraint. Journal of the Operational Research Society, 2022, 73, 2741-2755.	2.1	1
17	Tri-reference point method for q-rung orthopair fuzzy multiple attribute decision making by considering the interaction of attributes with Bayesian network. Engineering Applications of Artificial Intelligence, 2022, 112, 104838.	4.3	5
18	Hospital health-care delivery quality evaluation in Ghana: An integrated medical triangular fuzzy MULTIMOORA approach. Information Sciences, 2022, 605, 99-118.	4.0	14

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19	Opinion dynamics based on infectious disease transmission model in the non-connected context of Pythagorean fuzzy trust relationship. Journal of the Operational Research Society, 2021, 72, 2783-2803.	2.1	6
20	The evaluation of mobile health apps: A psychological perception-based probabilistic linguistic belief thermodynamic multiple attribute decision making method. Journal of the Operational Research Society, 2021, 72, 2596-2610.	2.1	15
21	Assessing customer satisfaction of O2O takeaway based on online reviews by integrating fuzzy comprehensive evaluation with AHP and probabilistic linguistic term sets. Applied Soft Computing Journal, 2021, 98, 106847.	4.1	53
22	Two-stage three-way enhanced technique for ensemble learning in inclusive policy text classification. Information Sciences, 2021, 547, 271-288.	4.0	39
23	Multi-classification decision-making method for interval-valued intuitionistic fuzzy three-way decisions and its application in the group decision-making. International Journal of Machine Learning and Cybernetics, 2021, 12, 661-687.	2.3	7
24	Risk interval-valued three-way decisions model with regret theory and its application to project resource allocation. Journal of the Operational Research Society, 2021, 72, 180-199.	2.1	36
25	A novel approach of two-stage three-way co-opetition decision for crowdsourcing task allocation scheme. Information Sciences, 2021, 559, 191-211.	4.0	23
26	A novel approach of three-way decisions with information interaction strategy for intelligent decision making under uncertainty. Information Sciences, 2021, 581, 106-135.	4.0	17
27	Risk appetite dual hesitant fuzzy three-way decisions with TODIM. Information Sciences, 2020, 507, 585-605.	4.0	94
28	Partitioned fuzzy measure-based linear assignment method for Pythagorean fuzzy multi-criteria decision-making with a new likelihood. Journal of the Operational Research Society, 2020, 71, 831-845.	2.1	21
29	Some q-rung orthopair fuzzy Hamacher aggregation operators and their application to multiple attribute group decision making with modified EDAS method. Engineering Applications of Artificial Intelligence, 2020, 87, 103259.	4.3	134
30	Interval-valued pythagorean fuzzy power average-based MULTIMOORA method for multi-criteria decision-making. Journal of Experimental and Theoretical Artificial Intelligence, 2020, 32, 845-874.	1.8	35
31	Multi-attribute dynamic two-sided matching method of talent sharing market in incomplete preference ordinal environment. Applied Soft Computing Journal, 2020, 93, 106427.	4.1	37
32	Web celebrity shop assessment and improvement based on online review with probabilistic linguistic term sets by using sentiment analysis and fuzzy cognitive map. Fuzzy Optimization and Decision Making, 2020, 19, 561-586.	3.4	26
33	An extended COPRAS method for multiattribute group decision making based on dual hesitant fuzzy Maclaurin symmetric mean. International Journal of Intelligent Systems, 2020, 35, 1021-1068.	3.3	30
34	Sequential three-way multiple attribute group decisions with individual attributes and its consensus achievement based on social influence. Information Sciences, 2020, 518, 286-308.	4.0	28
35	Multi-Class Decision-Making Method for Decision-Theoretic Rough Sets Based on the Constructive Covering Algorithm. IEEE Access, 2020, 8, 57833-57848.	2.6	2
36	Opinion dynamics and consensus achievement strategy based on reinforcement learning. , 2020, , .		2

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37	q‑Rung orthopair fuzzy sets‑based decision‑theoretic rough sets for three‑way decisions under group decision making. International Journal of Intelligent Systems, 2019, 34, 3139-3167.	3.3	34
38	<i>q</i> ‑Rung orthopair fuzzy Choquet integral aggregation and its application in heterogeneous multicriteria two‑sided matching decision making. International Journal of Intelligent Systems, 2019, 34, 3275-3301.	3.3	45
39	Aggregation of dual hesitant fuzzy heterogenous related information with extended Bonferroni mean and its application to MULTIMOORA. Computers and Industrial Engineering, 2019, 135, 156-176.	3.4	22
40	Heterogeneous multi-attribute nonadditivity fusion for behavioral three-way decisions in interval type-2 fuzzy environment. Information Sciences, 2019, 496, 242-263.	4.0	53
41	Pythagorean fuzzy VIKOR approaches based on TODIM for evaluating internet banking website quality of Ghanaian banking industry. Applied Soft Computing Journal, 2019, 78, 583-594.	4.1	124
42	Pythagorean Fuzzy Partitioned Geometric Bonferroni Mean and Its Application to Multi-criteria Group Decision Making with Grey Relational Analysis. International Journal of Fuzzy Systems, 2019, 21, 115-128.	2.3	33
43	Interval-valued Pythagorean fuzzy extended Bonferroni mean for dealing with heterogenous relationship among attributes. International Journal of Intelligent Systems, 2018, 33, 1381-1411.	3.3	36
44	Pythagorean fuzzy Bonferroni mean aggregation operator and its accelerative calculating algorithm with the multithreading. International Journal of Intelligent Systems, 2018, 33, 615-633.	3.3	94
45	Method for three-way decisions using ideal TOPSIS solutions at Pythagorean fuzzy information. Information Sciences, 2018, 435, 282-295.	4.0	240
46	Information Aggregation of Hesitant Fuzzy Interval Sets for Multicriteria Decision-Making. Computing in Science and Engineering, 2018, 20, 38-51.	1.2	7
47	Grey Relational Analysis Method for Probabilistic Linguistic Multi-criteria Group Decision-Making Based on Geometric Bonferroni Mean. International Journal of Fuzzy Systems, 2018, 20, 2234-2244.	2.3	76
48	Three-Way Decisions with Interval-Valued Intuitionistic Fuzzy Decision-Theoretic Rough Sets in Group Decision-Making. Symmetry, 2018, 10, 281.	1.1	16
49	The linear assignment method for multicriteria group decision making based on interval-valued Pythagorean fuzzy Bonferroni mean. International Journal of Intelligent Systems, 2018, 33, 2101-2138.	3.3	32
50	Determining Three-Way Decisions With Decision-Theoretic Rough Sets Using a Relative Value Approach. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1785-1799.	5.9	39
51	Three-way decisions based on decision-theoretic rough sets with dual hesitant fuzzy information. Information Sciences, 2017, 396, 127-143.	4.0	87
52	Projection Model for Fusing the Information of Pythagorean Fuzzy Multicriteria Group Decision Making Based on Geometric Bonferroni Mean. International Journal of Intelligent Systems, 2017, 32, 966-987.	3.3	117
53	Adaptive relay detection using primary and auxiliary detectors for tracking. Multimedia Tools and Applications, 2017, 76, 24299-24313.	2.6	1
54	Three-way decisions in ordered decision system. Knowledge-Based Systems, 2017, 137, 182-195.	4.0	69

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55	The new extension of TOPSIS method for multiple criteria decision making with hesitant Pythagorean fuzzy sets. Applied Soft Computing Journal, 2017, 60, 167-179.	4.1	254
56	A New Aggregation Method-Based Error Analysis for Decision-Theoretic Rough Sets and Its Application in Hesitant Fuzzy Information Systems. IEEE Transactions on Fuzzy Systems, 2017, 25, 1685-1697.	6.5	34
57	Three-way decisions with intuitionistic fuzzy decision-theoretic rough sets based on point operators. Information Sciences, 2017, 375, 183-201.	4.0	82
58	Probabilistic Linguistic Power Aggregation Operators for Multi-Criteria Group Decision Making. Symmetry, 2017, 9, 320.	1.1	53
59	Three-Way Decisions with DEA Approach. Lecture Notes in Computer Science, 2017, , 226-237.	1.0	1
60	Three-way group decisions with decision-theoretic rough sets. Information Sciences, 2016, 345, 46-64.	4.0	82
61	A novel three-way decision model based on incomplete information system. Knowledge-Based Systems, 2016, 91, 32-45.	4.0	221
62	Deriving three-way decisions from intuitionistic fuzzy decision-theoretic rough sets. Information Sciences, 2015, 300, 28-48.	4.0	175
63	Three-way decisions based on decision-theoretic rough sets under linguistic assessment with the aid of group decision making. Applied Soft Computing Journal, 2015, 29, 256-269.	4.1	162
64	A Novel Risk Decision Making Based on Decision-Theoretic Rough Sets Under Hesitant Fuzzy Information. IEEE Transactions on Fuzzy Systems, 2015, 23, 237-247.	6.5	174
65	Systematic studies on three-way decisions with interval-valued decision-theoretic rough sets. Information Sciences, 2014, 276, 186-203.	4.0	144
66	Incorporating logistic regression to decision-theoretic rough sets for classifications. International Journal of Approximate Reasoning, 2014, 55, 197-210.	1.9	160
67	An Overview of Function Based Three-Way Decisions. Lecture Notes in Computer Science, 2014, , 812-823.	1.0	5
68	Three-Way Decisions in Stochastic Decision-Theoretic Rough Sets. Lecture Notes in Computer Science, 2014, , 110-130.	1.0	10
69	Triangular fuzzy decision-theoretic rough sets. International Journal of Approximate Reasoning, 2013, 54, 1087-1106.	1.9	166
70	THREE-WAY GOVERNMENT DECISION ANALYSIS WITH DECISION-THEORETIC ROUGH SETS. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2012, 20, 119-132.	0.9	104
71	Decision-Theoretic Rough Sets with Probabilistic Distribution. Lecture Notes in Computer Science, 2012, , 389-398.	1.0	15
72	Incremental induction interesting knowledge based on the change of attribute values in incomplete information systems. , 2010, , .		0

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73	Credit rating of sustainable agricultural supply chain finance by integrating heterogeneous evaluation information and misclassification risk. Annals of Operations Research, 0, , 1.	2.6	6