Yating Liu

List of Publications by Year
in descending order

63 papers	7,067 citations	70961 41 h-index	133063 59 g-index
63 all docs	63 docs citations	63 times ranked	1805 citing authors

#	Article	IF	Citations
1	Consistency-Driven Methodology to Manage Incomplete Linguistic Preference Relation: A Perspective Based on Personalized Individual Semantics. IEEE Transactions on Cybernetics, 2022, 52, 6170-6180.	6.2	9
2	How to determine the consensus threshold in group decision making: a method based on efficiency benchmark using benefit and cost insight. Annals of Operations Research, 2022, 316, 143-177.	2.6	31
3	Analysis of Ranking Consistency in Linguistic Multiple Attribute Decision Making: The Roles of Granularity and Decision Rules. IEEE Transactions on Fuzzy Systems, 2022, 30, 2266-2278.	6.5	4
4	A Clustering Method with Historical Data to Support Large-Scale Consensus-Reaching Process in Group Decision-Making. International Journal of Computational Intelligence Systems, 2022, 15, 1.	1.6	9
5	Deriving 2-ranks from multiplicative preference relations in a group context: An investigation with axiomatic design. Computers and Industrial Engineering, 2022, 168, 108106.	3.4	5
6	Classification-based strategic weight manipulation in multiple attribute decision making. Expert Systems With Applications, 2022, 197, 116781.	4.4	23
7	Linguistic Opinions Dynamics Based on Personalized Individual Semantics. IEEE Transactions on Fuzzy Systems, 2021, 29, 2453-2466.	6.5	27
8	Maximum Fuzzy Consensus Feedback Mechanism With Minimum Cost and Private Interest in Group Decision-Making. IEEE Transactions on Fuzzy Systems, 2021, 29, 2689-2700.	6.5	28
9	Consensus Reaching and Strategic Manipulation in Group Decision Making With Trust Relationships. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6304-6318.	5.9	128
10	Linguistic Distribution and Priority-Based Approximation to Linguistic Preference Relations With Flexible Linguistic Expressions in Decision Making. IEEE Transactions on Cybernetics, 2021, 51, 649-659.	6.2	45
11	Managing Consensus With Minimum Adjustments in Group Decision Making With Opinions Evolution. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 2299-2311.	5.9	53
12	Managing Ignorance Elements and Personalized Individual Semantics Under Incomplete Linguistic Distribution Context in Group Decision Making. Group Decision and Negotiation, 2021, 30, 97-118.	2.0	64
13	Distributed linguistic representations in decision making: Taxonomy, key elements and applications, and challenges in data science and explainable artificial intelligence. Information Fusion, 2021, 65, 165-178.	11.7	138
14	A Personalized Feedback Mechanism Based on Bounded Confidence Learning to Support Consensus Reaching in Group Decision Making. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 3900-3910.	5.9	86
15	Numerical Interval Opinion Dynamics in Social Networks: Stable State and Consensus. IEEE Transactions on Fuzzy Systems, 2021, 29, 584-598.	6.5	22
16	Linguistic scale consistency issues in multi-granularity decision making contexts. Applied Soft Computing Journal, 2021, 101, 107035.	4.1	9
17	Consensus and opinion evolution-based failure mode and effect analysis approach for reliability management in social network and uncertainty contexts. Reliability Engineering and System Safety, 2021, 208, 107425.	5.1	58
18	Linguistic Distribution-Based Optimization Approach for Large-Scale GDM With Comparative Linguistic Information: An Application on the Selection of Wastewater Disinfection Technology. IEEE Transactions on Fuzzy Systems, 2020, 28, 376-389.	6.5	64

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19	The classification-based consensus in multi-attribute group decision-making. Journal of the Operational Research Society, 2020, 71, 1375-1389.	2.1	23
20	Consensus mechanism with maximum-return modifications and minimum-cost feedback: A perspective of game theory. European Journal of Operational Research, 2020, 287, 546-559.	3.5	104
21	Linguistic group decision making: Axiomatic distance and minimum cost consensus. Information Sciences, 2020, 541, 242-258.	4.0	16
22	Personalized individual semantics-based approach for linguistic failure modes and effects analysis with incomplete preference information. IISE Transactions, 2020, 52, 1275-1296.	1.6	85
23	An overview on feedback mechanisms with minimum adjustment or cost in consensus reaching in group decision making: Research paradigms and challenges. Information Fusion, 2020, 60, 65-79.	11.7	219
24	Large-Scale decision-making: Characterization, taxonomy, challenges and future directions from an Artificial Intelligence and applications perspective. Information Fusion, 2020, 59, 84-102.	11.7	179
25	A Consensus Model for Large-Scale Linguistic Group Decision Making With a Feedback Recommendation Based on Clustered Personalized Individual Semantics and Opposing Consensus Groups. IEEE Transactions on Fuzzy Systems, 2019, 27, 221-233.	6.5	227
26	Consensus Building With Individual Consistency Control in Group Decision Making. IEEE Transactions on Fuzzy Systems, 2019, 27, 319-332.	6.5	56
27	Uncertain Opinion Evolution with Bounded Confidence Effects in Social Networks. Journal of Systems Science and Systems Engineering, 2019, 28, 494-509.	0.8	5
28	Impact of Social Network Structures on Uncertain Opinion Formation. IEEE Transactions on Computational Social Systems, 2019, 6, 670-679.	3.2	21
29	Integrating a consensus-reaching mechanism with bounded confidences into failure mode and effect analysis under incomplete context. Knowledge-Based Systems, 2019, 183, 104873.	4.0	44
30	Preference evolution model based on Wechat-like interactions. Knowledge-Based Systems, 2019, 185, 104998.	4.0	10
31	A Feedback Mechanism With Bounded Confidence- Based Optimization Approach for Consensus Reaching in Multiple Attribute Large-Scale Group Decision-Making. IEEE Transactions on Computational Social Systems, 2019, 6, 994-1006.	3.2	62
32	Preference evolution with deceptive interactions and heterogeneous trust in bounded confidence model: A simulation analysis. Knowledge-Based Systems, 2019, 175, 87-95.	4.0	17
33	Are incomplete and self-confident preference relations better in multicriteria decision making? A simulation-based investigation. Information Sciences, 2019, 492, 40-57.	4.0	36
34	Multi-attributes Decision-making Based on the Flexible Linguistic Expressions TOPSIS Method. , 2019, , .		0
35	An optimization based Consensus Model in Multiple Attribute Group Decision Making with Individual Bounded Confidences. , 2019, , .		4
36	Consensus efficiency in group decision making: A comprehensive comparative study and its optimal design. European Journal of Operational Research, 2019, 275, 580-598.	3.5	239

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37	Group Decision Making with Heterogeneous Preference Structures: An Automatic Mechanism to Support Consensus Reaching. Group Decision and Negotiation, 2019, 28, 585-617.	2.0	115
38	Multiple Attribute Strategic Weight Manipulation With Minimum Cost in a Group Decision Making Context With Interval Attribute Weights Information. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1981-1992.	5.9	99
39	Applications in Various Decision Problems. , 2019, , 141-209.		0
40	Personalized individual semantics based on consistency in hesitant linguistic group decision making with comparative linguistic expressions. Knowledge-Based Systems, 2018, 145, 156-165.	4.0	143
41	A Self-Management Mechanism for Noncooperative Behaviors in Large-Scale Group Consensus Reaching Processes. IEEE Transactions on Fuzzy Systems, 2018, 26, 3276-3288.	6.5	196
42	Consensus Building for the Heterogeneous Large-Scale GDM With the Individual Concerns and Satisfactions. IEEE Transactions on Fuzzy Systems, 2018, 26, 884-898.	6.5	274
43	The 2-Rank Consensus Reaching Model in the Multigranular Linguistic Multiple-Attribute Group Decision-Making. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 2080-2094.	5.9	101
44	Opinion Dynamics-Based Group Recommender Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 2394-2406.	5.9	64
45	Group decision making based on linguistic distributions and hesitant assessments: Maximizing the support degree with an accuracy constraint. Information Fusion, 2018, 41, 151-160.	11.7	92
46	A survey on the fusion process in opinion dynamics. Information Fusion, 2018, 43, 57-65.	11.7	251
47	Computing with Words: Revisiting the Qualitative Scale. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2018, 26, 127-143.	0.9	29
48	Consensus reaching in social network group decision making: Research paradigms and challenges. Knowledge-Based Systems, 2018, 162, 3-13.	4.0	404
49	Personalized individual semantics in computing with words for supporting linguistic group decision making. An application on consensus reaching. Information Fusion, 2017, 33, 29-40.	11.7	310
50	Managing consensus based on leadership in opinion dynamics. Information Sciences, 2017, 397-398, 187-205.	4.0	280
51	The interactive consensus reaching process with the minimum and uncertain cost in group decision making. Applied Soft Computing Journal, 2017, 60, 202-212.	4.1	90
52	The fusion process with heterogeneous preference structures in group decision making: A survey. Information Fusion, 2015, 24, 72-83.	11.7	196
53	Consensus-Based Group Decision Making Under Multi-granular Unbalanced 2-Tuple Linguistic Preference Relations. Group Decision and Negotiation, 2015, 24, 217-242.	2.0	192
54	Consensus Building in a Local Context for the AHP-GDM With the Individual Numerical Scale and Prioritization Method. IEEE Transactions on Fuzzy Systems, 2015, 23, 354-368.	6.5	60

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55	Multiple attribute consensus rules with minimum adjustments to support consensus reaching. Knowledge-Based Systems, 2014, 67, 35-48.	4.0	91
56	Multiperson decision making with different preference representation structures: A direct consensus framework and its properties. Knowledge-Based Systems, 2014, 58, 45-57.	4.0	124
57	Consistency and consensus measures for linguistic preference relations based on distribution assessments. Information Fusion, 2014, 17, 46-55.	11.7	461
58	Linear optimization modeling of consistency issues in group decision making based on fuzzy preference relations. Expert Systems With Applications, 2012, 39, 2415-2420.	4.4	95
59	Minimum-Cost Consensus Models Under Aggregation Operators. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2011, 41, 1253-1261.	3.4	199
60	Consensus models for AHP group decision making under row geometric mean prioritization method. Decision Support Systems, 2010, 49, 281-289.	3.5	413
61	The OWA-based consensus operator under linguistic representation models using position indexes. European Journal of Operational Research, 2010, 203, 455-463.	3.5	330
62	Computing the Numerical Scale of the Linguistic Term Set for the 2-Tuple Fuzzy Linguistic Representation Model. IEEE Transactions on Fuzzy Systems, 2009, 17, 1366-1378.	6.5	300
63	Managing flexible linguistic expression and ordinal classification-based consensus in large-scale multi-attribute group decision making. Annals of Operations Research, 0, , .	2.6	8