

Yating Liu

List of Publications by Year in descending order

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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 and consensus measures for linguistic preference relations based on distribution assessments. <i>Information Fusion</i> , 2014, 17, 46-55.	11.7	461
2	Consensus models for AHP group decision making under row geometric mean prioritization method. <i>Decision Support Systems</i> , 2010, 49, 281-289.	3.5	413
3	Consensus reaching in social network group decision making: Research paradigms and challenges. <i>Knowledge-Based Systems</i> , 2018, 162, 3-13.	4.0	404
4	The OWA-based consensus operator under linguistic representation models using position indexes. <i>European Journal of Operational Research</i> , 2010, 203, 455-463.	3.5	330
5	Personalized individual semantics in computing with words for supporting linguistic group decision making. An application on consensus reaching. <i>Information Fusion</i> , 2017, 33, 29-40.	11.7	310
6	Computing the Numerical Scale of the Linguistic Term Set for the 2-Tuple Fuzzy Linguistic Representation Model. <i>IEEE Transactions on Fuzzy Systems</i> , 2009, 17, 1366-1378.	6.5	300
7	Managing consensus based on leadership in opinion dynamics. <i>Information Sciences</i> , 2017, 397-398, 187-205.	4.0	280
8	Consensus Building for the Heterogeneous Large-Scale GDM With the Individual Concerns and Satisfactions. <i>IEEE Transactions on Fuzzy Systems</i> , 2018, 26, 884-898.	6.5	274
9	A survey on the fusion process in opinion dynamics. <i>Information Fusion</i> , 2018, 43, 57-65.	11.7	251
10	Consensus efficiency in group decision making: A comprehensive comparative study and its optimal design. <i>European Journal of Operational Research</i> , 2019, 275, 580-598.	3.5	239
11	A Consensus Model for Large-Scale Linguistic Group Decision Making With a Feedback Recommendation Based on Clustered Personalized Individual Semantics and Opposing Consensus Groups. <i>IEEE Transactions on Fuzzy Systems</i> , 2019, 27, 221-233.	6.5	227
12	An overview on feedback mechanisms with minimum adjustment or cost in consensus reaching in group decision making: Research paradigms and challenges. <i>Information Fusion</i> , 2020, 60, 65-79.	11.7	219
13	Minimum-Cost Consensus Models Under Aggregation Operators. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2011, 41, 1253-1261.	3.4	199
14	The fusion process with heterogeneous preference structures in group decision making: A survey. <i>Information Fusion</i> , 2015, 24, 72-83.	11.7	196
15	A Self-Management Mechanism for Noncooperative Behaviors in Large-Scale Group Consensus Reaching Processes. <i>IEEE Transactions on Fuzzy Systems</i> , 2018, 26, 3276-3288.	6.5	196
16	Consensus-Based Group Decision Making Under Multi-granular Unbalanced 2-Tuple Linguistic Preference Relations. <i>Group Decision and Negotiation</i> , 2015, 24, 217-242.	2.0	192
17	Large-Scale decision-making: Characterization, taxonomy, challenges and future directions from an Artificial Intelligence and applications perspective. <i>Information Fusion</i> , 2020, 59, 84-102.	11.7	179
18	Personalized individual semantics based on consistency in hesitant linguistic group decision making with comparative linguistic expressions. <i>Knowledge-Based Systems</i> , 2018, 145, 156-165.	4.0	143

#	ARTICLE	IF	CITATIONS
19	Distributed linguistic representations in decision making: Taxonomy, key elements and applications, and challenges in data science and explainable artificial intelligence. <i>Information Fusion</i> , 2021, 65, 165-178.	11.7	138
20	Consensus Reaching and Strategic Manipulation in Group Decision Making With Trust Relationships. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 6304-6318.	5.9	128
21	Multiperson decision making with different preference representation structures: A direct consensus framework and its properties. <i>Knowledge-Based Systems</i> , 2014, 58, 45-57.	4.0	124
22	Group Decision Making with Heterogeneous Preference Structures: An Automatic Mechanism to Support Consensus Reaching. <i>Group Decision and Negotiation</i> , 2019, 28, 585-617.	2.0	115
23	Consensus mechanism with maximum-return modifications and minimum-cost feedback: A perspective of game theory. <i>European Journal of Operational Research</i> , 2020, 287, 546-559.	3.5	104
24	The 2-Rank Consensus Reaching Model in the Multigranular Linguistic Multiple-Attribute Group Decision-Making. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018, 48, 2080-2094.	5.9	101
25	Multiple Attribute Strategic Weight Manipulation With Minimum Cost in a Group Decision Making Context With Interval Attribute Weights Information. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, 49, 1981-1992.	5.9	99
26	Linear optimization modeling of consistency issues in group decision making based on fuzzy preference relations. <i>Expert Systems With Applications</i> , 2012, 39, 2415-2420.	4.4	95
27	Group decision making based on linguistic distributions and hesitant assessments: Maximizing the support degree with an accuracy constraint. <i>Information Fusion</i> , 2018, 41, 151-160.	11.7	92
28	Multiple attribute consensus rules with minimum adjustments to support consensus reaching. <i>Knowledge-Based Systems</i> , 2014, 67, 35-48.	4.0	91
29	The interactive consensus reaching process with the minimum and uncertain cost in group decision making. <i>Applied Soft Computing Journal</i> , 2017, 60, 202-212.	4.1	90
30	A Personalized Feedback Mechanism Based on Bounded Confidence Learning to Support Consensus Reaching in Group Decision Making. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 3900-3910.	5.9	86
31	Personalized individual semantics-based approach for linguistic failure modes and effects analysis with incomplete preference information. <i>IJSE Transactions</i> , 2020, 52, 1275-1296.	1.6	85
32	Opinion Dynamics-Based Group Recommender Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018, 48, 2394-2406.	5.9	64
33	Linguistic Distribution-Based Optimization Approach for Large-Scale GDM With Comparative Linguistic Information: An Application on the Selection of Wastewater Disinfection Technology. <i>IEEE Transactions on Fuzzy Systems</i> , 2020, 28, 376-389.	6.5	64
34	Managing Ignorance Elements and Personalized Individual Semantics Under Incomplete Linguistic Distribution Context in Group Decision Making. <i>Group Decision and Negotiation</i> , 2021, 30, 97-118.	2.0	64
35	A Feedback Mechanism With Bounded Confidence- Based Optimization Approach for Consensus Reaching in Multiple Attribute Large-Scale Group Decision-Making. <i>IEEE Transactions on Computational Social Systems</i> , 2019, 6, 994-1006.	3.2	62
36	Consensus Building in a Local Context for the AHP-GDM With the Individual Numerical Scale and Prioritization Method. <i>IEEE Transactions on Fuzzy Systems</i> , 2015, 23, 354-368.	6.5	60

#	ARTICLE	IF	CITATIONS
37	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
38	Consensus Building With Individual Consistency Control in Group Decision Making. IEEE Transactions on Fuzzy Systems, 2019, 27, 319-332.	6.5	56
39	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
40	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
41	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
42	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
43	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
44	Computing with Words: Revisiting the Qualitative Scale. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2018, 26, 127-143.	0.9	29
45	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
46	Linguistic Opinions Dynamics Based on Personalized Individual Semantics. IEEE Transactions on Fuzzy Systems, 2021, 29, 2453-2466.	6.5	27
47	The classification-based consensus in multi-attribute group decision-making. Journal of the Operational Research Society, 2020, 71, 1375-1389.	2.1	23
48	Classification-based strategic weight manipulation in multiple attribute decision making. Expert Systems With Applications, 2022, 197, 116781.	4.4	23
49	Numerical Interval Opinion Dynamics in Social Networks: Stable State and Consensus. IEEE Transactions on Fuzzy Systems, 2021, 29, 584-598.	6.5	22
50	Impact of Social Network Structures on Uncertain Opinion Formation. IEEE Transactions on Computational Social Systems, 2019, 6, 670-679.	3.2	21
51	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
52	Linguistic group decision making: Axiomatic distance and minimum cost consensus. Information Sciences, 2020, 541, 242-258.	4.0	16
53	Preference evolution model based on Wechat-like interactions. Knowledge-Based Systems, 2019, 185, 104998.	4.0	10
54	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

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55	Linguistic scale consistency issues in multi-granularity decision making contexts. Applied Soft Computing Journal, 2021, 101, 107035.	4.1	9
56	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
57	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
58	Uncertain Opinion Evolution with Bounded Confidence Effects in Social Networks. Journal of Systems Science and Systems Engineering, 2019, 28, 494-509.	0.8	5
59	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
60	An optimization based Consensus Model in Multiple Attribute Group Decision Making with Individual Bounded Confidences. , 2019, , .		4
61	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
62	Multi-attributes Decision-making Based on the Flexible Linguistic Expressions TOPSIS Method. , 2019, , .		0
63	Applications in Various Decision Problems. , 2019, , 141-209.		0