Congcong Li

List of Publications by Year
in descending order

138 papers	11,916 citations	23879 60 h-index	31191 106 g-index
140 all docs	140 docs citations	140 times ranked	2940 citing authors

#	Article	IF	Citations
1	Personalized Individual Semantics Learning to Support a Large-Scale Linguistic Consensus Process. ACM Transactions on Internet Technology, 2023, 23, 1-27.	3.0	6
2	Integrating Continual Personalized Individual Semantics Learning in Consensus Reaching in Linguistic Group Decision Making. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 1525-1536.	5.9	59
3	A Differential Evolution-Based Consistency Improvement Method in AHP With an Optimal Allocation of Information Granularity. IEEE Transactions on Cybernetics, 2022, 52, 6733-6744.	6.2	19
4	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
5	Social Trust Driven Consensus Reaching Model With a Minimum Adjustment Feedback Mechanism Considering Assessments-Modifications Willingness. IEEE Transactions on Fuzzy Systems, 2022, 30, 2019-2031.	6.5	66
6	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
7	Consensus Reaching in Multiple Attribute Group Decision Making: A Multi-Stage Optimization Feedback Mechanism With Individual Bounded Confidences. IEEE Transactions on Fuzzy Systems, 2022, 30, 3333-3346.	6.5	40
8	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
9	Managing Consistency and Consensus Issues in Group Decision-Making with Self-Confident Additive Preference Relations and Without Feedback: A Nonlinear Optimization Method. Group Decision and Negotiation, 2022, 31, 213-240.	2.0	10
10	Consensus reaching with trust evolution in social network group decision making. Expert Systems With Applications, 2022, 188, 116022.	4.4	42
11	A personalized individual semantics-based multi-attribute group decision making approach with flexible linguistic expression. Expert Systems With Applications, 2022, 192, 116392.	4.4	24
12	A dynamic social network-driven consensus reaching model. Procedia Computer Science, 2022, 199, 1044-1051.	1.2	2
13	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
14	Classification-based strategic weight manipulation in multiple attribute decision making. Expert Systems With Applications, 2022, 197, 116781.	4.4	23
15	Two-Sided Matching Decision-Making in an Incomplete and Heterogeneous Context: A Optimization-Based Method. International Journal of Computational Intelligence Systems, 2022, 15, 1.	1.6	4
16	Dynamics of Public Opinions in an Online and Offline Social Network. IEEE Transactions on Big Data, 2021, 7, 610-618.	4.4	54
17	A Comparative Study Between Analytic Hierarchy Process and Its Fuzzy Variants: A Perspective Based on Two Linguistic Models. IEEE Transactions on Fuzzy Systems, 2021, 29, 3270-3279.	6.5	16
18	Linguistic Opinions Dynamics Based on Personalized Individual Semantics. IEEE Transactions on Fuzzy Systems, 2021, 29, 2453-2466.	6.5	27

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19	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
20	Impact of Decision Rules and Non-cooperative Behaviors on Minimum Consensus Cost in Group Decision Making. Group Decision and Negotiation, 2021, 30, 1239-1260.	2.0	81
21	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
22	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
23	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
24	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
25	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
26	Modeling Personalized Individual Semantics and Consensus in Comparative Linguistic Expression Preference Relations With Self-Confidence: An Optimization-Based Approach. IEEE Transactions on Fuzzy Systems, 2021, 29, 627-640.	6.5	70
27	Revisiting Fuzzy and Linguistic Decision Making: Scenarios and Challenges for Making Wiser Decisions in a Better Way. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 191-208.	5.9	132
28	Ranking range models under incomplete attribute weight information in the selected six MADM methods. Expert Systems, 2021, 38, e12696.	2.9	6
29	Linguistic scale consistency issues in multi-granularity decision making contexts. Applied Soft Computing Journal, 2021, 101, 107035.	4.1	9
30	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
31	A turning point-based offline map matching algorithm for urban road networks. Information Sciences, 2021, 565, 32-45.	4.0	12
32	Consensus reaching with two-stage minimum adjustments in multi-attribute group decision making: A method based on preference-approval structure and prospect theory. Computers and Industrial Engineering, 2021, 158, 107349.	3.4	19
33	Fuzzy inference based Hegselmannâ€"Krause opinion dynamics for group decision-making under ambiguity. Information Processing and Management, 2021, 58, 102671.	5.4	15
34	Linguistic stochastic dominance to support consensus reaching in group decision making with linguistic distribution assessments. Information Fusion, 2021, 76, 107-121.	11.7	8
35	Flexible Linguistic Expressions and Consensus Reaching With Accurate Constraints in Group Decision-Making. IEEE Transactions on Cybernetics, 2020, 50, 2488-2501.	6.2	82
36	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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37	Consensus Reaching With Time Constraints and Minimum Adjustments in Group With Bounded Confidence Effects. IEEE Transactions on Fuzzy Systems, 2020, 28, 2466-2479.	6.5	40
38	The classification-based consensus in multi-attribute group decision-making. Journal of the Operational Research Society, 2020, 71, 1375-1389.	2.1	23
39	Understanding the marginal distributions and correlations of link travel speeds in road networks. Scientific Reports, 2020, 10, 11821.	1.6	1
40	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
41	The 2-rank additive model with axiomatic design in multiple attribute decision making. European Journal of Operational Research, 2020, 287, 536-545.	3.5	18
42	Linguistic group decision making: Axiomatic distance and minimum cost consensus. Information Sciences, 2020, 541, 242-258.	4.0	16
43	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
44	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
45	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
46	Opinion dynamics in finance and business: a literature review and research opportunities. Financial Innovation, 2020, 6, .	3.6	100
47	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
48	Consensus Building With Individual Consistency Control in Group Decision Making. IEEE Transactions on Fuzzy Systems, 2019, 27, 319-332.	6.5	56
49	Uncertain Opinion Evolution with Bounded Confidence Effects in Social Networks. Journal of Systems Science and Systems Engineering, 2019, 28, 494-509.	0.8	5
50	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
51	Preference evolution model based on Wechat-like interactions. Knowledge-Based Systems, 2019, 185, 104998.	4.0	10
52	An Optimization-Based Approach to Social Network Group Decision Making with an Application to Earthquake Shelter-Site Selection. International Journal of Environmental Research and Public Health, 2019, 16, 2740.	1.2	4
53	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
54	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

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55	Consensus reaching in social network DeGroot Model: The roles of the Self-confidence and node degree. Information Sciences, 2019, 486, 62-72.	4.0	77
56	An overview on managing additive consistency of reciprocal preference relations for consistency-driven decision making and fusion: Taxonomy and future directions. Information Fusion, 2019, 52, 143-156.	11.7	164
57	Analysis of self-confidence indices-based additive consistency for fuzzy preference relations with self-confidence and its application in group decision making. International Journal of Intelligent Systems, 2019, 34, 920-946.	3.3	37
58	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
59	A review on trust propagation and opinion dynamics in social networks and group decision making frameworks. Information Sciences, 2019, 478, 461-475.	4.0	263
60	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
61	Failure Mode and Effect Analysis in a Linguistic Context: A Consensus-Based Multiattribute Group Decision-Making Approach. IEEE Transactions on Reliability, 2019, 68, 566-582.	3.5	133
62	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
63	Linguistic Decision Making. , 2019, , .		1
64	RANKING RANGE BASED APPROACH TO MADM UNDER INCOMPLETE CONTEXT AND ITS APPLICATION IN VENTURE INVESTMENT EVALUATION. Technological and Economic Development of Economy, 2019, 25, 877-899.	2.3	100
65	Applications in Various Decision Problems. , 2019, , 141-209.		0
66	Consistency-Driven Methodology. , 2019, , 107-140.		0
67	Consistency of Interval-Like Reciprocal Preference Relations. , 2019, , 67-106.		0
68	A Unified Framework. , 2019, , 39-65.		0
69	A prospect theory-based method for fusing the individual preference-approval structures in group decision making. Computers and Industrial Engineering, 2018, 117, 237-248.	3.4	38
70	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
71	A consistency-based approach to multiple attribute decision making with preference information on alternatives. Computers and Industrial Engineering, 2018, 119, 360-369.	3.4	13
72	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

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73	Analyzing Saatyâ€™s consistency test in pairwise comparison method: a perspective based on linguistic and numerical scale. Soft Computing, 2018, 22, 1933-1943.	2.1	6
74	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
75	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
76	Opinion Dynamics-Based Group Recommender Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 2394-2406.	5.9	64
77	Strategic weight manipulation in multiple attribute decision making. Omega, 2018, 75, 154-164.	3.6	187
78	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
79	A survey on the fusion process in opinion dynamics. Information Fusion, 2018, 43, 57-65.	11.7	251
80	Consistency of hesitant fuzzy linguistic preference relations: An interval consistency index. Information Sciences, 2018, 432, 347-361.	4.0	106
81	A Self-Management Mechanism to Manage Non-cooperative Behaviors in LGDM-Based Supply Chain Risk Mitigation. , 2018, , .		3
82	Computing with Words: Revisiting the Qualitative Scale. International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems, 2018, 26, 127-143.	0.9	29
83	Guest Editorial: Intelligent Decision Making and Consensus Under Uncertainty in Inconsistent and Dynamic Environments. Knowledge-Based Systems, 2018, 162, 1-2.	4.0	2
84	Consensus reaching in social network group decision making: Research paradigms and challenges. Knowledge-Based Systems, 2018, 162, 3-13.	4.0	404
85	Managing non-cooperative behaviors in consensus-based multiple attribute group decision making: An approach based on social network analysis. Knowledge-Based Systems, 2018, 162, 29-45.	4.0	163
86	The analytic hierarchy process with personalized individual semantics. International Journal of Computational Intelligence Systems, 2018, 11, 451.	1.6	9
87	Personalized individual semantics based approach to MAGDM with the linguistic preference information on alternatives. International Journal of Computational Intelligence Systems, 2018, 11, 496.	1.6	9
88	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
89	Managing consensus based on leadership in opinion dynamics. Information Sciences, 2017, 397-398, 187-205.	4.0	280
90	Group decision-making based on heterogeneous preference relations with self-confidence. Fuzzy Optimization and Decision Making, 2017, 16, 429-447.	3.4	153

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91	A consistency-driven approach to set personalized numerical scales for hesitant fuzzy linguistic preference relations. , 2017, , .		2
92	An optimization-based approach with minimum preference loss to fuse incomplete linguistic distributions in group decision making. , 2017, , .		0
93	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
94	Strategic weight manipulation in multiple attribute decision making in an incomplete information context. , 2017, , .		6
95	Generalizing linguistic distributions in hesitant decision context. International Journal of Computational Intelligence Systems, 2017, 10, 970.	1.6	21
96	Managing consensus and weights in iterative multiple-attribute group decision making. Applied Soft Computing Journal, 2016, 48, 80-90.	4.1	48
97	Dynamics of linguistic opinion formation in bounded confidence model. Information Fusion, 2016, 32, 52-61.	11.7	45
98	An Opinion Control Rule with Minimum Adjustments to Support the Consensus Reaching in Bounded Confidence Model. Procedia Computer Science, 2016, 91, 617-624.	1.2	12
99	An optimization-based approach to estimate the range of consistency in hesitant fuzzy linguistic preference relations. , 2016, , .		3
100	A new type of preference relations: Fuzzy preference relations with self-confidence. , 2016, , .		5
101	Consensus reaching model in the complex and dynamic MAGDM problem. Knowledge-Based Systems, 2016, 106, 206-219.	4.0	172
102	Connecting the linguistic hierarchy and the numerical scale for the 2-tuple linguistic model and its use to deal with hesitant unbalanced linguistic information. Information Sciences, 2016, 367-368, 259-278.	4.0	199
103	The fusion process of interval opinions based on the dynamic bounded confidence. Information Fusion, 2016, 29, 112-119.	11.7	28
104	Integrating experts' weights generated dynamically into the consensus reaching process and its applications in managing non-cooperative behaviors. Decision Support Systems, 2016, 84, 1-15.	3.5	273
105	Competitive analysis of the online financial lease problem. European Journal of Operational Research, 2016, 250, 865-873.	3.5	23
106	Consensus Building in Group Decision Making. , 2016, , .		41
107	Dynamics of Uncertain Opinion Formation: An Agent-Based Simulation. Jasss, 2016, 19, .	1.0	24
108	Consensus Under Linguistic Context. , 2016, , 77-125.		0

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109	The fusion process with heterogeneous preference structures in group decision making: A survey. Information Fusion, 2015, 24, 72-83.	11.7	196
110	Consistency issues of interval pairwise comparison matrices. Soft Computing, 2015, 19, 2321-2335.	2.1	42
111	Multi-granular unbalanced linguistic distribution assessments with interval symbolic proportions. Knowledge-Based Systems, 2015, 82, 139-151.	4.0	148
112	Consensus building in multiperson decision making with heterogeneous preference representation structures: A perspective based on prospect theory. Applied Soft Computing Journal, 2015, 35, 898-910.	4.1	68
113	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
114	Minimizing adjusted simple terms in the consensus reaching process with hesitant linguistic assessments in group decision making. Information Sciences, 2015, 297, 95-117.	4.0	208
115	Consistency-Driven Automatic Methodology to Set Interval Numerical Scales of 2-Tuple Linguistic Term Sets and Its Use in the Linguistic GDM With Preference Relation. IEEE Transactions on Cybernetics, 2015, 45, 780-792.	6.2	232
116	An optimization-based approach to adjusting unbalanced linguistic preference relations to obtain a required consistency level. Information Sciences, 2015, 292, 27-38.	4.0	79
117	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
118	Multi-attribute group decision making methods with proportional 2-tuple linguistic assessments and weights. International Journal of Computational Intelligence Systems, 2014, 7, 758.	1.6	17
119	Connecting the numerical scale model to the unbalanced linguistic term sets. , 2014, , .		3
120	Multiple attribute consensus rules with minimum adjustments to support consensus reaching. Knowledge-Based Systems, 2014, 67, 35-48.	4.0	91
121	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
122	Unbalanced linguistic approach for venture investment evaluation with risk attitudes. Progress in Artificial Intelligence, 2014, 3, 1-13.	1.5	8
123	Consistency and consensus measures for linguistic preference relations based on distribution assessments. Information Fusion, 2014, 17, 46-55.	11.7	461
124	An Analysis of Several Novel Frameworks and Models in the Consensus Reaching Process. Procedia Computer Science, 2014, 31, 245-254.	1.2	7
125	Measuring consistency of linguistic preference relations: a 2-tuple linguistic approach. Soft Computing, 2013, 17, 2117-2130.	2.1	51
126	Numerical scales generated individually for analytic hierarchy process. European Journal of Operational Research, 2013, 229, 654-662.	3.5	53

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127	Linguistic Computational Model Based on 2-Tuples and Intervals. IEEE Transactions on Fuzzy Systems, 2013, 21, 1006-1018.	6.5	157
128	Maximum expert consensus models with linear cost function and aggregation operators. Computers and Industrial Engineering, 2013, 66, 147-157.	3.4	67
129	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
130	Selecting the Individual Numerical Scale and Prioritization Method in the Analytic Hierarchy Process: A 2-Tuple Fuzzy Linguistic Approach. IEEE Transactions on Fuzzy Systems, 2011, 19, 13-25.	6.5	98
131	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
132	Consensus models for AHP group decision making under row geometric mean prioritization method. Decision Support Systems, 2010, 49, 281-289.	3.5	413
133	The OWA-based consensus operator under linguistic representation models using position indexes. European Journal of Operational Research, 2010, 203, 455-463.	3.5	330
134	Linguistic multiperson decision making based on the use of multiple preference relations. Fuzzy Sets and Systems, 2009, 160, 603-623.	1.6	120
135	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
136	A comparative study of the numerical scales and the prioritization methods in AHP. European Journal of Operational Research, 2008, 186, 229-242.	3.5	172
137	On consistency measures of linguistic preference relations. European Journal of Operational Research, 2008, 189, 430-444.	3.5	263
138	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