

# Congcong Li

## List of Publications by Year in descending order

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138  
papers

11,916  
citations

20817

60  
h-index

27406

106  
g-index

140  
all docs

140  
docs citations

140  
times ranked

2634  
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.	19.1	461
2	Consensus models for AHP group decision making under row geometric mean prioritization method. <i>Decision Support Systems</i> , 2010, 49, 281-289.	5.9	413
3	Consensus reaching in social network group decision making: Research paradigms and challenges. <i>Knowledge-Based Systems</i> , 2018, 162, 3-13.	7.1	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.	5.7	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.	19.1	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.	9.8	300
7	Managing consensus based on leadership in opinion dynamics. <i>Information Sciences</i> , 2017, 397-398, 187-205.	6.9	280
8	Consensus Building for the Heterogeneous Large-Scale GDM With the Individual Concerns and Satisfaction. <i>IEEE Transactions on Fuzzy Systems</i> , 2018, 26, 884-898.	9.8	274
9	Integrating experts' weights generated dynamically into the consensus reaching process and its applications in managing non-cooperative behaviors. <i>Decision Support Systems</i> , 2016, 84, 1-15.	5.9	273
10	On consistency measures of linguistic preference relations. <i>European Journal of Operational Research</i> , 2008, 189, 430-444.	5.7	263
11	A review on trust propagation and opinion dynamics in social networks and group decision making frameworks. <i>Information Sciences</i> , 2019, 478, 461-475.	6.9	263
12	A survey on the fusion process in opinion dynamics. <i>Information Fusion</i> , 2018, 43, 57-65.	19.1	251
13	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.	5.7	239
14	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. <i>IEEE Transactions on Cybernetics</i> , 2015, 45, 780-792.	9.5	232
15	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.	9.8	227
16	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.	19.1	219
17	Minimizing adjusted simple terms in the consensus reaching process with hesitant linguistic assessments in group decision making. <i>Information Sciences</i> , 2015, 297, 95-117.	6.9	208
18	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.	2.9	199

#	ARTICLE	IF	CITATIONS
19	Connecting the linguistic hierarchy and the numerical scale for the 2-tuple linguistic model and its use to deal with hesitant unbalanced linguistic information. <i>Information Sciences</i> , 2016, 367-368, 259-278.	6.9	199
20	The fusion process with heterogeneous preference structures in group decision making: A survey. <i>Information Fusion</i> , 2015, 24, 72-83.	19.1	196
21	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.	9.8	196
22	Consensus-Based Group Decision Making Under Multi-granular Unbalanced 2-Tuple Linguistic Preference Relations. <i>Group Decision and Negotiation</i> , 2015, 24, 217-242.	3.3	192
23	Strategic weight manipulation in multiple attribute decision making. <i>Omega</i> , 2018, 75, 154-164.	5.9	187
24	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.	19.1	179
25	A comparative study of the numerical scales and the prioritization methods in AHP. <i>European Journal of Operational Research</i> , 2008, 186, 229-242.	5.7	172
26	Consensus reaching model in the complex and dynamic MAGDM problem. <i>Knowledge-Based Systems</i> , 2016, 106, 206-219.	7.1	172
27	An overview on managing additive consistency of reciprocal preference relations for consistency-driven decision making and fusion: Taxonomy and future directions. <i>Information Fusion</i> , 2019, 52, 143-156.	19.1	164
28	Managing non-cooperative behaviors in consensus-based multiple attribute group decision making: An approach based on social network analysis. <i>Knowledge-Based Systems</i> , 2018, 162, 29-45.	7.1	163
29	Linguistic Computational Model Based on 2-Tuples and Intervals. <i>IEEE Transactions on Fuzzy Systems</i> , 2013, 21, 1006-1018.	9.8	157
30	Group decision-making based on heterogeneous preference relations with self-confidence. <i>Fuzzy Optimization and Decision Making</i> , 2017, 16, 429-447.	5.5	153
31	Multi-granular unbalanced linguistic distribution assessments with interval symbolic proportions. <i>Knowledge-Based Systems</i> , 2015, 82, 139-151.	7.1	148
32	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.	7.1	143
33	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.	19.1	138
34	Failure Mode and Effect Analysis in a Linguistic Context: A Consensus-Based Multiattribute Group Decision-Making Approach. <i>IEEE Transactions on Reliability</i> , 2019, 68, 566-582.	4.6	133
35	Revisiting Fuzzy and Linguistic Decision Making: Scenarios and Challenges for Making Wiser Decisions in a Better Way. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 191-208.	9.3	132
36	Multiperson decision making with different preference representation structures: A direct consensus framework and its properties. <i>Knowledge-Based Systems</i> , 2014, 58, 45-57.	7.1	124

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37	Linguistic multiperson decision making based on the use of multiple preference relations. Fuzzy Sets and Systems, 2009, 160, 603-623.	2.7	120
38	Group Decision Making with Heterogeneous Preference Structures: An Automatic Mechanism to Support Consensus Reaching. Group Decision and Negotiation, 2019, 28, 585-617.	3.3	115
39	Consistency of hesitant fuzzy linguistic preference relations: An interval consistency index. Information Sciences, 2018, 432, 347-361.	6.9	106
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.	5.7	104
41	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.	9.3	101
42	Opinion dynamics in finance and business: a literature review and research opportunities. Financial Innovation, 2020, 6, .	6.4	100
43	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.	4.6	100
44	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.	9.3	99
45	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.	9.8	98
46	Linear optimization modeling of consistency issues in group decision making based on fuzzy preference relations. Expert Systems With Applications, 2012, 39, 2415-2420.	7.6	95
47	Group decision making based on linguistic distributions and hesitant assessments: Maximizing the support degree with an accuracy constraint. Information Fusion, 2018, 41, 151-160.	19.1	92
48	Multiple attribute consensus rules with minimum adjustments to support consensus reaching. Knowledge-Based Systems, 2014, 67, 35-48.	7.1	91
49	The interactive consensus reaching process with the minimum and uncertain cost in group decision making. Applied Soft Computing Journal, 2017, 60, 202-212.	7.2	90
50	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.	9.3	86
51	Personalized individual semantics-based approach for linguistic failure modes and effects analysis with incomplete preference information. IISE Transactions, 2020, 52, 1275-1296.	2.4	85
52	Flexible Linguistic Expressions and Consensus Reaching With Accurate Constraints in Group Decision-Making. IEEE Transactions on Cybernetics, 2020, 50, 2488-2501.	9.5	82
53	Impact of Decision Rules and Non-cooperative Behaviors on Minimum Consensus Cost in Group Decision Making. Group Decision and Negotiation, 2021, 30, 1239-1260.	3.3	81
54	An optimization-based approach to adjusting unbalanced linguistic preference relations to obtain a required consistency level. Information Sciences, 2015, 292, 27-38.	6.9	79

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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.	6.9	77
56	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.	9.8	70
57	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.	7.2	68
58	Maximum expert consensus models with linear cost function and aggregation operators. Computers and Industrial Engineering, 2013, 66, 147-157.	6.3	67
59	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.	9.8	66
60	Opinion Dynamics-Based Group Recommender Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 2394-2406.	9.3	64
61	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.	9.8	64
62	Managing Ignorance Elements and Personalized Individual Semantics Under Incomplete Linguistic Distribution Context in Group Decision Making. Group Decision and Negotiation, 2021, 30, 97-118.	3.3	64
63	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.	9.8	60
64	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.	9.3	59
65	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.	8.9	58
66	Consensus Building With Individual Consistency Control in Group Decision Making. IEEE Transactions on Fuzzy Systems, 2019, 27, 319-332.	9.8	56
67	Dynamics of Public Opinions in an Online and Offline Social Network. IEEE Transactions on Big Data, 2021, 7, 610-618.	6.1	54
68	Numerical scales generated individually for analytic hierarchy process. European Journal of Operational Research, 2013, 229, 654-662.	5.7	53
69	Managing Consensus With Minimum Adjustments in Group Decision Making With Opinions Evolution. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 2299-2311.	9.3	53
70	Measuring consistency of linguistic preference relations: a 2-tuple linguistic approach. Soft Computing, 2013, 17, 2117-2130.	3.6	51
71	Managing consensus and weights in iterative multiple-attribute group decision making. Applied Soft Computing Journal, 2016, 48, 80-90.	7.2	48
72	Dynamics of linguistic opinion formation in bounded confidence model. Information Fusion, 2016, 32, 52-61.	19.1	45

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73	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.	9.5	45
74	Integrating a consensus-reaching mechanism with bounded confidences into failure mode and effect analysis under incomplete context. Knowledge-Based Systems, 2019, 183, 104873.	7.1	44
75	Consistency issues of interval pairwise comparison matrices. Soft Computing, 2015, 19, 2321-2335.	3.6	42
76	Consensus reaching with trust evolution in social network group decision making. Expert Systems With Applications, 2022, 188, 116022.	7.6	42
77	Consensus Building in Group Decision Making. , 2016, , .		41
78	Consensus Reaching With Time Constraints and Minimum Adjustments in Group With Bounded Confidence Effects. IEEE Transactions on Fuzzy Systems, 2020, 28, 2466-2479.	9.8	40
79	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.	9.8	40
80	A prospect theory-based method for fusing the individual preference-approval structures in group decision making. Computers and Industrial Engineering, 2018, 117, 237-248.	6.3	38
81	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.	5.7	37
82	Are incomplete and self-confident preference relations better in multicriteria decision making? A simulation-based investigation. Information Sciences, 2019, 492, 40-57.	6.9	36
83	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.	4.1	31
84	Computing with Words: Revisiting the Qualitative Scale. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2018, 26, 127-143.	1.9	29
85	The fusion process of interval opinions based on the dynamic bounded confidence. Information Fusion, 2016, 29, 112-119.	19.1	28
86	Maximum Fuzzy Consensus Feedback Mechanism With Minimum Cost and Private Interest in Group Decision-Making. IEEE Transactions on Fuzzy Systems, 2021, 29, 2689-2700.	9.8	28
87	Linguistic Opinions Dynamics Based on Personalized Individual Semantics. IEEE Transactions on Fuzzy Systems, 2021, 29, 2453-2466.	9.8	27
88	Dynamics of Uncertain Opinion Formation: An Agent-Based Simulation. Jasss, 2016, 19, .	1.8	24
89	A personalized individual semantics-based multi-attribute group decision making approach with flexible linguistic expression. Expert Systems With Applications, 2022, 192, 116392.	7.6	24
90	Competitive analysis of the online financial lease problem. European Journal of Operational Research, 2016, 250, 865-873.	5.7	23

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91	The classification-based consensus in multi-attribute group decision-making. Journal of the Operational Research Society, 2020, 71, 1375-1389.	3.4	23
92	Classification-based strategic weight manipulation in multiple attribute decision making. Expert Systems With Applications, 2022, 197, 116781.	7.6	23
93	Generalizing linguistic distributions in hesitant decision context. International Journal of Computational Intelligence Systems, 2017, 10, 970.	2.7	21
94	A Differential Evolution-Based Consistency Improvement Method in AHP With an Optimal Allocation of Information Granularity. IEEE Transactions on Cybernetics, 2022, 52, 6733-6744.	9.5	19
95	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.	6.3	19
96	The 2-rank additive model with axiomatic design in multiple attribute decision making. European Journal of Operational Research, 2020, 287, 536-545.	5.7	18
97	Multi-attribute group decision making methods with proportional 2-tuple linguistic assessments and weights. International Journal of Computational Intelligence Systems, 2014, 7, 758.	2.7	17
98	Preference evolution with deceptive interactions and heterogeneous trust in bounded confidence model: A simulation analysis. Knowledge-Based Systems, 2019, 175, 87-95.	7.1	17
99	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.	9.8	16
100	Linguistic group decision making: Axiomatic distance and minimum cost consensus. Information Sciences, 2020, 541, 242-258.	6.9	16
101	Fuzzy inference based Hegselmann-Krause opinion dynamics for group decision-making under ambiguity. Information Processing and Management, 2021, 58, 102671.	8.6	15
102	A consistency-based approach to multiple attribute decision making with preference information on alternatives. Computers and Industrial Engineering, 2018, 119, 360-369.	6.3	13
103	An Opinion Control Rule with Minimum Adjustments to Support the Consensus Reaching in Bounded Confidence Model. Procedia Computer Science, 2016, 91, 617-624.	2.0	12
104	A turning point-based offline map matching algorithm for urban road networks. Information Sciences, 2021, 565, 32-45.	6.9	12
105	Preference evolution model based on Wechat-like interactions. Knowledge-Based Systems, 2019, 185, 104998.	7.1	10
106	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.	3.3	10
107	Consistency-Driven Methodology to Manage Incomplete Linguistic Preference Relation: A Perspective Based on Personalized Individual Semantics. IEEE Transactions on Cybernetics, 2022, 52, 6170-6180.	9.5	9
108	Linguistic scale consistency issues in multi-granularity decision making contexts. Applied Soft Computing Journal, 2021, 101, 107035.	7.2	9



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109	The analytic hierarchy process with personalized individual semantics. International Journal of Computational Intelligence Systems, 2018, 11, 451.	2.7	9
110	Personalized individual semantics based approach to MAGDM with the linguistic preference information on alternatives. International Journal of Computational Intelligence Systems, 2018, 11, 496.	2.7	9
111	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.	2.7	9
112	Unbalanced linguistic approach for venture investment evaluation with risk attitudes. Progress in Artificial Intelligence, 2014, 3, 1-13.	2.4	8
113	Linguistic stochastic dominance to support consensus reaching in group decision making with linguistic distribution assessments. Information Fusion, 2021, 76, 107-121.	19.1	8
114	Managing flexible linguistic expression and ordinal classification-based consensus in large-scale multi-attribute group decision making. Annals of Operations Research, 0, , .	4.1	8
115	An Analysis of Several Novel Frameworks and Models in the Consensus Reaching Process. Procedia Computer Science, 2014, 31, 245-254.	2.0	7
116	Strategic weight manipulation in multiple attribute decision making in an incomplete information context. , 2017, , .		6
117	Analyzing Saaty's consistency test in pairwise comparison method: a perspective based on linguistic and numerical scale. Soft Computing, 2018, 22, 1933-1943.	3.6	6
118	Ranking range models under incomplete attribute weight information in the selected six MADM methods. Expert Systems, 2021, 38, e12696.	4.5	6
119	Personalized Individual Semantics Learning to Support a Large-Scale Linguistic Consensus Process. ACM Transactions on Internet Technology, 2023, 23, 1-27.	4.4	6
120	A new type of preference relations: Fuzzy preference relations with self-confidence. , 2016, , .		5
121	Uncertain Opinion Evolution with Bounded Confidence Effects in Social Networks. Journal of Systems Science and Systems Engineering, 2019, 28, 494-509.	1.6	5
122	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.	2.6	4
123	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.	9.8	4
124	Two-Sided Matching Decision-Making in an Incomplete and Heterogeneous Context: A Optimization-Based Method. International Journal of Computational Intelligence Systems, 2022, 15, 1.	2.7	4
125	Connecting the numerical scale model to the unbalanced linguistic term sets. , 2014, , .		3
126	An optimization-based approach to estimate the range of consistency in hesitant fuzzy linguistic preference relations. , 2016, , .		3



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127	A Self-Management Mechanism to Manage Non-cooperative Behaviors in LGDM-Based Supply Chain Risk Mitigation. , 2018, , .		3
128	A consistency-driven approach to set personalized numerical scales for hesitant fuzzy linguistic preference relations. , 2017, , .		2
129	Guest Editorial: Intelligent Decision Making and Consensus Under Uncertainty in Inconsistent and Dynamic Environments. Knowledge-Based Systems, 2018, 162, 1-2.	7.1	2
130	A dynamic social network-driven consensus reaching model. Procedia Computer Science, 2022, 199, 1044-1051.	2.0	2
131	Linguistic Decision Making. , 2019, , .		1
132	Understanding the marginal distributions and correlations of link travel speeds in road networks. Scientific Reports, 2020, 10, 11821.	3.3	1
133	An optimization-based approach with minimum preference loss to fuse incomplete linguistic distributions in group decision making. , 2017, , .		0
134	Consensus Under Linguistic Context. , 2016, , 77-125.		0
135	Applications in Various Decision Problems. , 2019, , 141-209.		0
136	Consistency-Driven Methodology. , 2019, , 107-140.		0
137	Consistency of Interval-Like Reciprocal Preference Relations. , 2019, , 67-106.		0
138	A Unified Framework. , 2019, , 39-65.		0