

# Xinyue Liu

## List of Publications by Year in descending order

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398  
papers

36,643  
citations

2802

94  
h-index

3579

181  
g-index

410  
all docs

410  
docs citations

410  
times ranked

11643  
citing authors

#	ARTICLE	IF	CITATIONS
1	Science mapping software tools: Review, analysis, and cooperative study among tools. Journal of the Association for Information Science and Technology, 2011, 62, 1382-1402.	2.6	1,536
2	Linguistic decision analysis: steps for solving decision problems under linguistic information. Fuzzy Sets and Systems, 2000, 115, 67-82.	2.7	1,342
3	An approach for detecting, quantifying, and visualizing the evolution of a research field: A practical application to the Fuzzy Sets Theory field. Journal of Informetrics, 2011, 5, 146-166.	2.9	1,226
4	A model of consensus in group decision making under linguistic assessments. Fuzzy Sets and Systems, 1996, 78, 73-87.	2.7	1,010
5	Some issues on consistency of fuzzy preference relations. European Journal of Operational Research, 2004, 154, 98-109.	5.7	880
6	A fusion approach for managing multi-granularity linguistic term sets in decision making. Fuzzy Sets and Systems, 2000, 114, 43-58.	2.7	716
7	<scp>SciMAT</scp>: A new science mapping analysis software tool. Journal of the Association for Information Science and Technology, 2012, 63, 1609-1630.	2.6	692
8	Integrating three representation models in fuzzy multipurpose decision making based on fuzzy preference relations. Fuzzy Sets and Systems, 1998, 97, 33-48.	2.7	689
9	A consensus model for multiperson decision making with different preference structures. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2002, 32, 394-402.	2.9	627
10	h-Index: A review focused in its variants, computation and standardization for different scientific fields. Journal of Informetrics, 2009, 3, 273-289.	2.9	625
11	Direct approach processes in group decision making using linguistic OWA operators. Fuzzy Sets and Systems, 1996, 79, 175-190.	2.7	612
12	A Consensus Model for Group Decision Making With Incomplete Fuzzy Preference Relations. IEEE Transactions on Fuzzy Systems, 2007, 15, 863-877.	9.8	574
13	A review of soft consensus models in a fuzzy environment. Information Fusion, 2014, 17, 4-13.	19.1	562
14	A Consensus Support System Model for Group Decision-Making Problems With Multigranular Linguistic Preference Relations. IEEE Transactions on Fuzzy Systems, 2005, 13, 644-658.	9.8	552
15	Group Decision-Making Model With Incomplete Fuzzy Preference Relations Based on Additive Consistency. IEEE Transactions on Systems, Man, and Cybernetics, 2007, 37, 176-189.	5.0	515
16	A Fuzzy Linguistic Methodology to Deal With Unbalanced Linguistic Term Sets. IEEE Transactions on Fuzzy Systems, 2008, 16, 354-370.	9.8	494
17	Integrating multiplicative preference relations in a multipurpose decision-making model based on fuzzy preference relations. Fuzzy Sets and Systems, 2001, 122, 277-291.	2.7	471
18	Computing with words in decision making: foundations, trends and prospects. Fuzzy Optimization and Decision Making, 2009, 8, 337-364.	5.5	426

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19	Multiperson decision-making based on multiplicative preference relations. <i>European Journal of Operational Research</i> , 2001, 129, 372-385.	5.7	416
20	Consensus reaching in social network group decision making: Research paradigms and challenges. <i>Knowledge-Based Systems</i> , 2018, 162, 3-13.	7.1	404
21	Software tools for conducting bibliometric analysis in science: An up-to-date review. <i>Profesional De La Informacion</i> , 2020, 29, .	2.7	392
22	Cardinal Consistency of Reciprocal Preference Relations: A Characterization of Multiplicative Transitivity. <i>IEEE Transactions on Fuzzy Systems</i> , 2009, 17, 14-23.	9.8	383
23	Aggregation operators for linguistic weighted information. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 1997, 27, 646-656.	2.9	353
24	Virtual and remote labs in education: A bibliometric analysis. <i>Computers and Education</i> , 2016, 98, 14-38.	8.3	353
25	25years at Knowledge-Based Systems: A bibliometric analysis. <i>Knowledge-Based Systems</i> , 2015, 80, 3-13.	7.1	337
26	A rational consensus model in group decision making using linguistic assessments. <i>Fuzzy Sets and Systems</i> , 1997, 88, 31-49.	2.7	329
27	Trust based consensus model for social network in an incomplete linguistic information context. <i>Applied Soft Computing Journal</i> , 2015, 35, 827-839.	7.2	328
28	Some induced ordered weighted averaging operators and their use for solving group decision-making problems based on fuzzy preference relations. <i>European Journal of Operational Research</i> , 2007, 182, 383-399.	5.7	318
29	Choice functions and mechanisms for linguistic preference relations. <i>European Journal of Operational Research</i> , 2000, 120, 144-161.	5.7	316
30	A visual interaction consensus model for social network group decision making with trust propagation. <i>Knowledge-Based Systems</i> , 2017, 122, 39-50.	7.1	312
31	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
32	Sentiment analysis: A review and comparative analysis of web services. <i>Information Sciences</i> , 2015, 311, 18-38.	6.9	305
33	An Adaptive Consensus Support Model for Group Decision-Making Problems in a Multigranular Fuzzy Linguistic Context. <i>IEEE Transactions on Fuzzy Systems</i> , 2009, 17, 279-290.	9.8	304
34	A statistical comparative study of different similarity measures of consensus in group decision making. <i>Information Sciences</i> , 2013, 221, 110-123.	6.9	294
35	Managing the consensus in group decision making in an unbalanced fuzzy linguistic context with incomplete information. <i>Knowledge-Based Systems</i> , 2010, 23, 169-181.	7.1	289
36	A minimum adjustment cost feedback mechanism based consensus model for group decision making under social network with distributed linguistic trust. <i>Information Fusion</i> , 2018, 41, 232-242.	19.1	287

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37	Analyzing consensus approaches in fuzzy group decision making: advantages and drawbacks. <i>Soft Computing</i> , 2010, 14, 451-463.	3.6	278
38	A web based consensus support system for group decision making problems and incomplete preferences. <i>Information Sciences</i> , 2010, 180, 4477-4495.	6.9	275
39	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.	9.8	274
40	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
41	A consistency-based procedure to estimate missing pairwise preference values. <i>International Journal of Intelligent Systems</i> , 2008, 23, 155-175.	5.7	251
42	Group decision making with incomplete fuzzy linguistic preference relations. <i>International Journal of Intelligent Systems</i> , 2009, 24, 201-222.	5.7	248
43	Fuzzy Group Decision Making With Incomplete Information Guided by Social Influence. <i>IEEE Transactions on Fuzzy Systems</i> , 2018, 26, 1704-1718.	9.8	238
44	A method based on PSO and granular computing of linguistic information to solve group decision making problems defined in heterogeneous contexts. <i>European Journal of Operational Research</i> , 2013, 230, 624-633.	5.7	235
45	A Mobile Decision Support System for Dynamic Group Decision-Making Problems. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2010, 40, 1244-1256.	2.9	231
46	Managing incomplete preference relations in decision making: A review and future trends. <i>Information Sciences</i> , 2015, 302, 14-32.	6.9	230
47	A linguistic consensus model for Web 2.0 communities. <i>Applied Soft Computing Journal</i> , 2013, 13, 149-157.	7.2	223
48	A CONSENSUS MODEL FOR GROUP DECISION MAKING PROBLEMS WITH UNBALANCED FUZZY LINGUISTIC INFORMATION. <i>International Journal of Information Technology and Decision Making</i> , 2009, 08, 109-131.	3.9	213
49	Analyzing the Scientific Evolution of Social Work Using Science Mapping. <i>Research on Social Work Practice</i> , 2015, 25, 257-277.	1.9	205
50	On multi-granular fuzzy linguistic modeling in group decision making problems: A systematic review and future trends. <i>Knowledge-Based Systems</i> , 2015, 74, 49-60.	7.1	205
51	MACHINE LEARNING METHODS FOR SYSTEMIC RISK ANALYSIS IN FINANCIAL SECTORS. <i>Technological and Economic Development of Economy</i> , 2019, 25, 716-742.	4.6	202
52	Building consensus in group decision making with an allocation of information granularity. <i>Fuzzy Sets and Systems</i> , 2014, 255, 115-127.	2.7	196
53	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
54	On dynamic consensus processes in group decision making problems. <i>Information Sciences</i> , 2018, 459, 20-35.	6.9	193

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55	Hesitant Fuzzy Linguistic Term Set and Its Application in Decision Making: A State-of-the-Art Survey. <i>International Journal of Fuzzy Systems</i> , 2018, 20, 2084-2110.	4.0	189
56	Dealing with incomplete information in a fuzzy linguistic recommender system to disseminate information in university digital libraries. <i>Knowledge-Based Systems</i> , 2010, 23, 32-39.	7.1	187
57	Strategic weight manipulation in multiple attribute decision making. <i>Omega</i> , 2018, 75, 154-164.	5.9	187
58	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
59	A consensus model for hesitant fuzzy preference relations and its application in water allocation management. <i>Applied Soft Computing Journal</i> , 2017, 58, 265-284.	7.2	176
60	Fuzzy decision making and consensus: Challenges. <i>Journal of Intelligent and Fuzzy Systems</i> , 2015, 29, 1109-1118.	1.4	172
61	Consensus reaching model in the complex and dynamic MAGDM problem. <i>Knowledge-Based Systems</i> , 2016, 106, 206-219.	7.1	172
62	hg-index: a new index to characterize the scientific output of researchers based on the h- and g-indices. <i>Scientometrics</i> , 2010, 82, 391-400.	3.0	167
63	A new linguistic computational model based on discrete fuzzy numbers for computing with words. <i>Information Sciences</i> , 2014, 258, 277-290.	6.9	165
64	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
65	H-Classics: characterizing the concept of citation classics through H-index. <i>Scientometrics</i> , 2014, 98, 1971-1983.	3.0	159
66	A hybrid recommender system for the selective dissemination of research resources in a Technology Transfer Office. <i>Information Sciences</i> , 2012, 184, 1-19.	6.9	155
67	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
68	A social network based approach for consensus achievement in multiperson decision making. <i>Information Fusion</i> , 2019, 47, 72-87.	19.1	152
69	A consensus model for group decision making problems with linguistic interval fuzzy preference relations. <i>Expert Systems With Applications</i> , 2012, 39, 10022-10030.	7.6	150
70	The consensus models with interval preference opinions and their economic interpretation. <i>Omega</i> , 2015, 55, 81-90.	5.9	141
71	Evaluating the information quality of Web sites: A methodology based on fuzzy computing with words. <i>Journal of the Association for Information Science and Technology</i> , 2006, 57, 538-549.	2.6	137
72	Soft consensus measures in group decision making using unbalanced fuzzy linguistic information. <i>Soft Computing</i> , 2017, 21, 3037-3050.	3.6	134

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73	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
74	A study of the origin and uses of the ordered weighted geometric operator in multicriteria decision making. <i>International Journal of Intelligent Systems</i> , 2003, 18, 689-707.	5.7	127
75	Induced ordered weighted geometric operators and their use in the aggregation of multiplicative preference relations. <i>International Journal of Intelligent Systems</i> , 2004, 19, 233-255.	5.7	127
76	Linguistic measures based on fuzzy coincidence for reaching consensus in group decision making. <i>International Journal of Approximate Reasoning</i> , 1997, 16, 309-334.	3.3	125
77	A google wave-based fuzzy recommender system to disseminate information in University Digital Libraries 2.0. <i>Information Sciences</i> , 2011, 181, 1503-1516.	6.9	125
78	Some bibliometric procedures for analyzing and evaluating research fields. <i>Applied Intelligence</i> , 2018, 48, 1275.	5.3	124
79	A model of fuzzy linguistic IRS based on multi-granular linguistic information. <i>International Journal of Approximate Reasoning</i> , 2003, 34, 221-239.	3.3	123
80	A model of an information retrieval system with unbalanced fuzzy linguistic information. <i>International Journal of Intelligent Systems</i> , 2007, 22, 1197-1214.	5.7	120
81	Confidence-consistency driven group decision making approach with incomplete reciprocal intuitionistic preference relations. <i>Knowledge-Based Systems</i> , 2015, 89, 86-96.	7.1	119
82	Choice processes for non-homogeneous group decision making in linguistic setting. <i>Fuzzy Sets and Systems</i> , 1998, 94, 287-308.	2.7	116
83	A linguistic decision process in group decision making. <i>Group Decision and Negotiation</i> , 1996, 5, 165-176.	3.3	115
84	A comparative study on consensus measures in group decision making. <i>International Journal of Intelligent Systems</i> , 2018, 33, 1624-1638.	5.7	115
85	Group Decision Making with Heterogeneous Preference Structures: An Automatic Mechanism to Support Consensus Reaching. <i>Group Decision and Negotiation</i> , 2019, 28, 585-617.	3.3	115
86	Solving multi-criteria group decision making problems under environments with a high number of alternatives using fuzzy ontologies and multi-granular linguistic modelling methods. <i>Knowledge-Based Systems</i> , 2017, 137, 54-64.	7.1	111
87	Energy Optimization Using a Case-Based Reasoning Strategy. <i>Sensors</i> , 2018, 18, 865.	3.8	110
88	Granulating linguistic information in decision making under consensus and consistency. <i>Expert Systems With Applications</i> , 2018, 99, 83-92.	7.6	107
89	Evaluating the informative quality of documents in SGML format from judgements by means of fuzzy linguistic techniques based on computing with words. <i>Information Processing and Management</i> , 2003, 39, 233-249.	8.6	106
90	A note on the reciprocity in the aggregation of fuzzy preference relations using OWA operators. <i>Fuzzy Sets and Systems</i> , 2003, 137, 71-83.	2.7	106

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91	A model to represent users trust in recommender systems using ontologies and fuzzy linguistic modeling. Information Sciences, 2015, 311, 102-118.	6.9	105
92	Practical aggregation operators for gradual trust and distrust. Fuzzy Sets and Systems, 2011, 184, 126-147.	2.7	104
93	An incremental method to detect communities in dynamic evolving social networks. Knowledge-Based Systems, 2019, 163, 404-415.	7.1	102
94	Ten Years of Sustainability (2009 to 2018): A Bibliometric Overview. Sustainability, 2018, 10, 1655.	3.2	101
95	An interval-valued intuitionistic fuzzy DEMATEL method combined with Choquet integral for sustainable solid waste management. Engineering Applications of Artificial Intelligence, 2019, 82, 207-215.	8.1	101
96	DeprNet: A Deep Convolution Neural Network Framework for Detecting Depression Using EEG. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-13.	4.7	100
97	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
98	A recommender system for research resources based on fuzzy linguistic modeling. Expert Systems With Applications, 2009, 36, 5173-5183.	7.6	98
99	Modeling the retrieval process for an information retrieval system using an ordinal fuzzy linguistic approach. Journal of the Association for Information Science and Technology, 2001, 52, 460-475.	2.6	95
100	A note on the internal consistency of various preference representations. Fuzzy Sets and Systems, 2002, 131, 75-78.	2.7	95
101	Analysing the scientific evolution of e-Government using a science mapping approach. Government Information Quarterly, 2017, 34, 545-555.	6.8	94
102	Incorporating filtering techniques in a fuzzy linguistic multi-agent model for information gathering on the web. Fuzzy Sets and Systems, 2004, 148, 61-83.	2.7	90
103	A multi-disciplinar recommender system to advice research resources in University Digital Libraries. Expert Systems With Applications, 2009, 36, 12520-12528.	7.6	90
104	Consistency and consensus modeling of linear uncertain preference relations. European Journal of Operational Research, 2020, 283, 290-307.	5.7	90
105	An Optimal Feedback Model to Prevent Manipulation Behavior in Consensus Under Social Network Group Decision Making. IEEE Transactions on Fuzzy Systems, 2021, 29, 1750-1763.	9.8	90
106	INDIVIDUAL AND SOCIAL STRATEGIES TO DEAL WITH IGNORANCE SITUATIONS IN MULTI-PERSON DECISION MAKING. International Journal of Information Technology and Decision Making, 2009, 08, 313-333.	3.9	89
107	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
108	q2-Index: Quantitative and qualitative evaluation based on the number and impact of papers in the Hirsch core. Journal of Informetrics, 2010, 4, 23-28.	2.9	85

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109	Average-case consistency measurement and analysis of interval-valued reciprocal preference relations. Knowledge-Based Systems, 2016, 114, 108-117.	7.1	85
110	Modelling influence in group decision making. Soft Computing, 2016, 20, 1653-1665.	3.6	85
111	Carrying out consensual Group Decision Making processes under social networks using sentiment analysis over comparative expressions. Knowledge-Based Systems, 2019, 165, 335-345.	7.1	85
112	Personalized individual semantics-based approach for linguistic failure modes and effects analysis with incomplete preference information. IJSE Transactions, 2020, 52, 1275-1296.	2.4	85
113	An automatic procedure to create fuzzy ontologies from users'™ opinions using sentiment analysis procedures and multi-granular fuzzy linguistic modelling methods. Information Sciences, 2019, 476, 222-238.	6.9	81
114	A novel multi-criteria group decision-making method for heterogeneous and dynamic contexts using multi-granular fuzzy linguistic modelling and consensus measures. Information Fusion, 2020, 53, 240-250.	19.1	79
115	Group decision making problems in a linguistic and dynamic context. Expert Systems With Applications, 2011, 38, 1675-1688.	7.6	78
116	Meta-heuristic framework: Quantum inspired binary grey wolf optimizer for unit commitment problem. Computers and Electrical Engineering, 2018, 70, 243-260.	4.8	78
117	Two-Fold Personalized Feedback Mechanism for Social Network Consensus by Uninorm Interval Trust Propagation. IEEE Transactions on Cybernetics, 2022, 52, 11081-11092.	9.5	76
118	A quality evaluation methodology for health-related websites based on a 2-tuple fuzzy linguistic approach. Soft Computing, 2010, 14, 887-897.	3.6	73
119	A review on the application of evolutionary computation to information retrieval. International Journal of Approximate Reasoning, 2003, 34, 241-264.	3.3	71
120	A Note on Two Methods for Estimating Missing Pairwise Preference Values. IEEE Transactions on Systems, Man, and Cybernetics, 2009, 39, 1628-1633.	5.0	70
121	A FUZZY LINGUISTIC IRS MODEL BASED ON A 2-TUPLE FUZZY LINGUISTIC APPROACH. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2007, 15, 225-250.	1.9	68
122	Analysing discussions in social networks using group decision making methods and sentiment analysis. Information Sciences, 2018, 447, 157-168.	6.9	68
123	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
124	A review of quality evaluation of digital libraries based on users'™ perceptions. Journal of Information Science, 2012, 38, 269-283.	3.3	63
125	Libraries' Social Role in the Information Age. Science, 2013, 339, 1382-1382.	12.6	63
126	A linguistic mobile Decision Support System based on fuzzy ontology to facilitate knowledge mobilization. Decision Support Systems, 2016, 81, 66-75.	5.9	63



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127	Industry 4.0: a perspective based on bibliometric analysis. <i>Procedia Computer Science</i> , 2018, 139, 364-371.	2.0	63
128	A Dynamic Feedback Mechanism With Attitudinal Consensus Threshold for Minimum Adjustment Cost in Group Decision Making. <i>IEEE Transactions on Fuzzy Systems</i> , 2022, 30, 1287-1301.	9.8	62
129	Agreement Between Telerehabilitation and Face-to-Face Clinical Outcome Assessments for Low Back Pain in Primary Care. <i>Spine</i> , 2013, 38, 947-952.	2.0	61
130	A Personalized Consensus Feedback Mechanism Based on Maximum Harmony Degree. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 6134-6146.	9.3	61
131	A bibliometric analysis of 20 years of research on software product lines. <i>Information and Software Technology</i> , 2016, 72, 1-15.	4.4	60
132	A Bibliometric Analysis of the First Twenty-Five Years of the International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems. <i>International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems</i> , 2018, 26, 169-193.	1.9	59
133	Some interesting properties of the fuzzy linguistic model based on discrete fuzzy numbers to manage hesitant fuzzy linguistic information. <i>Applied Soft Computing Journal</i> , 2015, 36, 383-391.	7.2	58
134	Noticias sobre Covid-19 y 2019-nCoV en medios de comunicaci3n de Espa±a: el papel de los medios digitales en tiempos de confinamiento. <i>Profesional De La Informacion</i> , 2020, 29, .	2.7	58
135	A hybrid system of pedagogical pattern recommendations based on singular value decomposition and variable data attributes. <i>Information Processing and Management</i> , 2013, 49, 607-625.	8.6	57
136	A decision support system to develop a quality management in academic digital libraries. <i>Information Sciences</i> , 2015, 323, 48-58.	6.9	57
137	Multiclass Prediction Model for Student Grade Prediction Using Machine Learning. <i>IEEE Access</i> , 2021, 9, 95608-95621.	4.2	55
138	A fuzzy linguistic model to evaluate the quality of Web sites that store XML documents. <i>International Journal of Approximate Reasoning</i> , 2007, 46, 226-253.	3.3	54
139	Dynamics of Public Opinions in an Online and Offline Social Network. <i>IEEE Transactions on Big Data</i> , 2021, 7, 610-618.	6.1	54
140	Methods to improve the ordinal and multiplicative consistency for reciprocal preference relations. <i>Applied Soft Computing Journal</i> , 2018, 67, 479-493.	7.2	54
141	Opinion Mining, Sentiment Analysis and Emotion Understanding in Advertising: A Bibliometric Analysis. <i>IEEE Access</i> , 2020, 8, 134563-134576.	4.2	54
142	Assessment of Energy Systems Using Extended Fuzzy AHP, Fuzzy VIKOR, and TOPSIS Approaches to Manage Non-Cooperative Opinions. <i>Sustainability</i> , 2020, 12, 2745.	3.2	54
143	A Note on the ITS Topic Evolution in the Period 2000â€“2009 at T-ITS. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2012, 13, 413-420.	8.0	53
144	Global trends in coronavirus research at the time of Covid-19: A general bibliometric approach and content analysis using SciMAT. <i>Profesional De La Informacion</i> , 2020, 29, .	2.7	53

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145	A cyclic dynamic trust-based consensus model for large-scale group decision making with probabilistic linguistic information. <i>Applied Soft Computing Journal</i> , 2021, 100, 106937.	7.2	52
146	How to select a promising enterprise for venture capitalists with prospect theory under intuitionistic fuzzy circumstance?. <i>Applied Soft Computing Journal</i> , 2018, 67, 756-763.	7.2	51
147	A new consensus model for group decision making using fuzzy ontology. <i>Soft Computing</i> , 2013, 17, 1617-1627.	3.6	49
148	Sentiment Analysis based Multi-Person Multi-criteria Decision Making methodology using natural language processing and deep learning for smarter decision aid. Case study of restaurant choice using TripAdvisor reviews. <i>Information Fusion</i> , 2021, 68, 22-36.	19.1	49
149	Characterizing highly cited papers in Social Work through H-Classics. <i>Scientometrics</i> , 2015, 102, 1713-1729.	3.0	48
150	A Dynamic Adaptive Subgroup-to-Subgroup Compatibility-Based Conflict Detection and Resolution Model for Multicriteria Large-Scale Group Decision Making. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 4784-4795.	9.5	48
151	Algorithms to Detect and Rectify Multiplicative and Ordinal Inconsistencies of Fuzzy Preference Relations. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 3498-3511.	9.3	47
152	Fuzzy Logic Models for Non-Programmed Decision-Making in Personnel Selection Processes Based on Gamification. <i>Informatica</i> , 2018, 29, 1-20.	2.7	46
153	Multilayer Framework for Botnet Detection Using Machine Learning Algorithms. <i>IEEE Access</i> , 2021, 9, 48753-48768.	4.2	45
154	Two-Stage Feedback Mechanism With Different Power Structures for Consensus in Large-Scale Group Decision Making. <i>IEEE Transactions on Fuzzy Systems</i> , 2022, 30, 4177-4189.	9.8	45
155	Fuzzy Group Decision Making for influence-aware recommendations. <i>Computers in Human Behavior</i> , 2019, 101, 371-379.	8.5	44
156	Estimating incomplete information in group decision making: A framework of granular computing. <i>Applied Soft Computing Journal</i> , 2020, 86, 105930.	7.2	43
157	REFORE: A recommender system for researchers based on bibliometrics. <i>Applied Soft Computing Journal</i> , 2015, 30, 778-791.	7.2	42
158	Smartphone-based systems for physical rehabilitation applications: A systematic review. <i>Assistive Technology</i> , 2021, 33, 223-236.	2.0	42
159	Analyzing Highly Cited Papers in Intelligent Transportation Systems. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2016, 17, 993-1001.	8.0	41
160	CARESOME: A system to enrich marketing customers acquisition and retention campaigns using social media information. <i>Knowledge-Based Systems</i> , 2015, 80, 163-179.	7.1	40
161	Consensus Reaching With Time Constraints and Minimum Adjustments in Group With Bounded Confidence Effects. <i>IEEE Transactions on Fuzzy Systems</i> , 2020, 28, 2466-2479.	9.8	40
162	Reciprocal Recommender Systems: Analysis of state-of-art literature, challenges and opportunities towards social recommendation. <i>Information Fusion</i> , 2021, 69, 103-127.	19.1	40

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163	Consensus Reaching in Multiple Attribute Group Decision Making: A Multi-Stage Optimization Feedback Mechanism With Individual Bounded Confidences. <i>IEEE Transactions on Fuzzy Systems</i> , 2022, 30, 3333-3346.	9.8	40
164	Building and managing fuzzy ontologies with heterogeneous linguistic information. <i>Knowledge-Based Systems</i> , 2015, 88, 154-164.	7.1	39
165	Evaluation of the hotels e-services quality under the user's experience. <i>Soft Computing</i> , 2017, 21, 995-1011.	3.6	39
166	Alzheimer's Patient Analysis Using Image and Gene Expression Data and Explainable-AI to Present Associated Genes. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-7.	4.7	39
167	Applying a linguistic multi-criteria decision-making model to the analysis of ICT suppliers' offers. <i>Expert Systems With Applications</i> , 2016, 57, 127-138.	7.6	36
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