

Dong-Ling Xu

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

137
papers

5,997
citations

40
h-index

75
g-index

154
ext. papers

6,980
ext. citations

4.6
avg, IF

6.22
L-index

#	Paper	IF	Citations
137	On the evidential reasoning algorithm for multiple attribute decision analysis under uncertainty. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2002 , 32, 289-304		550
136	Evidential reasoning rule for evidence combination. <i>Artificial Intelligence</i> , 2013 , 205, 1-29	3.6	353
135	Environmental impact assessment using the evidential reasoning approach. <i>European Journal of Operational Research</i> , 2006 , 174, 1885-1913	5.6	340
134	The evidential reasoning approach for MADA under both probabilistic and fuzzy uncertainties. <i>European Journal of Operational Research</i> , 2006 , 171, 309-343	5.6	251
133	A two-stage logarithmic goal programming method for generating weights from interval comparison matrices. <i>Fuzzy Sets and Systems</i> , 2005 , 152, 475-498	3.7	242
132	On the centroids of fuzzy numbers. <i>Fuzzy Sets and Systems</i> , 2006 , 157, 919-926	3.7	211
131	The evidential reasoning approach for multiple attribute decision analysis using interval belief degrees. <i>European Journal of Operational Research</i> , 2006 , 175, 35-66	5.6	181
130	Inference and learning methodology of belief-rule-based expert system for pipeline leak detection. <i>Expert Systems With Applications</i> , 2007 , 32, 103-113	7.8	178
129	A preference aggregation method through the estimation of utility intervals. <i>Computers and Operations Research</i> , 2005 , 32, 2027-2049	4.6	177
128	Optimization Models for Training Belief-Rule-Based Systems. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2007 , 37, 569-585		156
127	The evidential reasoning approach for multi-attribute decision analysis under interval uncertainty. <i>European Journal of Operational Research</i> , 2006 , 174, 1914-1943	5.6	149
126	Nonlinear information aggregation via evidential reasoning in multiattribute decision analysis under uncertainty. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2002 , 32, 376-393		133
125	Data classification using evidence reasoning rule. <i>Knowledge-Based Systems</i> , 2017 , 116, 144-151	7.3	124
124	A methodology to model causal relationships on offshore safety assessment focusing on human and organizational factors. <i>Journal of Safety Research</i> , 2008 , 39, 87-100	4	117
123	Interval weight generation approaches based on consistency test and interval comparison matrices. <i>Applied Mathematics and Computation</i> , 2005 , 167, 252-273	2.7	110
122	An enhanced consensus reaching process in group decision making with intuitionistic fuzzy preference relations. <i>Information Sciences</i> , 2016 , 329, 274-286	7.7	93
121	An Offshore Risk Analysis Method Using Fuzzy Bayesian Network. <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 2009 , 131,	1.5	91

120	A belief rule-based decision support system for clinical risk assessment of cardiac chest pain. <i>European Journal of Operational Research</i> , 2012 , 219, 564-573	5.6	88
119	A model for real-time failure prognosis based on hidden Markov model and belief rule base. <i>European Journal of Operational Research</i> , 2010 , 207, 269-283	5.6	87
118	An introduction and survey of the evidential reasoning approach for multiple criteria decision analysis. <i>Annals of Operations Research</i> , 2012 , 195, 163-187	3.2	77
117	Online updating belief rule based system for pipeline leak detection under expert intervention. <i>Expert Systems With Applications</i> , 2009 , 36, 7700-7709	7.8	77
116	On the combination and normalization of interval-valued belief structures?. <i>Information Sciences</i> , 2007 , 177, 1230-1247	7.7	72
115	A Belief Rule-Based Expert System for Fault Diagnosis of Marine Diesel Engines. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017 , 1-17	7.3	65
114	Online Updating Belief-Rule-Base Using the RIMER Approach. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2011 , 41, 1225-1243		65
113	Multi-criteria service recommendation based on user criteria preferences 2011 ,		60
112	Inference analysis and adaptive training for belief rule based systems. <i>Expert Systems With Applications</i> , 2011 , 38, 12845-12860	7.8	60
111	Integrating DEA-oriented performance assessment and target setting using interactive MOLP methods. <i>European Journal of Operational Research</i> , 2009 , 195, 205-222	5.6	60
110	Group-based ERAHP system for product project screening. <i>Expert Systems With Applications</i> , 2008 , 35, 1909-1929	7.8	60
109	A sequential learning algorithm for online constructing belief-rule-based systems. <i>Expert Systems With Applications</i> , 2010 , 37, 1790-1799	7.8	57
108	Belief rule-based methodology for mapping consumer preferences and setting product targets. <i>Expert Systems With Applications</i> , 2012 , 39, 4749-4759	7.8	56
107	On the inference and approximation properties of belief rule based systems. <i>Information Sciences</i> , 2013 , 234, 121-135	7.7	54
106	. <i>IEEE Transactions on Power Systems</i> , 2016 , 31, 2246-2254	7	52
105	A continuous interval-valued linguistic ORESTE method for multi-criteria group decision making. <i>Knowledge-Based Systems</i> , 2018 , 153, 65-77	7.3	52
104	Intelligent decision system for self-assessment. <i>Journal of Multi-Criteria Decision Analysis</i> , 2003 , 12, 43-60.		52
103	Combined medical quality assessment using the evidential reasoning approach. <i>Expert Systems With Applications</i> , 2015 , 42, 5522-5530	7.8	49

102	The optimal design of industrial alarm systems based on evidence theory. <i>Control Engineering Practice</i> , 2016 , 46, 142-156	3.9	48
101	Minimizing total completion time on a single machine with a flexible maintenance activity. <i>Computers and Operations Research</i> , 2011 , 38, 755-770	4.6	47
100	A belief rule based expert system for predicting consumer preference in new product development. <i>Knowledge-Based Systems</i> , 2016 , 94, 105-113	7.3	46
99	Distributed preference relations for multiple attribute decision analysis. <i>Journal of the Operational Research Society</i> , 2016 , 67, 457-473	2	41
98	New model for system behavior prediction based on belief rule based systems. <i>Information Sciences</i> , 2010 , 180, 4834-4864	7.7	41
97	Belief rule-based inference for predicting trauma outcome. <i>Knowledge-Based Systems</i> , 2016 , 95, 35-44	7.3	40
96	Bayesian reasoning approach based recursive algorithm for online updating belief rule based expert system of pipeline leak detection. <i>Expert Systems With Applications</i> , 2011 , 38, 3937-3943	7.8	38
95	Clinical Decision Support Systems: a Review of Knowledge Representation and Inference under Uncertainties. <i>International Journal of Computational Intelligence Systems</i> , 2008 , 1, 159	3.4	38
94	Determining attribute weights for multiple attribute decision analysis with discriminating power in belief distributions. <i>Knowledge-Based Systems</i> , 2018 , 143, 127-141	7.3	37
93	Weapon System Capability Assessment under uncertainty based on the evidential reasoning approach. <i>Expert Systems With Applications</i> , 2011 , 38, 13773-13773	7.8	36
92	Identification of uncertain nonlinear systems: Constructing belief rule-based models. <i>Knowledge-Based Systems</i> , 2015 , 73, 124-133	7.3	35
91	Determining attribute weights to improve solution reliability and its application to selecting leading industries. <i>Annals of Operations Research</i> , 2016 , 245, 401-426	3.2	34
90	Consumer preference prediction by using a hybrid evidential reasoning and belief rule-based methodology. <i>Expert Systems With Applications</i> , 2009 , 36, 8421-8430	7.8	33
89	Clinical Decision Support Systems: A Review on Knowledge Representation and Inference Under Uncertainties. <i>International Journal of Computational Intelligence Systems</i> , 2008 , 1, 159-167	3.4	33
88	Generalised probabilistic linguistic evidential reasoning approach for multi-criteria decision-making under uncertainty. <i>Journal of the Operational Research Society</i> , 2021 , 72, 130-144	2	33
87	Intelligent decision system and its application in business innovation self assessment. <i>Decision Support Systems</i> , 2006 , 42, 664-673	5.6	30
86	A three-stage hybrid approach for weight assignment in MADM. <i>Omega</i> , 2017 , 71, 93-105	7.2	29
85	An explainable AI decision-support-system to automate loan underwriting. <i>Expert Systems With Applications</i> , 2020 , 144, 113100	7.8	29

84	Hidden Behavior Prediction of Complex Systems Based on Hybrid Information. <i>IEEE Transactions on Cybernetics</i> , 2013 , 43, 402-11	10.2	28
83	Ship selection using a multiple-criteria synthesis approach. <i>Journal of Marine Science and Technology</i> , 2008 , 13, 50-62	1.7	28
82	Analysis of fuzzy Hamacher aggregation functions for uncertain multiple attribute decision making. <i>Information Sciences</i> , 2017 , 387, 19-33	7.7	27
81	Applying a belief rule-base inference methodology to a guideline-based clinical decision support system. <i>Expert Systems</i> , 2009 , 26, 391-408	2.1	27
80	Selecting strategic partner for tax information systems based on weight learning with belief structures. <i>International Journal of Approximate Reasoning</i> , 2019 , 105, 66-84	3.6	27
79	Solving multiple-criteria R&D project selection problems with a data-driven evidential reasoning rule. <i>International Journal of Project Management</i> , 2019 , 37, 87-97	7.6	26
78	Clinical Decision Support Systems: a Review of Knowledge Representation and Inference under Uncertainties. <i>International Journal of Computational Intelligence Systems</i> , 2008 , 1, 159	3.4	25
77	An evidential reasoning approach based on criterion reliability and solution reliability. <i>Computers and Industrial Engineering</i> , 2019 , 128, 401-417	6.4	24
76	An empirical study on the application of the Evidential Reasoning rule to decision making in financial investment. <i>Knowledge-Based Systems</i> , 2019 , 164, 226-234	7.3	24
75	Comparison study of multi-attribute decision analytic software. <i>Journal of Multi-Criteria Decision Analysis</i> , 2005 , 13, 65-80	1.9	23
74	Research project evaluation and selection: an evidential reasoning rule-based method for aggregating peer review information with reliabilities. <i>Scientometrics</i> , 2015 , 105, 1469-1490	3	22
73	An evidential reasoning-based decision support system for handling customer complaints in mobile telecommunications. <i>Knowledge-Based Systems</i> , 2018 , 162, 202-210	7.3	22
72	Integrated bank performance assessment and management planning using hybrid minimax reference point IDEA approach. <i>European Journal of Operational Research</i> , 2010 , 207, 1506-1518	5.6	21
71	A new belief rule base knowledge representation scheme and inference methodology using the evidential reasoning rule for evidence combination. <i>Expert Systems With Applications</i> , 2016 , 51, 218-230	7.8	18
70	A double frontier DEA cross efficiency method aggregated by evidential reasoning approach for measuring road safety performance. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019 , 136, 668-688	4.6	17
69	Interactive minimax optimisation for integrated performance analysis and resource planning. <i>Computers and Operations Research</i> , 2014 , 46, 78-90	4.6	16
68	A Study on Generalising Bayesian Inference to Evidential Reasoning. <i>Lecture Notes in Computer Science</i> , 2014 , 180-189	0.9	16
67	Interval-valued Evidence Updating with Reliability and Sensitivity Analysis for Fault Diagnosis. <i>International Journal of Computational Intelligence Systems</i> , 2016 , 9, 396-415	3.4	16

66	Evidence updating with static and dynamical performance analyses for industrial alarm system design. <i>ISA Transactions</i> , 2020 , 99, 110-122	5.5	16
65	Evaluation, ranking and selection of R&D projects by multiple experts: an evidential reasoning rule based approach. <i>Scientometrics</i> , 2017 , 111, 1501-1519	3	15
64	Integrated efficiency and trade-off analyses using a DEA-oriented interactive minimax reference point approach. <i>Computers and Operations Research</i> , 2012 , 39, 1062-1073	4.6	15
63	Aggregate production planning under uncertainty: a comprehensive literature survey and future research directions. <i>International Journal of Advanced Manufacturing Technology</i> , 2019 , 102, 159-181	3.2	15
62	Evaluating the performance of aggregate production planning strategies under uncertainty in soft drink industry. <i>Journal of Manufacturing Systems</i> , 2019 , 50, 146-162	9.1	14
61	Combining principal component analysis and the evidential reasoning approach for healthcare quality assessment. <i>Annals of Operations Research</i> , 2018 , 271, 679-699	3.2	14
60	An evidential reasoning approach based on risk attitude and criterion reliability. <i>Knowledge-Based Systems</i> , 2020 , 199, 105947	7.3	13
59	ASSESSMENT OF NUCLEAR WASTE REPOSITORY OPTIONS USING THE ER APPROACH. <i>International Journal of Information Technology and Decision Making</i> , 2009 , 08, 581-607	2.8	13
58	Multicriteria evidential reasoning decision modelling and analysis—Prioritizing voices of customer. <i>Journal of the Operational Research Society</i> , 2011 , 62, 1638-1654	2	13
57	Evolutionary robust optimization in production planning — Interactions between number of objectives, sample size and choice of robustness measure. <i>Computers and Operations Research</i> , 2017 , 79, 266-278	4.6	12
56	Triangular bounded consistency of fuzzy preference relations. <i>Information Sciences</i> , 2019 , 479, 355-371	7.7	11
55	Context Similarity Metric for Multidimensional Service Recommendation. <i>International Journal of Electronic Commerce</i> , 2013 , 18, 73-104	5.4	11
54	Novel decision model based on mixed chase and level strategy for aggregate production planning under uncertainty: Case study in beverage industry. <i>Computers and Industrial Engineering</i> , 2017 , 114, 54-68	6.4	10
53	Condition-based maintenance of dynamic systems using online failure prognosis and belief rule base. <i>Expert Systems With Applications</i> , 2012 , 39, 6140-6149	7.8	10
52	Belief rule-based system for portfolio optimisation with nonlinear cash-flows and constraints. <i>European Journal of Operational Research</i> , 2012 , 223, 775-784	5.6	10
51	Integrating meta-heuristics, simulation and exact techniques for production planning of a failure-prone manufacturing system. <i>European Journal of Operational Research</i> , 2018 , 266, 976-989	5.6	10
50	Evidential Reasoning Rule-Based Decision Support System for Predicting ICU Admission and In-Hospital Death of Trauma. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-12	7.3	8
49	An evidential reasoning rule based feature selection for improving trauma outcome prediction. <i>Applied Soft Computing Journal</i> , 2021 , 103, 107112	7.5	8

48	Inferential modelling and decision making with data 2017 ,		6
47	Introduction to the ER Rule for Evidence Combination. <i>Lecture Notes in Computer Science</i> , 2011 , 7-15	0.9	6
46	Decentralised energy and its performance assessment models. <i>Frontiers of Engineering Management</i> , 2021 , 8, 183-198	2.7	6
45	Estimation, modeling, and aggregation of missing survey data for prioritizing customer voices. <i>European Journal of Operational Research</i> , 2012 , 220, 762-776	5.6	5
44	A Genetic Algorithm Search Heuristic for Belief Rule-Based Model-Structure Validation 2013 ,		5
43	Distance-based intuitionistic multiplicative multiple criteria decision-making methods for healthcare management in West China Hospital. <i>Expert Systems</i> , 2020 , 37, e12479	2.1	5
42	Demand Analysis with Aggregation Systems. <i>International Journal of Intelligent Systems</i> , 2016 , 31, 425-443	4.4	5
41	A methodology for assessing the effect of portfolio management on NPD performance based on Bayesian network scenarios. <i>Expert Systems</i> , 2017 , 34, e12186	2.1	4
40	THE EVIDENTIAL REASONING APPROACH FOR RISK MANAGEMENT IN LARGE ENTERPRISES. <i>International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems</i> , 2012 , 20, 17-30	0.8	4
39	Uncertainty and Preference Modelling for Multiple Criteria Vehicle Evaluation. <i>International Journal of Computational Intelligence Systems</i> , 2010 , 3, 688-708	3.4	4
38	A Bibliometric Overview of Financial Studies. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 245-254	4	4
37	Group article recommendation based on ER rule in Scientific Social Networks. <i>Applied Soft Computing Journal</i> , 2021 , 110, 107631	7.5	4
36	Evidential reasoning for preprocessing uncertain categorical data for trustworthy decisions: An application on healthcare and finance. <i>Expert Systems With Applications</i> , 2021 , 185, 115597	7.8	4
35	Track irregularity fault identification Based on Evidence Reasoning rule 2016 ,		3
34	Application of an intelligent decision system to nuclear waste repository option analysis. <i>International Journal of Nuclear Governance, Economy and Ecology</i> , 2008 , 2, 146	0.3	3
33	A Fuzzy Group Prioritization Method for Deriving Weights and its Software Implementation. <i>International Journal of Interactive Multimedia and Artificial Intelligence</i> , 2013 , 2, 7	3.8	3
32	Using Two-layer Minimax Optimization and DEA to Determine Attribute Weights. <i>Journal of Management Science and Engineering</i> , 2018 , 3, 76-100	4.4	3
31	Multiple Criteria Performance Modelling and Impact Assessment of Renewable Energy SystemsA Literature Review 2018 , 1-15		2

30	Application of Evidential Reasoning rules to identification of asthma control steps in children 2016 ,		2
29	A review on multiple criteria performance analysis of renewable energy systems 2017 ,		2
28	Circuit Tolerance Design Using Belief Rule Base. <i>Mathematical Problems in Engineering</i> , 2015 , 2015, 1-12	1.1	2
27	Generic Expert System and Its Application in Knowledge Modelling and Inference 2013 ,		2
26	Induction of belief decision trees from data 2012 ,		2
25	APPLYING A NEW RULE-BASE INFERENCE METHODOLOGY INTO CLINICAL DECISION MAKING 2008		2
24	Uncertain Nonlinear System Modeling and Identification Using Belief Rule-Based Systems. <i>Lecture Notes in Computer Science</i> , 2013 , 209-218	0.9	2
23	Multiple Criteria Performance Assessment for Decentralized Energy Systems: A Case Study 2019 ,		1
22	Overall Efficiency and its Decomposition in a Two-Stage Network DEA Model. <i>Journal of Management Science and Engineering</i> , 2017 , 2, 161-192	4.4	1
21	An Evaluation of Website Upgrade Options: A Case Study Comparison of ANFIS and RIMER 2013 ,		1
20	A Methodology to Model Human and Organisational Errors on Offshore Risk Analysis 2006 ,		1
19	Decision Support System for Evaluating Impact of Product Carbon Labeling Scheme. <i>Frontiers of Engineering Management</i> , 2014 , 1, 89	2.7	1
18	Security Based Operation in Container Line Supply Chain: a Literature Review. <i>Atlantis Computational Intelligence Systems</i> , 2013 , 95-115		1
17	Handling Uncertain and Qualitative Information in Impact Assessment [Applications of IDS in Policy Making Support. <i>Studies in Computational Intelligence</i> , 2008 , 159-185	0.8	1
16	Automobile Insurance Fraud Detection using the Evidential Reasoning Approach and Data-Driven Inferential Modelling 2020 ,		1
15	Data-driven preference learning in multiple criteria decision making in the evidential reasoning context. <i>Applied Soft Computing Journal</i> , 2021 , 102, 107109	7.5	1
14	A new machine learning technique for predicting traumatic injuries outcomes based on the vital signs 2019 ,		1
13	Evidential reasoning with linguistic belief structures 2019 ,		1

12	Determining analogies based on the integration of multiple information sources. <i>International Journal of Forecasting</i> , 2018 , 34, 507-528	5.3	1
11	Probabilistic modeling approach for interpretable inference and prediction with data for sepsis diagnosis. <i>Expert Systems With Applications</i> , 2021 , 183, 115333	7.8	1
10	A probabilistic modeling approach for interpretable data inference and classification. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021 , 40, 5101-5117	1.6	0
9	Corporate Failure Risk Assessment for Knowledge-Intensive Services Using the Evidential Reasoning Approach. <i>Journal of Risk and Financial Management</i> , 2022 , 15, 131	2.4	0
8	INTERVAL IDENTIFICATION OF UNCERTAIN NONLINEAR SYSTEMS USING BELIEF RULE-BASED SYSTEMS. <i>World Scientific Proceedings Series on Computer Engineering and Information Science</i> , 2012 , 762-768		
7	Deriving Weights from Group Fuzzy Pairwise Comparison Judgement Matrices. <i>Advances in Intelligent Systems and Computing</i> , 2013 , 545-555	0.4	
6	Project Risk Modelling and Assessment in New Product Development 2009 , 259-269		
5	A Web Based Assessment Tool via the Evidential Reasoning Approach. <i>Atlantis Computational Intelligence Systems</i> , 2010 , 183-204		
4	Decision Making with Fuzzy Moving Averages and OWA Operators. <i>Lecture Notes in Business Information Processing</i> , 2013 , 210-221	0.6	
3	Fire and Explosion Safety Assessment in Container Line Supply Chain. <i>Atlantis Computational Intelligence Systems</i> , 2013 , 295-306		
2	Will Delayed Retirement Affect the Health of Chinese Workers? A Study from the Perspective of Sustainability of Physical Health. <i>Sustainability</i> , 2021 , 13, 3187	3.6	
1	Visualising regional disparities in the risk of COVID-19 at different phases of lockdown in England. <i>Environment and Planning A</i> , 2021 , 53, 883-886	2.7	