Dong-Ling Xu

List of Publications by Year
in descending order

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151 papers	7,968 citations	53751 45 h-index	51562 86 g-index
155 all docs	155 docs citations	155 times ranked	3464 citing authors

#	Article	IF	Citations
1	Corporate Failure Risk Assessment for Knowledge-Intensive Services Using the Evidential Reasoning Approach. Journal of Risk and Financial Management, 2022, 15, 131.	1.1	3
2	Evidential Reasoning Rule-Based Decision Support System for Predicting ICU Admission and In-Hospital Death of Trauma. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 7131-7142.	5.9	33
3	Generalised probabilistic linguistic evidential reasoning approach for multi-criteria decision-making under uncertainty. Journal of the Operational Research Society, 2021, 72, 130-144.	2.1	53
4	Decentralised energy and its performance assessment models. Frontiers of Engineering Management, 2021, 8, 183-198.	3.3	14
5	Visualising regional disparities in the risk of COVID-19 at different phases of lockdown in England. Environment and Planning A, 2021, 53, 883-886.	2.1	2
6	Will Delayed Retirement Affect the Health of Chinese Workers? A Study from the Perspective of Sustainability of Physical Health. Sustainability, 2021, 13, 3187.	1.6	1
7	A probabilistic modeling approach for interpretable data inference and classification. Journal of Intelligent and Fuzzy Systems, 2021, 40, 5101-5117.	0.8	2
8	Data-driven preference learning in multiple criteria decision making in the evidential reasoning context. Applied Soft Computing Journal, 2021, 102, 107109.	4.1	7
9	An evidential reasoning rule based feature selection for improving trauma outcome prediction. Applied Soft Computing Journal, 2021, 103, 107112.	4.1	25
10	Group article recommendation based on ER rule in Scientific Social Networks. Applied Soft Computing Journal, 2021, 110, 107631.	4.1	12
11	Probabilistic modeling approach for interpretable inference and prediction with data for sepsis diagnosis. Expert Systems With Applications, 2021, 183, 115333.	4.4	7
12	Evidential reasoning for preprocessing uncertain categorical data for trustworthy decisions: An application on healthcare and finance. Expert Systems With Applications, 2021, 185, 115597.	4.4	32
13	A Belief Rule-Based Expert System for Fault Diagnosis of Marine Diesel Engines. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 656-672.	5.9	112
14	Evidence updating with static and dynamical performance analyses for industrial alarm system design. ISA Transactions, 2020, 99, 110-122.	3.1	21
15	Distanceâ€based intuitionistic multiplicative multiple criteria decisionâ€making methods for healthcare management in West China Hospital. Expert Systems, 2020, 37, e12479.	2.9	9
16	An explainable AI decision-support-system to automate loan underwriting. Expert Systems With Applications, 2020, 144, 113100.	4.4	87
17	High value passenger identification research based on Federated Learning. , 2020, , .		2
18	Automobile Insurance Fraud Detection using the Evidential Reasoning Approach and Data-Driven Inferential Modelling. , 2020, , .		2

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19	An evidential reasoning approach based on risk attitude and criterion reliability. Knowledge-Based Systems, 2020, 199, 105947.	4.0	31
20	Fraud detection in automobile insurance claims: A statistical review. , 2020, , .		1
21	An application of the evidential reasoning rule to predict outcomes following traumatic injuries. , 2020, , .		1
22	Decentralized energy system and its performance assessment framework based on MCDA. , 2020, , .		0
23	A double frontier DEA cross efficiency method aggregated by evidential reasoning approach for measuring road safety performance. Measurement: Journal of the International Measurement Confederation, 2019, 136, 668-688.	2.5	34
24	Multiple Criteria Performance Assessment for Decentralized Energy Systems: A Case Study. , 2019, , .		1
25	Evaluating the performance of aggregate production planning strategies under uncertainty in soft drink industry. Journal of Manufacturing Systems, 2019, 50, 146-162.	7.6	21
26	Triangular bounded consistency of fuzzy preference relations. Information Sciences, 2019, 479, 355-371.	4.0	14
27	A new machine learning technique for predicting traumatic injuries outcomes based on the vital signs. , 2019, , .		1
28	Evidential reasoning with linguistic belief structures. , 2019, , .		1
29	Aggregate production planning under uncertainty: a comprehensive literature survey and future research directions. International Journal of Advanced Manufacturing Technology, 2019, 102, 159-181.	1.5	33
30	An evidential reasoning approach based on criterion reliability and solution reliability. Computers and Industrial Engineering, 2019, 128, 401-417.	3.4	28
31	An empirical study on the application of the Evidential Reasoning rule to decision making in financial investment. Knowledge-Based Systems, 2019, 164, 226-234.	4.0	38
32	Selecting strategic partner for tax information systems based on weight learning with belief structures. International Journal of Approximate Reasoning, 2019, 105, 66-84.	1.9	31
33	Solving multiple-criteria R&D project selection problems with a data-driven evidential reasoning rule. International Journal of Project Management, 2019, 37, 87-97.	2.7	33
34	Combining principal component analysis and the evidential reasoning approach for healthcare quality assessment. Annals of Operations Research, 2018, 271, 679-699.	2.6	22
35	A continuous interval-valued linguistic ORESTE method for multi-criteria group decision making. Knowledge-Based Systems, 2018, 153, 65-77.	4.0	69
36	Multiple Criteria Performance Modelling and Impact Assessment of Renewable Energy Systemsâ€"A Literature Review. , 2018, , 1-15.		2

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37	Determining attribute weights for multiple attribute decision analysis with discriminating power in belief distributions. Knowledge-Based Systems, 2018, 143, 127-141.	4.0	49
38	Integrating meta-heuristics, simulation and exact techniques for production planning of a failure-prone manufacturing system. European Journal of Operational Research, 2018, 266, 976-989.	3.5	14
39	Collaborative supporting tool: Integrating social media and mobile groupware into an integrated learning environment. , 2018, , .		1
40	An evidential reasoning-based decision support system for handling customer complaints in mobile telecommunications. Knowledge-Based Systems, 2018, 162, 202-210.	4.0	38
41	Determining analogies based on the integration of multiple information sources. International Journal of Forecasting, 2018, 34, 507-528.	3.9	1
42	Features selection and improving for trauma outcomes prediction models. , 2018, , .		1
43	An evidential-reasoning based model for probabilistic inference with uncertain data acquired from different data sources. , 2018, , .		0
44	Evolutionary robust optimization in production planning â€“ interactions between number of objectives, sample size and choice of robustness measure. Computers and Operations Research, 2017, 79, 266-278.	2.4	16
45	Analysis of fuzzy Hamacher aggregation functions for uncertain multiple attribute decision making. Information Sciences, 2017, 387, 19-33.	4.0	36
46	Evaluation, ranking and selection of R&D projects by multiple experts: an evidential reasoning rule based approach. Scientometrics, 2017, 111, 1501-1519.	1.6	18
47	Novel decision model based on mixed chase and level strategy for aggregate production planning under uncertainty: Case study in beverage industry. Computers and Industrial Engineering, 2017, 114, 54-68.	3.4	15
48	A review on multiple criteria performance analysis of renewable energy systems. , 2017, , .		3
49	A methodology for assessing the effect of portfolio management on NPD performance based on Bayesian network scenarios. Expert Systems, 2017, 34, e12186.	2.9	6
50	A three-stage hybrid approach for weight assignment in MADM. Omega, 2017, 71, 93-105.	3.6	40
51	Data classification using evidence reasoning rule. Knowledge-Based Systems, 2017, 116, 144-151.	4.0	166
52	Inferential modelling and decision making with data. , 2017, , .		11
53	Demand Analysis with Aggregation Systems. International Journal of Intelligent Systems, 2016, 31, 425-443.	3.3	5
54	The optimal design of industrial alarm systems based on evidence theory. Control Engineering Practice, 2016, 46, 142-156.	3.2	57

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55	Interval-valued Evidence Updating with Reliability and Sensitivity Analysis for Fault Diagnosis. International Journal of Computational Intelligence Systems, 2016, 9, 396.	1.6	22
56	Track irregularity fault identification Based on Evidence Reasoning rule. , 2016, , .		3
57	Application of Evidential Reasoning rules to identification of asthma control steps in children. , 2016, , .		2
58	Determining attribute weights to improve solution reliability and its application to selecting leading industries. Annals of Operations Research, 2016, 245, 401-426.	2.6	38
59	A new belief rule base knowledge representation scheme and inference methodology using the evidential reasoning rule for evidence combination. Expert Systems With Applications, 2016, 51, 218-230.	4.4	27
60	Distributed preference relations for multiple attribute decision analysis. Journal of the Operational Research Society, 2016, 67, 457-473.	2.1	53
61	A belief rule based expert system for predicting consumer preference in new product development. Knowledge-Based Systems, 2016, 94, 105-113.	4.0	55
62	Belief rule-based inference for predicting trauma outcome. Knowledge-Based Systems, 2016, 95, 35-44.	4.0	49
63	Optimal Power System Dispatch With Wind Power Integrated Using Nonlinear Interval Optimization and Evidential Reasoning Approach. IEEE Transactions on Power Systems, 2016, 31, 2246-2254.	4.6	78
64	An enhanced consensus reaching process in group decision making with intuitionistic fuzzy preference relations. Information Sciences, 2016, 329, 274-286.	4.0	110
65	Circuit Tolerance Design Using Belief Rule Base. Mathematical Problems in Engineering, 2015, 2015, 1-12.	0.6	6
66	Research project evaluation and selection: an evidential reasoning rule-based method for aggregating peer review information with reliabilities. Scientometrics, 2015, 105, 1469-1490.	1.6	25
67	Combined medical quality assessment using the evidential reasoning approach. Expert Systems With Applications, 2015, 42, 5522-5530.	4.4	65
68	Identification of uncertain nonlinear systems: Constructing belief rule-based models. Knowledge-Based Systems, 2015, 73, 124-133.	4.0	41
69	A Bibliometric Overview of Financial Studies. Advances in Intelligent Systems and Computing, 2015, , 245-254.	0.5	7
70	Interactive minimax optimisation for integrated performance analysis and resource planning. Computers and Operations Research, 2014, 46, 78-90.	2.4	17
71	A Study on Generalising Bayesian Inference to Evidential Reasoning. Lecture Notes in Computer Science, 2014, , 180-189.	1.0	22
72	Decision Support System for Evaluating Impact of Product Carbon Labeling Scheme. Frontiers of Engineering Management, 2014, 1, 89.	3.3	1

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73	Supply Analysis and Aggregation Systems. , 2013, , .		0
74	Hidden Behavior Prediction of Complex Systems Based on Hybrid Information. IEEE Transactions on Cybernetics, 2013, 43, 402-411.	6.2	35
75	Evidential reasoning rule for evidence combination. Artificial Intelligence, 2013, 205, 1-29.	3.9	520
76	On the inference and approximation properties of belief rule based systems. Information Sciences, 2013, 234, 121-135.	4.0	66
77	Deriving Weights from Group Fuzzy Pairwise Comparison Judgement Matrices. Advances in Intelligent Systems and Computing, 2013, , 545-555.	0.5	0
78	Generic Expert System and Its Application in Knowledge Modelling and Inference. , 2013, , .		2
79	An Evaluation of Website Upgrade Options: A Case Study Comparison of ANFIS and RIMER. , 2013, , .		1
80	A Genetic Algorithm Search Heuristic for Belief Rule-Based Model-Structure Validation. , 2013, , .		5
81	Context Similarity Metric for Multidimensional Service Recommendation. International Journal of Electronic Commerce, 2013, 18, 73-104.	1.4	15
82	Uncertain Nonlinear System Modeling and Identification Using Belief Rule-Based Systems. Lecture Notes in Computer Science, 2013, , 209-218.	1.0	2
83	Security Based Operation in Container Line Supply Chain: a Literature Review. Atlantis Computational Intelligence Systems, 2013, , 95-115.	0.5	1
84	A Fuzzy Group Prioritization Method for Deriving Weights and its Software Implementation. International Journal of Interactive Multimedia and Artificial Intelligence, 2013, 2, 7.	1.0	4
85	Decision Making with Fuzzy Moving Averages and OWA Operators. Lecture Notes in Business Information Processing, 2013, , 210-221.	0.8	0
86	Fire and Explosion Safety Assessment in Container Line Supply Chain. Atlantis Computational Intelligence Systems, 2013, , 295-306.	0.5	0
87	Induction of belief decision trees from data. , 2012, , .		3
88	THE EVIDENTIAL REASONING APPROACH FOR RISK MANAGEMENT IN LARGE ENTERPRISES. International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems, 2012, 20, 17-30.	0.9	5
89	INTERVAL IDENTIFICATION OF UNCERTAIN NONLINEAR SYSTEMS USING BELIEF RULE-BASED SYSTEMS. World Scientific Proceedings Series on Computer Engingeering and Information Science, 2012, , 762-768.	0.1	0
90	Belief rule-based system for portfolio optimisation with nonlinear cash-flows and constraints. European Journal of Operational Research, 2012, 223, 775-784.	3.5	14

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91	An introduction and survey of the evidential reasoning approach for multiple criteria decision analysis. Annals of Operations Research, 2012, 195, 163-187.	2.6	90
92	Integrated efficiency and trade-off analyses using a DEA-oriented interactive minimax reference point approach. Computers and Operations Research, 2012, 39, 1062-1073.	2.4	18
93	A belief rule-based decision support system for clinical risk assessment of cardiac chest pain. European Journal of Operational Research, 2012, 219, 564-573.	3.5	117
94	Estimation, modeling, and aggregation of missing survey data for prioritizing customer voices. European Journal of Operational Research, 2012, 220, 762-776.	3.5	6
95	Belief rule-based methodology for mapping consumer preferences and setting product targets. Expert Systems With Applications, 2012, 39, 4749-4759.	4.4	70
96	Condition-based maintenance of dynamic systems using online failure prognosis and belief rule base. Expert Systems With Applications, 2012, 39, 6140-6149.	4.4	13
97	Evidence based decision analysis and support. , 2011, , .		0
98	Supporting nuclear safety culture assessment using Intelligent Decision System software. , 2011, , .		1
99	Multi-criteria service recommendation based on user criteria preferences. , 2011, , .		76
100	Online Updating Belief-Rule-Base Using the RIMER Approach. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2011, 41, 1225-1243.	3.4	77
101	Bayesian reasoning approach based recursive algorithm for online updating belief rule based expert system of pipeline leak detection. Expert Systems With Applications, 2011, 38, 3937-3943.	4.4	43
102	Inference analysis and adaptive training for belief rule based systems. Expert Systems With Applications, 2011, 38, 12845-12860.	4.4	84
103	Weapon System Capability Assessment under uncertainty based on the evidential reasoning approach. Expert Systems With Applications, 2011, 38, 13773-13773.	4.4	48
104	Minimizing total completion time on a single machine with a flexible maintenance activity. Computers and Operations Research, 2011, 38, 755-770.	2.4	57
105	Optimal Profit Model in Coordinating Supply Chain with Stochastic Demands. , 2011, , .		0
106	Multicriteria evidential reasoning decision modelling and analysisâ€"prioritizing voices of customer. Journal of the Operational Research Society, 2011, 62, 1638-1654.	2.1	16
107	Introduction to the ER Rule for Evidence Combination. Lecture Notes in Computer Science, 2011, , 7-15.	1.0	7
108	Uncertainty and Preference Modelling for Multiple Criteria Vehicle Evaluation. International Journal of Computational Intelligence Systems, 2010, 3, 688-708.	1.6	4

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109	A sequential learning algorithm for online constructing belief-rule-based systems. Expert Systems With Applications, 2010, 37, 1790-1799.	4.4	65
110	Integrated bank performance assessment and management planning using hybrid minimax reference point â€“ DEA approach. European Journal of Operational Research, 2010, 207, 1506-1518.	3.5	29
111	A model for real-time failure prognosis based on hidden Markov model and belief rule base. European Journal of Operational Research, 2010, 207, 269-283.	3.5	113
112	New model for system behavior prediction based on belief rule based systems. Information Sciences, 2010, 180, 4834-4864.	4.0	49
113	Uncertainty and Preference Modelling for Multiple Criteria Vehicle Evaluation. International Journal of Computational Intelligence Systems, 2010, 3, 688.	1.6	3
114	A Web Based Assessment Tool via the Evidential Reasoning Approach. Atlantis Computational Intelligence Systems, 2010, , 183-204.	0.5	0
115	Application of multiple criteria decision analysis in impact assessment of carbon labelling. , 2009, , .		1
116	An Offshore Risk Analysis Method Using Fuzzy Bayesian Network. Journal of Offshore Mechanics and Arctic Engineering, 2009, 131, .	0.6	120
117	ASSESSMENT OF NUCLEAR WASTE REPOSITORY OPTIONS USING THE ER APPROACH. International Journal of Information Technology and Decision Making, 2009, 08, 581-607.	2.3	17
118	Applying a belief ruleâ€base inference methodology to a guidelineâ€based clinical decision support system. Expert Systems, 2009, 26, 391-408.	2.9	33
119	Integrating DEA-oriented performance assessment and target setting using interactive MOLP methods. European Journal of Operational Research, 2009, 195, 205-222.	3.5	68
120	Online updating belief rule based system for pipeline leak detection under expert intervention. Expert Systems With Applications, 2009, 36, 7700-7709.	4.4	97
121	Consumer preference prediction by using a hybrid evidential reasoning and belief rule-based methodology. Expert Systems With Applications, 2009, 36, 8421-8430.	4.4	42
122	Project Risk Modelling and Assessment in New Product Development. , 2009, , 259-269.		0
123	Group-based ERâ€“AHP system for product project screening. Expert Systems With Applications, 2008, 35, 1909-1929.	4.4	84
124	Ship selection using a multiple-criteria synthesis approach. Journal of Marine Science and Technology, 2008, 13, 50-62.	1.3	38
125	A methodology to model causal relationships on offshore safety assessment focusing on human and organizational factors. Journal of Safety Research, 2008, 39, 87-100.	1.7	148
126	Clinical Decision Support Systems: A Review on Knowledge Representation and Inference Under Uncertainties. International Journal of Computational Intelligence Systems, 2008, 1, 159-167.	1.6	54

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127	Application of an intelligent decision system to nuclear waste repository option analysis. International Journal of Nuclear Governance, Economy and Ecology, 2008, 2, 146.	0.2	4
128	APPLYING A NEW RULE-BASE INFERENCE METHODOLOGY INTO CLINICAL DECISION MAKING. , 2008, , .		2
129	Handling Uncertain and Qualitative Information in Impact Assessment â€“ Applications of IDS in Policy Making Support. Studies in Computational Intelligence, 2008, , 159-185.	0.7	1
130	Clinical Decision Support Systems: a Review of Knowledge Representation and Inference under Uncertainties. International Journal of Computational Intelligence Systems, 2008, 1, 159.	1.6	26
131	Clinical Decision Support Systems: a Review of Knowledge Representation and Inference under Uncertainties. International Journal of Computational Intelligence Systems, 2008, 1, 159.	1.6	43
132	Optimization Models for Training Belief-Rule-Based Systems. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2007, 37, 569-585.	3.4	207
133	On the combination and normalization of interval-valued belief structuresâ˜†. Information Sciences, 2007, 177, 1230-1247.	4.0	89
134	Inference and learning methodology of belief-rule-based expert system for pipeline leak detection. Expert Systems With Applications, 2007, 32, 103-113.	4.4	231
135	Environmental impact assessment using the evidential reasoning approach. European Journal of Operational Research, 2006, 174, 1885-1913.	3.5	440
136	The evidential reasoning approach for multi-attribute decision analysis under interval uncertainty. European Journal of Operational Research, 2006, 174, 1914-1943.	3.5	181
137	The evidential reasoning approach for multiple attribute decision analysis using interval belief degrees. European Journal of Operational Research, 2006, 175, 35-66.	3.5	236
138	On the centroids of fuzzy numbers. Fuzzy Sets and Systems, 2006, 157, 919-926.	1.6	289
139	The evidential reasoning approach for MADA under both probabilistic and fuzzy uncertainties. European Journal of Operational Research, 2006, 171, 309-343.	3.5	311
140	Intelligent decision system and its application in business innovation self assessment. Decision Support Systems, 2006, 42, 664-673.	3.5	38
141	A Methodology to Model Human and Organisational Errors on Offshore Risk Analysis. , 2006, , .		1
142	APPLICATION OF INTELLIGENT DECISION SYSTEM TO NUCLEAR WASTE DEPOSITORY OPTION ANALYSIS. , 2006, , .		0
143	A two-stage logarithmic goal programming method for generating weights from interval comparison matrices. Fuzzy Sets and Systems, 2005, 152, 475-498.	1.6	293
144	Interval weight generation approaches based on consistency test and interval comparison matrices. Applied Mathematics and Computation, 2005, 167, 252-273.	1.4	133

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145	A preference aggregation method through the estimation of utility intervals. Computers and Operations Research, 2005, 32, 2027-2049.	2.4	207
146	Comparison study of multi-attribute decision analytic software. Journal of Multi-Criteria Decision Analysis, 2005, 13, 65-80.	1.0	29
147	Intelligent decision system for self-assessment. Journal of Multi-Criteria Decision Analysis, 2003, 12, 43-60.	1.0	65
148	On the evidential reasoning algorithm for multiple attribute decision analysis under uncertainty. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2002, 32, 289-304.	3.4	714
149	Nonlinear information aggregation via evidential reasoning in multiattribute decision analysis under uncertainty. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2002, 32, 376-393.	3.4	175
150	Multi-Asset Class Portfolio Optimisation Using a Belief Rule-Based System. SSRN Electronic Journal, 0, , .	0.4	0
151	Multi-Asset Class Portfolio Optimisation Using a Belief Rule-Based System. SSRN Electronic Journal, 0, , .	0.4	0