

Weiru Liu

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

1,126
citations

567281

15
h-index

414414

32
g-index

67
all docs

67
docs citations

67
times ranked

815
citing authors

#	ARTICLE	IF	CITATIONS
1	Analyzing the degree of conflict among belief functions. <i>Artificial Intelligence</i> , 2006, 170, 909-924.	5.8	350
2	The basic principles of uncertain information fusion. An organised review of merging rules in different representation frameworks. <i>Information Fusion</i> , 2016, 32, 12-39.	19.1	102
3	Performing meta-analysis with incomplete statistical information in clinical trials. <i>BMC Medical Research Methodology</i> , 2008, 8, 56.	3.1	80
4	An evidential fusion approach for gender profiling. <i>Information Sciences</i> , 2016, 333, 10-20.	6.9	61
5	Fusion rules for merging uncertain information. <i>Information Fusion</i> , 2006, 7, 97-134.	19.1	35
6	A general framework for measuring inconsistency through minimal inconsistent sets. <i>Knowledge and Information Systems</i> , 2011, 27, 85-114.	3.2	33
7	Detecting anomalies in graphs with numeric labels. , 2011, , .		30
8	BRIDGING JEFFREY'S RULE, AGM REVISION AND DEMPSTER CONDITIONING IN THE THEORY OF EVIDENCE. <i>International Journal on Artificial Intelligence Tools</i> , 2011, 20, 691-720.	1.0	23
9	A revision-based approach to handling inconsistency in description logics. <i>Artificial Intelligence Review</i> , 2006, 26, 115-128.	15.7	22
10	Event Composition with Imperfect Information for Bus Surveillance. , 2009, , .		21
11	A framework for managing uncertain inputs: An axiomization of rewarding. <i>International Journal of Approximate Reasoning</i> , 2011, 52, 917-934.	3.3	21
12	Computational approaches to finding and measuring inconsistency in arbitrary knowledge bases. <i>International Journal of Approximate Reasoning</i> , 2014, 55, 1659-1693.	3.3	20
13	Merging uncertain information with semantic heterogeneity in XML. <i>Knowledge and Information Systems</i> , 2006, 9, 230-258.	3.2	19
14	Reinvestigating Dempster's Idea on Evidence Combination. <i>Knowledge and Information Systems</i> , 2000, 2, 223-241.	3.2	18
15	Measuring Inconsistency in Requirements Specifications. <i>Lecture Notes in Computer Science</i> , 2005, , 440-451.	1.3	17
16	Event Modelling and Reasoning with Uncertain Information for Distributed Sensor Networks. <i>Lecture Notes in Computer Science</i> , 2010, , 236-249.	1.3	17
17	MEASURING INCONSISTENCY IN A NETWORK INTRUSION DETECTION RULE SET BASED ON SNORT. <i>International Journal of Semantic Computing</i> , 2011, 05, 281-322.	0.5	15
18	A survey of formalisms for representing and reasoning with scientific knowledge. <i>Knowledge Engineering Review</i> , 2010, 25, 199-222.	2.6	14

#	ARTICLE	IF	CITATIONS
19	A Context-Dependent Algorithm for Merging Uncertain Information in Possibility Theory. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2008, 38, 1385-1397.	2.9	13
20	Integrating textual analysis and evidential reasoning for decision making in Engineering design. Knowledge-Based Systems, 2013, 52, 165-175.	7.1	13
21	Combining multiple prioritized knowledge bases by negotiation. Fuzzy Sets and Systems, 2007, 158, 2535-2551.	2.7	12
22	Handling Inconsistency In Distributed Software Requirements Specifications Based On Prioritized Merging. Fundamenta Informaticae, 2009, 91, 631-670.	0.4	12
23	Measuring the significance of inconsistency in the Viewpoints framework. Science of Computer Programming, 2013, 78, 1572-1599.	1.9	12
24	Evidential event inference in transport video surveillance. Computer Vision and Image Understanding, 2016, 144, 276-297.	4.7	11
25	A belief revision framework for revising epistemic states with partial epistemic states. International Journal of Approximate Reasoning, 2015, 59, 20-40.	3.3	10
26	Context-dependent combination of sensor information in Dempster-Shafer theory for BDI. Knowledge and Information Systems, 2017, 51, 259-285.	3.2	10
27	A comprehensive comparison between generalized incidence calculus and the Dempster-Shafer theory of evidence. International Journal of Human Computer Studies, 1994, 40, 1009-1032.	5.6	8
28	From inconsistency handling to non-canonical requirements management: A logical perspective. International Journal of Approximate Reasoning, 2013, 54, 109-131.	3.3	8
29	A Dempster-Shafer theory and uninorm-based framework of reasoning and multiattribute decision-making for surveillance system. International Journal of Intelligent Systems, 2019, 34, 3077-3104.	5.7	8
30	Measuring Conflict Between Possibilistic Uncertain Information Through Belief Function Theory. Lecture Notes in Computer Science, 2006, , 265-277.	1.3	8
31	A split-combination approach to merging knowledge bases in possibilistic logic. Annals of Mathematics and Artificial Intelligence, 2007, 48, 45-84.	1.3	7
32	Managing Software Requirements Changes Based on Negotiation-Style Revision. Journal of Computer Science and Technology, 2011, 26, 890-907.	1.5	7
33	Modeling and reasoning with qualitative comparative clinical knowledge. International Journal of Intelligent Systems, 2011, 26, 25-46.	5.7	7
34	Measuring conflict and agreement between two prioritized knowledge bases in possibilistic logic. Fuzzy Sets and Systems, 2010, 161, 1906-1925.	2.7	6
35	Plan Selection for Probabilistic BDI Agents. , 2014, , .		6
36	A Characteristic Function Approach to Inconsistency Measures for Knowledge Bases. Lecture Notes in Computer Science, 2012, , 473-485.	1.3	6

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37	AN EXTENDED FRAMEWORK FOR EVIDENTIAL REASONING SYSTEMS. International Journal of Pattern Recognition and Artificial Intelligence, 1993, 07, 441-457.	1.2	5
38	Acceptable costs of minimax regret equilibrium: A Solution to security games with surveillance-driven probabilistic information. Expert Systems With Applications, 2018, 108, 206-222.	7.6	5
39	Probabilistic Planning in AgentSpeak Using the POMDP Framework. Smart Innovation, Systems and Technologies, 2016, , 19-37.	0.6	5
40	A Collaborative Multiagent Framework Based on Online Risk-Aware Planning and Decision-Making. , 2016, , .		4
41	Incomplete Statistical Information Fusion and Its Application to Clinical Trials Data. Lecture Notes in Computer Science, 2007, , 89-103.	1.3	4
42	Revision over Partial Pre-orders: A Postulational Study. Lecture Notes in Computer Science, 2012, , 219-232.	1.3	4
43	Constructing probabilistic ATMSs using extended incidence calculus. International Journal of Approximate Reasoning, 1996, 15, 145-182.	3.3	3
44	Finding the most descriptive substructures in graphs with discrete and numeric labels. Journal of Intelligent Information Systems, 2014, 42, 307-332.	3.9	3
45	An Extended Event Reasoning Framework for Decision Support under Uncertainty. Communications in Computer and Information Science, 2014, , 335-344.	0.5	3
46	An XML Based Framework for Merging Incomplete and Inconsistent Statistical Information from Clinical Trials. Studies in Fuzziness and Soft Computing, 2010, , 259-290.	0.8	3
47	A Blame-Based Approach to Generating Proposals for Handling Inconsistency in Software Requirements. International Journal of Knowledge and Systems Science, 2012, 3, 1-17.	0.8	3
48	The Method of Assigning Incidences. Applied Intelligence, 1998, 9, 139-161.	5.3	2
49	Agwan: A Generative Model for Labelled, Weighted Graphs. Lecture Notes in Computer Science, 2014, , 181-200.	1.3	2
50	Computational-Workload Based Binarization and Partition of Qualitative Markov Trees for Belief Combination. Lecture Notes in Computer Science, 2003, , 306-318.	1.3	2
51	Imprecise probabilistic query answering using measures of ignorance and degree of satisfaction. Annals of Mathematics and Artificial Intelligence, 2012, 64, 145-183.	1.3	1
52	A Syntactic Approach to Revising Epistemic States with Uncertain Inputs. , 2014, , .		1
53	Generating Realistic Labelled, Weighted Random Graphs. Algorithms, 2015, 8, 1143-1174.	2.1	1
54	A decision support framework for security resource allocation under ambiguity. International Journal of Intelligent Systems, 2021, 36, 5-52.	5.7	1

#	ARTICLE	IF	CITATIONS
55	Fusion of Static and Temporal Information for Threat Evaluation in Sensor Networks. Lecture Notes in Computer Science, 2015, , 66-77.	1.3	1
56	Modelling and Reasoning with Uncertain Event-observations for Event Inference. , 2017, , .		1
57	ECSQURA'93: 2nd European Conference on Symbolic and Quantitative Approaches to Reasoning and Uncertainty. AI Communications, 1994, 7, 222-223.	1.2	0
58	A ligand predication tool based on modeling and reasoning with imprecise probabilistic knowledge. Computer Methods and Programs in Biomedicine, 2010, 98, 45-54.	4.7	0
59	Measuring Inconsistency in Network Intrusion Rules. , 2011, , .		0
60	A principled discussion of information combination rules in different representation settings. , 2011, , .		0
61	Contextual merging of uncertain information for better informed plan selection in BDI systems. , 2015, , .		0
62	An Approach to Generating Proposals for Handling Inconsistent Software Requirements. Lecture Notes in Computer Science, 2011, , 32-43.	1.3	0
63	Rational Partial Choice Functions and Their Application to Belief Revision. Lecture Notes in Computer Science, 2015, , 128-140.	1.3	0