

Yu-wang Chen

List of Publications by Year in descending order

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85
papers

2,116
citations

218381

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all docs

87
docs citations

87
times ranked

1204
citing authors

#	ARTICLE	IF	CITATIONS
1	Transparent Digital Twin for Output Control Using Belief Rule Base. IEEE Transactions on Cybernetics, 2022, 52, 10364-10378.	6.2	60
2	Cooperative and Distributed Multiobjective Optimization for Heterogeneous Belief Rule Base. IEEE Systems Journal, 2022, 16, 777-788.	2.9	2
3	A multi-criteria decision model based on the evidential reasoning approach for the selection of fulcrum ports supporting Arctic shipping through the Northeast Passage. Maritime Policy and Management, 2022, 49, 214-235.	1.9	2
4	A Generalized Belief Entropy With Nonspecificity and Structural Conflict. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 5532-5545.	5.9	22
5	Towards achieving consistent opinion fusion in group decision making with complete distributed preference relations. Knowledge-Based Systems, 2022, 236, 107740.	4.0	19
6	Consensus Reaching Process for Group Decision Making with Distributed Preference Relations Under Fuzzy Uncertainty. International Journal of Fuzzy Systems, 2022, 24, 2363-2381.	2.3	2
7	BRB Prediction With Customized Attributes Weights and Tradeoff Analysis for Concurrent Fault Diagnosis. IEEE Systems Journal, 2021, 15, 1179-1190.	2.9	14
8	Towards understanding socially influenced vaccination decision making: An integrated model of multiple criteria belief modelling and social network analysis. European Journal of Operational Research, 2021, 293, 276-289.	3.5	41
9	Visualising internal migration flows across local authorities in England and Wales. Environment and Planning A, 2021, 53, 616-618.	2.1	6
10	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
11	Ensemble Belief Rule-Based Model for complex system classification and prediction. Expert Systems With Applications, 2021, 164, 113952.	4.4	18
12	A Novel Ship Collision Avoidance Awareness Approach for Cooperating Ships Using Multi-Agent Deep Reinforcement Learning. Journal of Marine Science and Engineering, 2021, 9, 1056.	1.2	16
13	Efficient federated convolutional neural network with information fusion for rolling bearing fault diagnosis. Control Engineering Practice, 2021, 116, 104913.	3.2	36
14	Assignment of attribute weights with belief distributions for MADM under uncertainties. Knowledge-Based Systems, 2020, 189, 105110.	4.0	78
15	Deviation warnings of ferries based on artificial potential field and historical data. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 2020, 234, 712-727.	0.3	1
16	Weight assignment method for multiple attribute decision making with dissimilarity and conflict of belief distributions. Computers and Industrial Engineering, 2020, 147, 106648.	3.4	19
17	A Consensus Model for Intuitionistic Fuzzy Group Decision-Making Problems Based on the Construction and Propagation of Trust/Distrust Relationships in Social Networks. International Journal of Fuzzy Systems, 2020, 22, 2664-2679.	2.3	18
18	The single-period (newsvendor) problem under interval grade uncertainties. European Journal of Operational Research, 2019, 273, 198-216.	3.5	10

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19	Voluntary Vaccination through Perceiving Epidemic Severity in Social Networks. Complexity, 2019, 2019, 1-13.	0.9	1
20	The dependence structure between crude oil futures prices and Chinese agricultural commodity futures prices: Measurement based on Markov-switching GRG copula. Energy, 2019, 182, 999-1012.	4.5	38
21	Topological Analysis on the Belief Rule Base Space. IEEE Access, 2019, 7, 857-865.	2.6	0
22	Dynamic Optimization of Data Packet-based Communication for PLC Visual Monitoring. Applied Sciences (Switzerland), 2019, 9, 1721.	1.3	3
23	Research and development project risk assessment using a belief rule-based system with random subspaces. Knowledge-Based Systems, 2019, 178, 51-60.	4.0	21
24	Indirect disjunctive belief rule base modeling using limited conjunctive rules: Two possible means. International Journal of Approximate Reasoning, 2019, 108, 1-20.	1.9	16
25	Generic Disjunctive Belief-Rule-Base Modeling, Inferencing, and Optimization. IEEE Transactions on Fuzzy Systems, 2019, 27, 1866-1880.	6.5	44
26	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
27	Disjunctive belief rule base spreading for threat level assessment with heterogeneous, insufficient, and missing information. Information Sciences, 2019, 476, 106-131.	4.0	9
28	Evidential reasoning approach with multiple kinds of attributes and entropy-based weight assignment. Knowledge-Based Systems, 2019, 163, 358-375.	4.0	112
29	Target recognition for coastal surveillance based on radar images and generalised Bayesian inference. IET Intelligent Transport Systems, 2018, 12, 103-112.	1.7	5
30	Performance analysis of single EWMA controller subject to metrology delay under dynamic models. IISE Transactions, 2018, 50, 88-98.	1.6	3
31	Belief Rule Base Structure and Parameter Joint Optimization Under Disjunctive Assumption for Nonlinear Complex System Modeling. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1542-1554.	5.9	51
32	Evidential reasoning rule for MADM with both weights and reliabilities in group decision making. Knowledge-Based Systems, 2018, 143, 142-161.	4.0	115
33	An evidential reasoning-based decision support system for handling customer complaints in mobile telecommunications. Knowledge-Based Systems, 2018, 162, 202-210.	4.0	38
34	Data-driven segmentation of consumers' purchase behaviour in the retail industry. , 2018, , .		3
35	Akaike Information Criterion-based conjunctive belief rule base learning for complex system modeling. Knowledge-Based Systems, 2018, 161, 47-64.	4.0	28
36	New product development using disjunctive belief rule base. , 2018, , .		0

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37	Social influenced decision making: A belief-based model analysis. , 2018, , .		0
38	A belief rule-based inference model for prediction of R&D project success. , 2018, , .		0
39	Evaluation, ranking and selection of R&D projects by multiple experts: an evidential reasoning rule based approach. <i>Scientometrics</i> , 2017, 111, 1501-1519.	1.6	18
40	A TODIM-based multi-criteria group decision making with triangular intuitionistic fuzzy numbers. <i>Applied Soft Computing Journal</i> , 2017, 55, 93-107.	4.1	139
41	Performance Analysis of Double EWMA Controller Under Dynamic Models With Drift. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2017, 7, 806-814.	1.4	8
42	Exploring Voluntary Vaccinating Behaviors using Evolutionary N-person Threshold Games. <i>Scientific Reports</i> , 2017, 7, 16355.	1.6	6
43	Data classification using evidence reasoning rule. <i>Knowledge-Based Systems</i> , 2017, 116, 144-151.	4.0	166
44	A Hierarchal Risk Assessment Model Using the Evidential Reasoning Rule. <i>Systems</i> , 2017, 5, 9.	1.2	3
45	Interval-valued Evidence Updating with Reliability and Sensitivity Analysis for Fault Diagnosis. <i>International Journal of Computational Intelligence Systems</i> , 2016, 9, 396.	1.6	22
46	A novel approach of collision assessment for coastal radar surveillance. <i>Reliability Engineering and System Safety</i> , 2016, 155, 179-195.	5.1	10
47	A novel marine radar targets extraction approach based on sequential images and Bayesian Network. <i>Ocean Engineering</i> , 2016, 120, 64-77.	1.9	26
48	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.	4.4	27
49	A belief rule based expert system for predicting consumer preference in new product development. <i>Knowledge-Based Systems</i> , 2016, 94, 105-113.	4.0	55
50	An Interpretability-Accuracy Tradeoff in Learning Parameters of Intuitionistic Fuzzy Rule-Based Systems. <i>Journal of Advanced Computational Intelligence and Intelligent Informatics</i> , 2016, 20, 773-787.	0.5	0
51	Circuit Tolerance Design Using Belief Rule Base. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-12.	0.6	6
52	Estimation of uncertain unscheduled activities in aircraft maintenance using ER Rule. , 2015, , .		1
53	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.	1.6	25
54	Hidden Behavior Prediction of Complex Systems Under Testing Influence Based on Semiquantitative Information and Belief Rule Base. <i>IEEE Transactions on Fuzzy Systems</i> , 2015, 23, 2371-2386.	6.5	46

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55	Current state of trauma care in China, tools to predict death and ICU admission after arrival to hospital. <i>Injury</i> , 2015, 46, 1784-1789.	0.7	9
56	A data-driven approximate causal inference model using the evidential reasoning rule. <i>Knowledge-Based Systems</i> , 2015, 88, 264-272.	4.0	48
57	The Evidential Reasoning Approach to Medical Diagnosis using Intuitionistic Fuzzy Dempster-Shafer Theory. <i>International Journal of Computational Intelligence Systems</i> , 2015, 8, 75-94.	1.6	12
58	Identification of uncertain nonlinear systems: Constructing belief rule-based models. <i>Knowledge-Based Systems</i> , 2015, 73, 124-133.	4.0	41
59	The Evidential Reasoning Approach to Medical Diagnosis using Intuitionistic Fuzzy Dempster-Shafer Theory. <i>International Journal of Computational Intelligence Systems</i> , 2015, 8, 75.	1.6	13
60	Construction of a new BRB based model for time series forecasting. <i>Applied Soft Computing Journal</i> , 2013, 13, 4548-4556.	4.1	8
61	Hidden Behavior Prediction of Complex Systems Based on Hybrid Information. <i>IEEE Transactions on Cybernetics</i> , 2013, 43, 402-411.	6.2	35
62	A model induced max-min ant colony optimization for asymmetric traveling salesman problem. <i>Applied Soft Computing Journal</i> , 2013, 13, 1365-1375.	4.1	50
63	On the inference and approximation properties of belief rule based systems. <i>Information Sciences</i> , 2013, 234, 121-135.	4.0	66
64	Generic Expert System and Its Application in Knowledge Modelling and Inference. , 2013, , .		2
65	An Evaluation of Website Upgrade Options: A Case Study Comparison of ANFIS and RIMER. , 2013, , .		1
66	A Genetic Algorithm Search Heuristic for Belief Rule-Based Model-Structure Validation. , 2013, , .		5
67	Uncertain Nonlinear System Modeling and Identification Using Belief Rule-Based Systems. <i>Lecture Notes in Computer Science</i> , 2013, , 209-218.	1.0	2
68	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.	0.1	0
69	Toward understanding the optimization of complex systems. <i>Artificial Intelligence Review</i> , 2012, 38, 313-324.	9.7	4
70	Belief rule-based system for portfolio optimisation with nonlinear cash-flows and constraints. <i>European Journal of Operational Research</i> , 2012, 223, 775-784.	3.5	14
71	Development of hybrid evolutionary algorithms for production scheduling of hot strip mill. <i>Computers and Operations Research</i> , 2012, 39, 339-349.	2.4	32
72	Improved extremal optimization for the asymmetric traveling salesman problem. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 4459-4465.	1.2	14

#	ARTICLE	IF	CITATIONS
73	TOPSIS with fuzzy belief structure for group belief multiple criteria decision making. Expert Systems With Applications, 2011, 38, 9400-9406.	4.4	50
74	Inference analysis and adaptive training for belief rule based systems. Expert Systems With Applications, 2011, 38, 12845-12860.	4.4	84
75	Self-organized combinatorial optimization. Expert Systems With Applications, 2011, 38, 10532-10540.	4.4	9
76	TOPSIS with belief structure for group belief multiple criteria decision making. International Journal of Automation and Computing, 2010, 7, 359-364.	4.5	23
77	Extremal Optimization Combined with LM Gradient Search for MLP Network Learning. International Journal of Computational Intelligence Systems, 2010, 3, 622-631.	1.6	6
78	Extremal Optimization Combined with LM Gradient Search for MLP Network Learning. International Journal of Computational Intelligence Systems, 2010, 3, 622.	1.6	5
79	Hybrid evolutionary algorithm with marriage of genetic algorithm and extremal optimization for production scheduling. International Journal of Advanced Manufacturing Technology, 2008, 36, 959-968.	1.5	65
80	Hybrid Scatter Search with Extremal Optimization for Solving the Capacitated Vehicle Routing Problem. Lecture Notes in Computer Science, 2008, , 251-258.	1.0	1
81	Studies on Extremal Optimization and Its Applications in Solving RealWorld Optimization Problems. , 2007, , .		23
82	Optimization with extremal dynamics for the traveling salesman problem. Physica A: Statistical Mechanics and Its Applications, 2007, 385, 115-123.	1.2	45
83	Gene Optimization: Computational Intelligence from the Natures and Micro-mechanisms of Hard Computational Systems. Lecture Notes in Computer Science, 2007, , 182-190.	1.0	2
84	Multi-Asset Class Portfolio Optimisation Using a Belief Rule-Based System. SSRN Electronic Journal, 0, , .	0.4	0
85	Multi-Asset Class Portfolio Optimisation Using a Belief Rule-Based System. SSRN Electronic Journal, 0, , .	0.4	0