

Yu-wang Chen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3356683/publications.pdf>

Version: 2024-02-01

85
papers

2,116
citations

218381

26
h-index

243296

44
g-index

87
all docs

87
docs citations

87
times ranked

1204
citing authors

#	ARTICLE	IF	CITATIONS
1	Data classification using evidence reasoning rule. Knowledge-Based Systems, 2017, 116, 144-151.	4.0	166
2	A TODIM-based multi-criteria group decision making with triangular intuitionistic fuzzy numbers. Applied Soft Computing Journal, 2017, 55, 93-107.	4.1	139
3	Evidential reasoning rule for MADM with both weights and reliabilities in group decision making. Knowledge-Based Systems, 2018, 143, 142-161.	4.0	115
4	Evidential reasoning approach with multiple kinds of attributes and entropy-based weight assignment. Knowledge-Based Systems, 2019, 163, 358-375.	4.0	112
5	Inference analysis and adaptive training for belief rule based systems. Expert Systems With Applications, 2011, 38, 12845-12860.	4.4	84
6	Assignment of attribute weights with belief distributions for MADM under uncertainties. Knowledge-Based Systems, 2020, 189, 105110.	4.0	78
7	On the inference and approximation properties of belief rule based systems. Information Sciences, 2013, 234, 121-135.	4.0	66
8	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
9	Transparent Digital Twin for Output Control Using Belief Rule Base. IEEE Transactions on Cybernetics, 2022, 52, 10364-10378.	6.2	60
10	A belief rule based expert system for predicting consumer preference in new product development. Knowledge-Based Systems, 2016, 94, 105-113.	4.0	55
11	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
12	TOPSIS with fuzzy belief structure for group belief multiple criteria decision making. Expert Systems With Applications, 2011, 38, 9400-9406.	4.4	50
13	A model induced max-min ant colony optimization for asymmetric traveling salesman problem. Applied Soft Computing Journal, 2013, 13, 1365-1375.	4.1	50
14	A data-driven approximate causal inference model using the evidential reasoning rule. Knowledge-Based Systems, 2015, 88, 264-272.	4.0	48
15	Hidden Behavior Prediction of Complex Systems Under Testing Influence Based on Semiquantitative Information and Belief Rule Base. IEEE Transactions on Fuzzy Systems, 2015, 23, 2371-2386.	6.5	46
16	Optimization with extremal dynamics for the traveling salesman problem. Physica A: Statistical Mechanics and Its Applications, 2007, 385, 115-123.	1.2	45
17	Generic Disjunctive Belief-Rule-Base Modeling, Inferencing, and Optimization. IEEE Transactions on Fuzzy Systems, 2019, 27, 1866-1880.	6.5	44
18	Identification of uncertain nonlinear systems: Constructing belief rule-based models. Knowledge-Based Systems, 2015, 73, 124-133.	4.0	41

#	ARTICLE	IF	CITATIONS
19	Towards understanding socially influenced vaccination decision making: An integrated model of multiple criteria belief modelling and social network analysis. <i>European Journal of Operational Research</i> , 2021, 293, 276-289.	3.5	41
20	An evidential reasoning-based decision support system for handling customer complaints in mobile telecommunications. <i>Knowledge-Based Systems</i> , 2018, 162, 202-210.	4.0	38
21	The dependence structure between crude oil futures prices and Chinese agricultural commodity futures prices: Measurement based on Markov-switching GRC copula. <i>Energy</i> , 2019, 182, 999-1012.	4.5	38
22	Efficient federated convolutional neural network with information fusion for rolling bearing fault diagnosis. <i>Control Engineering Practice</i> , 2021, 116, 104913.	3.2	36
23	Hidden Behavior Prediction of Complex Systems Based on Hybrid Information. <i>IEEE Transactions on Cybernetics</i> , 2013, 43, 402-411.	6.2	35
24	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.	2.7	33
25	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
26	Akaike Information Criterion-based conjunctive belief rule base learning for complex system modeling. <i>Knowledge-Based Systems</i> , 2018, 161, 47-64.	4.0	28
27	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
28	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
29	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
30	Studies on Extremal Optimization and Its Applications in Solving RealWorld Optimization Problems. , 2007, , .		23
31	TOPSIS with belief structure for group belief multiple criteria decision making. <i>International Journal of Automation and Computing</i> , 2010, 7, 359-364.	4.5	23
32	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
33	A Generalized Belief Entropy With Nonspecificity and Structural Conflict. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 5532-5545.	5.9	22
34	Research and development project risk assessment using a belief rule-based system with random subspaces. <i>Knowledge-Based Systems</i> , 2019, 178, 51-60.	4.0	21
35	Weight assignment method for multiple attribute decision making with dissimilarity and conflict of belief distributions. <i>Computers and Industrial Engineering</i> , 2020, 147, 106648.	3.4	19
36	Towards achieving consistent opinion fusion in group decision making with complete distributed preference relations. <i>Knowledge-Based Systems</i> , 2022, 236, 107740.	4.0	19

#	ARTICLE	IF	CITATIONS
37	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
38	A Consensus Model for Intuitionistic Fuzzy Group Decision-Making Problems Based on the Construction and Propagation of Trust/Distrust Relationships in Social Networks. <i>International Journal of Fuzzy Systems</i> , 2020, 22, 2664-2679.	2.3	18
39	Ensemble Belief Rule-Based Model for complex system classification and prediction. <i>Expert Systems With Applications</i> , 2021, 164, 113952.	4.4	18
40	Indirect disjunctive belief rule base modeling using limited conjunctive rules: Two possible means. <i>International Journal of Approximate Reasoning</i> , 2019, 108, 1-20.	1.9	16
41	A Novel Ship Collision Avoidance Awareness Approach for Cooperating Ships Using Multi-Agent Deep Reinforcement Learning. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 1056.	1.2	16
42	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
43	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
44	BRB Prediction With Customized Attributes Weights and Tradeoff Analysis for Concurrent Fault Diagnosis. <i>IEEE Systems Journal</i> , 2021, 15, 1179-1190.	2.9	14
45	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
46	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
47	A novel approach of collision assessment for coastal radar surveillance. <i>Reliability Engineering and System Safety</i> , 2016, 155, 179-195.	5.1	10
48	The single-period (newsvendor) problem under interval grade uncertainties. <i>European Journal of Operational Research</i> , 2019, 273, 198-216.	3.5	10
49	Self-organized combinatorial optimization. <i>Expert Systems With Applications</i> , 2011, 38, 10532-10540.	4.4	9
50	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
51	Disjunctive belief rule base spreading for threat level assessment with heterogeneous, insufficient, and missing information. <i>Information Sciences</i> , 2019, 476, 106-131.	4.0	9
52	Construction of a new BRB based model for time series forecasting. <i>Applied Soft Computing Journal</i> , 2013, 13, 4548-4556.	4.1	8
53	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
54	Extremal Optimization Combined with LM Gradient Search for MLP Network Learning. <i>International Journal of Computational Intelligence Systems</i> , 2010, 3, 622-631.	1.6	6

#	ARTICLE	IF	CITATIONS
55	Circuit Tolerance Design Using Belief Rule Base. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-12.	0.6	6
56	Exploring Voluntary Vaccinating Behaviors using Evolutionary N-person Threshold Games. <i>Scientific Reports</i> , 2017, 7, 16355.	1.6	6
57	Visualising internal migration flows across local authorities in England and Wales. <i>Environment and Planning A</i> , 2021, 53, 616-618.	2.1	6
58	A Genetic Algorithm Search Heuristic for Belief Rule-Based Model-Structure Validation. , 2013, , .		5
59	Target recognition for coastal surveillance based on radar images and generalised Bayesian inference. <i>IET Intelligent Transport Systems</i> , 2018, 12, 103-112.	1.7	5
60	Extremal Optimization Combined with LM Gradient Search for MLP Network Learning. <i>International Journal of Computational Intelligence Systems</i> , 2010, 3, 622.	1.6	5
61	Toward understanding the optimization of complex systems. <i>Artificial Intelligence Review</i> , 2012, 38, 313-324.	9.7	4
62	A Hierarchal Risk Assessment Model Using the Evidential Reasoning Rule. <i>Systems</i> , 2017, 5, 9.	1.2	3
63	Performance analysis of single EWMA controller subject to metrology delay under dynamic models. <i>IIEE Transactions</i> , 2018, 50, 88-98.	1.6	3
64	Data-driven segmentation of consumers' purchase behaviour in the retail industry. , 2018, , .		3
65	Dynamic Optimization of Data Packet-based Communication for PLC Visual Monitoring. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1721.	1.3	3
66	Generic Expert System and Its Application in Knowledge Modelling and Inference. , 2013, , .		2
67	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.	2.1	2
68	Cooperative and Distributed Multiobjective Optimization for Heterogeneous Belief Rule Base. <i>IEEE Systems Journal</i> , 2022, 16, 777-788.	2.9	2
69	Gene Optimization: Computational Intelligence from the Natures and Micro-mechanisms of Hard Computational Systems. <i>Lecture Notes in Computer Science</i> , 2007, , 182-190.	1.0	2
70	Uncertain Nonlinear System Modeling and Identification Using Belief Rule-Based Systems. <i>Lecture Notes in Computer Science</i> , 2013, , 209-218.	1.0	2
71	A multi-criteria decision model based on the evidential reasoning approach for the selection of fulcrum ports supporting Arctic shipping through the Northeast Passage. <i>Maritime Policy and Management</i> , 2022, 49, 214-235.	1.9	2
72	Consensus Reaching Process for Group Decision Making with Distributed Preference Relations Under Fuzzy Uncertainty. <i>International Journal of Fuzzy Systems</i> , 2022, 24, 2363-2381.	2.3	2

#	ARTICLE	IF	CITATIONS
73	An Evaluation of Website Upgrade Options: A Case Study Comparison of ANFIS and RIMER. , 2013, , .		1
74	Estimation of uncertain unscheduled activities in aircraft maintenance using ER Rule. , 2015, , .		1
75	Voluntary Vaccination through Perceiving Epidemic Severity in Social Networks. Complexity, 2019, 2019, 1-13.	0.9	1
76	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
77	Hybrid Scatter Search with Extremal Optimization for Solving the Capacitated Vehicle Routing Problem. Lecture Notes in Computer Science, 2008, , 251-258.	1.0	1
78	INTERVAL IDENTIFICATION OF UNCERTAIN NONLINEAR SYSTEMS USING BELIEF RULE-BASED SYSTEMS. World Scientific Proceedings Series on Computer Engineering and Information Science, 2012, , 762-768.	0.1	0
79	Topological Analysis on the Belief Rule Base Space. IEEE Access, 2019, 7, 857-865.	2.6	0
80	Multi-Asset Class Portfolio Optimisation Using a Belief Rule-Based System. SSRN Electronic Journal, 0, , .	0.4	0
81	Multi-Asset Class Portfolio Optimisation Using a Belief Rule-Based System. SSRN Electronic Journal, 0, , .	0.4	0
82	An Interpretability-Accuracy Tradeoff in Learning Parameters of Intuitionistic Fuzzy Rule-Based Systems. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2016, 20, 773-787.	0.5	0
83	New product development using disjunctive belief rule base. , 2018, , .		0
84	Social influenced decision making: A belief-based model analysis. , 2018, , .		0
85	A belief rule-based inference model for prediction of R&D project success. , 2018, , .		0