

Chang-Hua Hu

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

4,402
citations

201575

27
h-index

289141

40
g-index

40
all docs

40
docs citations

40
times ranked

2354
citing authors

#	ARTICLE	IF	CITATIONS
1	Remaining useful life estimation – A review on the statistical data driven approaches. European Journal of Operational Research, 2011, 213, 1-14.	3.5	1,615
2	Remaining Useful Life Estimation Based on a Nonlinear Diffusion Degradation Process. IEEE Transactions on Reliability, 2012, 61, 50-67.	3.5	460
3	Degradation data analysis and remaining useful life estimation: A review on Wiener-process-based methods. European Journal of Operational Research, 2018, 271, 775-796.	3.5	394
4	A Wiener-process-based degradation model with a recursive filter algorithm for remaining useful life estimation. Mechanical Systems and Signal Processing, 2013, 35, 219-237.	4.4	362
5	A degradation path-dependent approach for remaining useful life estimation with an exact and closed-form solution. European Journal of Operational Research, 2013, 226, 53-66.	3.5	215
6	A new safety assessment model for complex system based on the conditional generalized minimum variance and the belief rule base. Safety Science, 2017, 93, 108-120.	2.6	93
7	A New Evidential Reasoning-Based Method for Online Safety Assessment of Complex Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 954-966.	5.9	79
8	A Survey of Belief Rule-Base Expert System. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 4944-4958.	5.9	78
9	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
10	A New Belief Rule Base Model With Attribute Reliability. IEEE Transactions on Fuzzy Systems, 2019, 27, 903-916.	6.5	77
11	A New BRB-ER-Based Model for Assessing the Lives of Products Using Both Failure Data and Expert Knowledge. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 1529-1543.	5.9	76
12	A Novel Lifetime Estimation Method for Two-Phase Degrading Systems. IEEE Transactions on Reliability, 2019, 68, 689-709.	3.5	67
13	A sequential learning algorithm for online constructing belief-rule-based systems. Expert Systems With Applications, 2010, 37, 1790-1799.	4.4	65
14	A Model for Hidden Behavior Prediction of Complex Systems Based on Belief Rule Base and Power Set. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1649-1655.	5.9	59
15	On the Interpretability of Belief Rule-Based Expert Systems. IEEE Transactions on Fuzzy Systems, 2021, 29, 3489-3503.	6.5	57
16	A Nonlinear Prognostic Model for Degrading Systems With Three-Source Variability. IEEE Transactions on Reliability, 2016, 65, 736-750.	3.5	52
17	A New Prediction Model Based on Belief Rule Base for System's Behavior Prediction. IEEE Transactions on Fuzzy Systems, 2011, 19, 636-651.	6.5	50
18	New model for system behavior prediction based on belief rule based systems. Information Sciences, 2010, 180, 4834-4864.	4.0	49

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Perturbation Analysis of Evidential Reasoning Rule. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 4895-4910.	5.9	43
22	A New Safety Assessment Method Based on Belief Rule Base With Attribute Reliability. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 1774-1785.	8.5	42
23	Hidden Behavior Prediction of Complex Systems Based on Hybrid Information. IEEE Transactions on Cybernetics, 2013, 43, 402-411.	6.2	35
24	A New Evidential Reasoning Rule-Based Safety Assessment Method With Sensor Reliability for Complex Systems. IEEE Transactions on Cybernetics, 2022, 52, 4027-4038.	6.2	33
25	Lifetime prognostics for deteriorating systems with time-varying random jumps. Reliability Engineering and System Safety, 2017, 167, 338-350.	5.1	30
26	Aeronautical relay health state assessment model based on belief rule base with attribute reliability. Knowledge-Based Systems, 2020, 197, 105869.	4.0	29
27	Prognostics for Linear Stochastic Degrading Systems With Survival Measurements. IEEE Transactions on Industrial Electronics, 2020, 67, 3202-3215.	5.2	27
28	A safety assessment model based on belief rule base with new optimization method. Reliability Engineering and System Safety, 2020, 203, 107055.	5.1	23
29	Prognostics Based on Stochastic Degradation Process: The Last Exit Time Perspective. IEEE Transactions on Reliability, 2021, 70, 1158-1176.	3.5	19
30	Fault Diagnosis Based on Belief Rule Base With Considering Attribute Correlation. IEEE Access, 2018, 6, 2055-2067.	2.6	18
31	A New Evidential Reasoning Rule With Continuous Probability Distribution of Reliability. IEEE Transactions on Cybernetics, 2022, 52, 8088-8100.	6.2	16
32	Performance evaluation of complex systems using evidential reasoning approach with uncertain parameters. Chinese Journal of Aeronautics, 2021, 34, 194-208.	2.8	15
33	Hidden behavior prediction of complex system based on time-delay belief rule base forecasting model. Knowledge-Based Systems, 2020, 203, 106147.	4.0	12
34	An Evidential Reasoning Rule Considering Parameter Uncertainty. IEEE Transactions on Aerospace and Electronic Systems, 2022, 58, 1391-1404.	2.6	10
35	Bayesian Deep-Learning-Based Prognostic Model for Equipment Without Label Data Related to Lifetime. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2023, 53, 504-517.	5.9	10
36	Performance evaluation of aerospace relay based on evidential reasoning rule with distributed referential points. Measurement: Journal of the International Measurement Confederation, 2021, 182, 109667.	2.5	9

#	ARTICLE	IF	CITATIONS
37	A joint order-replacement policy for deteriorating components with reliability constraint. Science China Information Sciences, 2021, 64, 1.	2.7	6
38	An Adaptive Prognostic Approach for Partially Observable Degrading Products With Random Shocks. IEEE Sensors Journal, 2021, 21, 17926-17946.	2.4	5
39	Robust Adaptive Fuzzy Tracking Control for Uncertain MIMO Nonlinear Nonminimum Phase System. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 2017-2028.	5.9	4
40	A new hidden behavior prediction model of complex systems under perturbations. Knowledge-Based Systems, 2022, 250, 109160.	4.0	2