Chang-Hua Hu

List of Publications by Year
in descending order

29 papers	3,656 citations	471509 17 h-index	501196 28 g-index
29 all docs	29 docs citations	29 times ranked	2300 citing authors

#	ARTICLE	IF	CITATIONS
1	An Age-Dependent and State-Dependent Adaptive Prognostic Approach for Hidden Nonlinear Degrading System. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 907-921.	13.1	5
2	Prognostics based on the generalized diffusion process with parameters updated by a sequential Bayesian method. Science China Information Sciences, 2022, 65, .	4.3	2
3	An adaptive prognostics method for fusing CDBN and diffusion process: Application to bearing data. Neurocomputing, 2021, 421, 303-315.	5.9	23
4	An Adaptive Prognostic Approach for Partially Observable Degrading Products With Random Shocks. IEEE Sensors Journal, 2021, 21, 17926-17946.	4.7	5
5	Joint optimization of preventive maintenance and inventory management for standby systems with hybrid-deteriorating spare parts. Reliability Engineering and System Safety, 2021, 214, 107686.	8.9	24
6	Online remaining-useful-life estimation with a Bayesian-updated expectation-conditional-maximization algorithm and a modified Bayesian-model-averaging method. Science China Information Sciences, 2021, 64, 1.	4.3	4
7	A novel iterative approach of lifetime estimation for standby systems with deteriorating spare parts. Reliability Engineering and System Safety, 2020, 201, 106960.	8.9	10
8	Averaged Bi-LSTM networks for RUL prognostics with non-life-cycle labeled dataset. Neurocomputing, 2020, 402, 134-147.	5.9	51
9	A Novel Lifetime Estimation Method for Two-Phase Degrading Systems. IEEE Transactions on Reliability, 2019, 68, 689-709.	4.6	67
10	A Deep Neural Network Based on an Attention Mechanism for SAR Ship Detection in Multiscale and Complex Scenarios. IEEE Access, 2019, 7, 104848-104863.	4.2	75
11	An Adaptive Remaining Useful Life Estimation Approach for Newly Developed System Based on Nonlinear Degradation Model. IEEE Access, 2019, 7, 82162-82173.	4.2	21
12	An Adaptive Prognostic Approach for Newly Developed System With Three-Source Variability. IEEE Access, 2019, 7, 53091-53102.	4.2	13
13	Lifetime Estimation for Multi-Phase Deteriorating Process with Random Abrupt Jumps. Sensors, 2019, 19, 1472.	3.8	12
14	Remaining Useful Life Prediction for Nonlinear Degraded Equipment With Bivariate Time Scales. IEEE Access, 2019, 7, 165166-165180.	4.2	9
15	MSARN: A Deep Neural Network Based on an Adaptive Recalibration Mechanism for Multiscale and Arbitrary-Oriented SAR Ship Detection. IEEE Access, 2019, 7, 159262-159283.	4.2	47
16	Degradation data analysis and remaining useful life estimation: A review on Wiener-process-based methods. European Journal of Operational Research, 2018, 271, 775-796.	5.7	394
17	Data-Driven Fault Detection of Electrical Machine. , 2018, , .		2
18	Estimating Remaining Useful Life for Degrading Systems with Large Fluctuations. Journal of Control Science and Engineering, 2018, 2018, 1-11.	1.0	1

#	Article	IF	Citations
19	Stochastic degradation process modeling and remaining useful life estimation with flexible random-effects. Journal of the Franklin Institute, 2017, 354, 2477-2499.	3.4	22
20	Data-Driven Inter-Turn Short Circuit Fault Detection in Induction Machines. IEEE Access, 2017, 5, 25055-25068.	4.2	40
21	Degradation Data-Driven Remaining Useful Life Estimation in the Absence of Prior Degradation Knowledge. Journal of Control Science and Engineering, 2017, 2017, 1-11.	1.0	9
22	Planning Repeated Degradation Testing for Products With Three-Source Variability. IEEE Transactions on Reliability, 2016, 65, 640-647.	4.6	14
23	A Nonlinear Prognostic Model for Degrading Systems With Three-Source Variability. IEEE Transactions on Reliability, 2016, 65, 736-750.	4.6	52
24	A survey on life prediction of equipment. Chinese Journal of Aeronautics, 2015, 28, 25-33.	5.3	29
25	An Additive Wiener Process-Based Prognostic Model for Hybrid Deteriorating Systems. IEEE Transactions on Reliability, 2014, 63, 208-222.	4.6	73
26	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.	8.0	362
27	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.	5.7	215
28	Remaining Useful Life Estimation Based on a Nonlinear Diffusion Degradation Process. IEEE Transactions on Reliability, 2012, 61, 50-67.	4.6	460
29	Remaining useful life estimation â€" A review on the statistical data driven approaches. European Journal of Operational Research, 2011, 213, 1-14.	5.7	1,615