Chang-Hua Hu

List of Publications by Year
in descending order

29	3,656	471061	500791
papers	citations	17	28
		h-index	g-index

29	29	29	2300
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Remaining useful life estimation â€" 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 Deep Neural Network Based on an Attention Mechanism for SAR Ship Detection in Multiscale and Complex Scenarios. IEEE Access, 2019, 7, 104848-104863.	2.6	75
7	An Additive Wiener Process-Based Prognostic Model for Hybrid Deteriorating Systems. IEEE Transactions on Reliability, 2014, 63, 208-222.	3.5	73
8	A Novel Lifetime Estimation Method for Two-Phase Degrading Systems. IEEE Transactions on Reliability, 2019, 68, 689-709.	3.5	67
9	A Nonlinear Prognostic Model for Degrading Systems With Three-Source Variability. IEEE Transactions on Reliability, 2016, 65, 736-750.	3.5	52
10	Averaged Bi-LSTM networks for RUL prognostics with non-life-cycle labeled dataset. Neurocomputing, 2020, 402, 134-147.	3.5	51
11	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.	2.6	47
12	Data-Driven Inter-Turn Short Circuit Fault Detection in Induction Machines. IEEE Access, 2017, 5, 25055-25068.	2.6	40
13	A survey on life prediction of equipment. Chinese Journal of Aeronautics, 2015, 28, 25-33.	2.8	29
14	Joint optimization of preventive maintenance and inventory management for standby systems with hybrid-deteriorating spare parts. Reliability Engineering and System Safety, 2021, 214, 107686.	5.1	24
15	An adaptive prognostics method for fusing CDBN and diffusion process: Application to bearing data. Neurocomputing, 2021, 421, 303-315.	3.5	23
16	Stochastic degradation process modeling and remaining useful life estimation with flexible random-effects. Journal of the Franklin Institute, 2017, 354, 2477-2499.	1.9	22
17	An Adaptive Remaining Useful Life Estimation Approach for Newly Developed System Based on Nonlinear Degradation Model. IEEE Access, 2019, 7, 82162-82173.	2.6	21
18	Planning Repeated Degradation Testing for Products With Three-Source Variability. IEEE Transactions on Reliability, 2016, 65, 640-647.	3.5	14

#	Article	IF	Citations
19	An Adaptive Prognostic Approach for Newly Developed System With Three-Source Variability. IEEE Access, 2019, 7, 53091-53102.	2.6	13
20	Lifetime Estimation for Multi-Phase Deteriorating Process with Random Abrupt Jumps. Sensors, 2019, 19, 1472.	2.1	12
21	A novel iterative approach of lifetime estimation for standby systems with deteriorating spare parts. Reliability Engineering and System Safety, 2020, 201, 106960.	5.1	10
22	Degradation Data-Driven Remaining Useful Life Estimation in the Absence of Prior Degradation Knowledge. Journal of Control Science and Engineering, 2017, 2017, 1-11.	0.8	9
23	Remaining Useful Life Prediction for Nonlinear Degraded Equipment With Bivariate Time Scales. IEEE Access, 2019, 7, 165166-165180.	2.6	9
24	An Age-Dependent and State-Dependent Adaptive Prognostic Approach for Hidden Nonlinear Degrading System. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 907-921.	8.5	5
25	An Adaptive Prognostic Approach for Partially Observable Degrading Products With Random Shocks. IEEE Sensors Journal, 2021, 21, 17926-17946.	2.4	5
26	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.	2.7	4
27	Data-Driven Fault Detection of Electrical Machine. , 2018, , .		2
28	Prognostics based on the generalized diffusion process with parameters updated by a sequential Bayesian method. Science China Information Sciences, 2022, 65, .	2.7	2
29	Estimating Remaining Useful Life for Degrading Systems with Large Fluctuations. Journal of Control Science and Engineering, 2018, 2018, 1-11.	0.8	1