Jing Lin

List of Publications by Citations

38 papers	4,029 citations	19 h-index	48 g-index
48 ext. papers	5,147 ext. citations	5.1 avg, IF	6 L-index

#	Paper	IF	Citations
38	A review on empirical mode decomposition in fault diagnosis of rotating machinery. *Mechanical Systems and Signal Processing*, **2013**, 35, 108-126	7.8	1046
37	Wavelet filter-based weak signature detection method and its application on rolling element bearing prognostics. *Journal of Sound and Vibration*, **2006**, 289, 1066-1090	3.9	758
36	. *IEEE Transactions on Industrial Electronics*, **2016**, 63, 3137-3147	8.9	661
35	A recurrent neural network based health indicator for remaining useful life prediction of bearings. *Neurocomputing*, **2017**, 240, 98-109	5.4	517
34	A neural network constructed by deep learning technique and its application to intelligent fault diagnosis of machines. *Neurocomputing*, **2018**, 272, 619-628	5.4	273
33	Application of Bayesian Networks in Reliability Evaluation. *IEEE Transactions on Industrial Informatics*, **2019**, 15, 2146-2157	11.9	83
32	Deep transfer multi-wavelet auto-encoder for intelligent fault diagnosis of gearbox with few target training samples. *Knowledge-Based Systems*, **2020**, 191, 105313	7.3	76
31	A multivariate encoder information based convolutional neural network for intelligent fault diagnosis of planetary gearboxes. *Knowledge-Based Systems*, **2018**, 160, 237-250	7.3	75
30	. *IEEE Access*, **2019**, 7, 162415-162438	3.5	64
29	Adaptive kernel density-based anomaly detection for nonlinear systems. *Knowledge-Based Systems*, **2018**, 139, 50-63	7.3	58
28	Transfer fault diagnosis of bearing installed in different machines using enhanced deep auto-encoder. *Measurement: Journal of the International Measurement Confederation*, **2020**, 152, 107393	4.6	44
27	A novel approach of multisensory fusion to collaborative fault diagnosis in maintenance. *Information Fusion*, **2021**, 74, 65-76	16.7	43
26	Reliability evaluation of non-repairable phased-mission common bus systems with common cause failures. *Computers and Industrial Engineering*, **2017**, 111, 445-457	6.4	38
25	Reliability analysis for preventive maintenance based on classical and Bayesian semi-parametric degradation approaches using locomotive wheel-sets as a case study. *Reliability Engineering and System Safety*, **2015**, 134, 143-156	6.3	37
24	Sliding Window-Based Fault Detection From High-Dimensional Data Streams. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2016**, 1-15	7.3	31
23	Reliability Analysis for Degradation of Locomotive Wheels using Parametric Bayesian Approach. *Quality and Reliability Engineering International*, **2014**, 30, 657-667	2.6	29
22	An angle-based subspace anomaly detection approach to high-dimensional data: With an application to industrial fault detection. *Reliability Engineering and System Safety*, **2015**, 142, 482-497	6.3	27

21	Deep Learning for Track Quality Evaluation of High-Speed Railway Based on Vehicle-Body Vibration Prediction. *IEEE Access*, **2019**, 7, 185099-185107	3.5	26
20	Restoration of smart grids: Current status, challenges, and opportunities. *Renewable and Sustainable Energy Reviews*, **2021**, 143, 110909	16.2	19
19	Evaluating the measurement capability of a wheel profile measurement system by using GR&R. *Measurement: Journal of the International Measurement Confederation*, **2016**, 92, 19-27	4.6	18
18	A Dynamic Prescriptive Maintenance Model Considering System Aging and Degradation. *IEEE Access*, **2019**, 7, 94931-94943	3.5	17
17	Data-driven approach to study the polygonization of high-speed railway train wheel-sets using field data of China's HSR train. *Measurement: Journal of the International Measurement Confederation*, **2020**, 149, 107022	4.6	14
16	IN2CLOUD: A novel concept for collaborative management of big railway data. *Frontiers of Engineering Management*, **2017**, 4, 428	2.7	11
15	An Active Learning Method Based on Uncertainty and Complexity for Gearbox Fault Diagnosis. *IEEE Access*, **2019**, 7, 9022-9031	3.5	10
14	. *IEEE Access*, **2019**, 7, 37611-37619	3.5	10
13	. *IEEE Transactions on Reliability*, **2008**, 57, 388-393	4.6	10
12	Bayesian semi-parametric analysis for locomotive wheel degradation using gamma frailties. *Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit*, **2015**, 229, 237-247	1.4	7
11	Compound fault diagnosis for a rolling bearing using adaptive DTCWPT with higher order spectra. *Quality Engineering*, **2020**, 32, 342-353	1.4	5
10	End-to-end unsupervised fault detection using a flow-based model. *Reliability Engineering and System Safety*, **2021**, 215, 107805	6.3	5
9	**2014**,		3
8	An Integrated Procedure for Bayesian Reliability Inference Using MCMC. *Journal of Quality and Reliability Engineering*, **2014**, 2014, 1-16		3
7	A Dynamic Maintenance Strategy for Prognostics and Health Management of Degrading Systems: Application in Locomotive Wheel-sets **2018**,		3
6	Bayesian Reliability with MCMC: Opportunities and Challenges. *Lecture Notes in Mechanical Engineering*, **2016**, 575-585	0.4	1
5	House of maintenance management in mining industry **2011**,		1
4	Bayesian analysis of constant stress AFT for Weibull distribution using Gibbs sampling **2007**,		1

3	Robustness of maintenance support service networks: attributes, evaluation and improvement. *Reliability Engineering and System Safety*, **2021**, 210, 107526	6.3	1
2	An Improved Cohesive Zone Model for Interface Mixed-Mode Fractures of Railway Slab Tracks. *Applied Sciences (Switzerland)*, **2021**, 11, 456	2.6	1
1	System availability assessment using a parametric Bayesian approach: a case study of balling drums. *International Journal of Systems Assurance Engineering and Management*, **2019**, 10, 739-745	1.3	