

Naipeng Li

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

38

papers

4,268

citations

23

h-index

43

g-index

43

ext. papers

6,194

ext. citations

6.2

avg. IF

6.51

L-index

#	Paper	IF	Citations
38	Machinery health prognostics: A systematic review from data acquisition to RUL prediction. <i>Mechanical Systems and Signal Processing</i> , 2018 , 104, 799-834	7.8	758
37	Applications of machine learning to machine fault diagnosis: A review and roadmap. <i>Mechanical Systems and Signal Processing</i> , 2020 , 138, 106587	7.8	556
36	A recurrent neural network based health indicator for remaining useful life prediction of bearings. <i>Neurocomputing</i> , 2017 , 240, 98-109	5.4	517
35	. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 7316-7325	8.9	418
34	A Hybrid Prognostics Approach for Estimating Remaining Useful Life of Rolling Element Bearings. <i>IEEE Transactions on Reliability</i> , 2020 , 69, 401-412	4.6	314
33	. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 7762-7773	8.9	261
32	A Model-Based Method for Remaining Useful Life Prediction of Machinery. <i>IEEE Transactions on Reliability</i> , 2016 , 65, 1314-1326	4.6	234
31	A New Method Based on Stochastic Process Models for Machine Remaining Useful Life Prediction. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2016 , 65, 2671-2684	5.2	124
30	Applications of stochastic resonance to machinery fault detection: A review and tutorial. <i>Mechanical Systems and Signal Processing</i> , 2019 , 122, 502-536	7.8	123
29	Machinery health indicator construction based on convolutional neural networks considering trend burr. <i>Neurocomputing</i> , 2018 , 292, 142-150	5.4	115
28	Deep separable convolutional network for remaining useful life prediction of machinery. <i>Mechanical Systems and Signal Processing</i> , 2019 , 134, 106330	7.8	102
27	A Wiener-Process-Model-Based Method for Remaining Useful Life Prediction Considering Unit-to-Unit Variability. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 2092-2101	8.9	79
26	Recurrent convolutional neural network: A new framework for remaining useful life prediction of machinery. <i>Neurocomputing</i> , 2020 , 379, 117-129	5.4	73
25	Fault diagnosis of rotating machinery based on an adaptive ensemble empirical mode decomposition. <i>Sensors</i> , 2013 , 13, 16950-64	3.8	64
24	. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 9747-9757	8.9	63
23	Health condition identification of multi-stage planetary gearboxes using a mRVM-based method. <i>Mechanical Systems and Signal Processing</i> , 2015 , 60-61, 289-300	7.8	61
22	Remaining Useful Life Prediction Based on a General Expression of Stochastic Process Models. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 5709-5718	8.9	59

21	A new fault diagnosis method based on adaptive spectrum mode extraction. <i>Structural Health Monitoring</i> , 147592172098694	4.4	45
20	Multiscale Convolutional Attention Network for Predicting Remaining Useful Life of Machinery. <i>IEEE Transactions on Industrial Electronics</i> , 2021, 68, 7496-7504	8.9	44
19	Remaining useful life prediction of machinery under time-varying operating conditions based on a two-factor state-space model. <i>Reliability Engineering and System Safety</i> , 2019, 186, 88-100	6.3	39
18	Data-driven fault diagnosis method based on the conversion of erosion operation signals into images and convolutional neural network. <i>Chemical Engineering Research and Design</i> , 2021, 149, 591-601	5.5	36
17	Two new features for condition monitoring and fault diagnosis of planetary gearboxes. <i>JVC/Journal of Vibration and Control</i> , 2015, 21, 755-764	2	34
16	Degradation modeling and remaining useful life prediction for dependent competing failure processes. <i>Reliability Engineering and System Safety</i> , 2021, 212, 107638	6.3	24
15	Remaining useful life prediction based on a multi-sensor data fusion model. <i>Reliability Engineering and System Safety</i> , 2021, 208, 107249	6.3	22
14	Joint maintenance and spare parts inventory optimization for multi-unit systems considering imperfect maintenance actions. <i>Reliability Engineering and System Safety</i> , 2020, 202, 106994	6.3	18
13	Deep partial transfer learning network: A method to selectively transfer diagnostic knowledge across related machines. <i>Mechanical Systems and Signal Processing</i> , 2021, 156, 107618	7.8	15
12	Deep convolution feature learning for health indicator construction of bearings 2017,		14
11	Subdomain Adaptation Transfer Learning Network for Fault Diagnosis of Roller Bearings. <i>IEEE Transactions on Industrial Electronics</i> , 2021, 1-1	8.9	14
10	Incipient Fault Detection for Rolling Element Bearings under Varying Speed Conditions. <i>Materials</i> , 2017, 10,	3.5	10
9	An improved fusion prognostics method for remaining useful life prediction of bearings 2017,		6
8	Multi-Sensor Data-Driven Remaining Useful Life Prediction of Semi-Observable Systems. <i>IEEE Transactions on Industrial Electronics</i> , 2021, 68, 11482-11491	8.9	6
7	A nonlinear degradation model based method for remaining useful life prediction of rolling element bearings 2015,		5
6	Online joint replacement-order optimization driven by a nonlinear ensemble remaining useful life prediction method. <i>Mechanical Systems and Signal Processing</i> , 2022, 173, 109053	7.8	3
5	A Distance Metric Learning Based Health Indicator for Health Prognostics of Bearings 2017,		2
4	A self-data-driven method for remaining useful life prediction of wind turbines considering continuously varying speeds. <i>Mechanical Systems and Signal Processing</i> , 2022, 165, 108315	7.8	2

3	A particle filtering-based approach for remaining useful life predication of rolling element bearings 2014,		1
2	Fault Detection of Planetary Gearboxes Based on an Adaptive Ensemble Empirical Mode Decomposition. <i>Lecture Notes in Mechanical Engineering</i> , 2015 , 837-848	0.4	1
1	Remaining Useful Life Prediction Based on Deep Residual Attention Network 2019,		1