Ding Peng

List of Publications by Year
in descending order

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38 papers	763 citations	516710 16 h-index	526287 27 g-index
38 all docs	38 docs citations	38 times ranked	457 citing authors

#	Article	IF	Citations
1	Transfer learning for remaining useful life prediction of multi-conditions bearings based on bidirectional-GRU network. Measurement: Journal of the International Measurement Confederation, 2021, 178, 109287.	5.0	93
2	Self-supervised pretraining via contrast learning for intelligent incipient fault detection of bearings. Reliability Engineering and System Safety, 2022, 218, 108126.	8.9	76
3	Intelligent Fault Diagnosis of Multichannel Motorâ€“Rotor System Based on Multimanifold Deep Extreme Learning Machine. IEEE/ASME Transactions on Mechatronics, 2020, 25, 2177-2187.	5.8	61
4	Degradation evaluation of slewing bearing using HMM and improved GRU. Measurement: Journal of the International Measurement Confederation, 2019, 146, 385-395.	5.0	57
5	Intelligent Fault Diagnosis of Gearbox Under Variable Working Conditions With Adaptive Intraclass and Interclass Convolutional Neural Network. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 6339-6353.	11.3	45
6	Whole-genome sequencing reveals the effect of vaccination on the evolution of Bordetella pertussis. Scientific Reports, 2015, 5, 12888.	3.3	44
7	Meta deep learning based rotating machinery health prognostics toward few-shot prognostics. Applied Soft Computing Journal, 2021, 104, 107211.	7.2	41
8	Temporal convolution-based transferable cross-domain adaptation approach for remaining useful life estimation under variable failure behaviors. Reliability Engineering and System Safety, 2021, 216, 107946.	8.9	34
9	Multiscale Deep Graph Convolutional Networks for Intelligent Fault Diagnosis of Rotor-Bearing System Under Fluctuating Working Conditions. IEEE Transactions on Industrial Informatics, 2023, 19, 166-176.	11.3	32
10	Stationary subspaces-vector autoregressive with exogenous terms methodology for degradation trend estimation of rolling and slewing bearings. Mechanical Systems and Signal Processing, 2021, 150, 107293.	8.0	28
11	Transfer Learning for Remaining Useful Life Prediction Across Operating Conditions Based on Multisource Domain Adaptation. IEEE/ASME Transactions on Mechatronics, 2022, 27, 4143-4152.	5.8	24
12	Effect of raceway geometry parameters on the carrying capability and the service life of a four-point-contact slewing bearing. Journal of Mechanical Science and Technology, 2010, 24, 2083-2089.	1.5	21
13	Reliability-based residual life prediction of large-size low-speed slewing bearings. Mechanism and Machine Theory, 2014, 81, 94-106.	4.5	21
14	HYGP-MSAM based model for slewing bearing residual useful life prediction. Measurement: Journal of the International Measurement Confederation, 2019, 141, 162-175.	5.0	20
15	A dynamic structure-adaptive symbolic approach for slewing bearingsâ€™ life prediction under variable working conditions. Structural Health Monitoring, 2021, 20, 273-302.	7.5	19
16	Fault Diagnosis of Rolling-Element Bearing Using Multiscale Pattern Gradient Spectrum Entropy Coupled with Laplacian Score. Complexity, 2020, 2020, 1-29.	1.6	16
17	Deep imbalanced regression using cost-sensitive learning and deep feature transfer for bearing remaining useful life estimation. Applied Soft Computing Journal, 2022, 127, 109271.	7.2	16
18	RstA, a two-component response regulator, plays important roles in multiple virulence-associated processes in enterohemorrhagic Escherichia coli O157:H7. Gut Pathogens, 2019, 11, 53.	3.4	15

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19	Mechatronics Equipment Performance Degradation Assessment Using Limited and Unlabeled Data. IEEE Transactions on Industrial Informatics, 2022, 18, 2374-2385.	11.3	15
20	A Novel Remaining Useful Life Prediction Method of Rolling Bearings Based on Deep Transfer Auto-Encoder. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	4.7	14
21	How do specimen preparation and crystal perfection affect structure factor measurements by quantitative convergent-beam electron diffraction?. Journal of Applied Crystallography, 2017, 50, 602-611.	4.5	8
22	A Symbolic Regression Based Residual Useful Life Model for Slewing Bearings. IEEE Access, 2019, 7, 72076-72089.	4.2	7
23	Life prediction of slewing bearing based on isometric mapping and fuzzy support vector regression. Transactions of the Institute of Measurement and Control, 2020, 42, 94-103.	1.7	7
24	Smart health evaluation of slewing bearing based on multiple-characteristic parameters. Journal of Mechanical Science and Technology, 2014, 28, 2089-2097.	1.5	6
25	Formation of organogels with aggregation-induced emission characteristics triggered by thermal and ultrasound. Colloid and Polymer Science, 2017, 295, 1765-1772.	2.1	6
26	Remaining Useful Life Assessment of Slewing Bearing Based on Spatial-Temporal Sequence. IEEE Access, 2020, 8, 9739-9750.	4.2	6
27	Intelligent machinery health prognostics under variable operation conditions with limited and variable-length data. Advanced Engineering Informatics, 2022, 53, 101691.	8.0	6
28	A Clustering-Based Framework for Performance Degradation Prediction of Slewing Bearing Using Multiple Physical Signals. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering, 2019, 5, .	1.1	4
29	A New Compressed-Structure-Based Coning Algorithm for Fiber Optic Strapdown Inertial Navigation Systems. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-14.	4.7	4
30	Statistical Alignment-Based Metagated Recurrent Unit for Cross-Domain Machinery Degradation Trend Prognostics Using Limited Data. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	4.7	3
31	Bioinspired actuators with intrinsic muscle-like mechanical properties. IScience, 2021, 24, 103023.	4.1	3
32	An Optimal Indirect In-Motion Coarse Alignment Method for GNSS-Aided SINS. IEEE Sensors Journal, 2022, 22, 7608-7618.	4.7	3
33	Multiobjective Evolution Enhanced Collaborative Health Monitoring and Prognostics: A Case Study of Bearing Life Test With Three-Axis Acceleration Signals. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-12.	4.7	3
34	A High-Order Enhanced Attitude Algorithm Under Angular-Rate Input Condition. IEEE Sensors Journal, 2021, 21, 12119-12129.	4.7	2
35	Measuring Density Functional Parameters from Electron Diffraction Patterns. Physical Review Letters, 2021, 126, 176402.	7.8	2
36	Identification of the impurity phase in high-purity CeB6 by convergent-beam electron diffraction. Acta Crystallographica Section A: Foundations and Advances, 2019, 75, 489-500.	0.1	1

#	Article	IF	Citations
37	Intelligent health evaluation of rolling bearings based on subspace meta-learning. , 2020, , .		0
38	Remaining Useful Life Estimation Under Variable Failure Behaviors via Transferable Metric Learning. , 2021, , .		0