Feedback on the Surveillance 8 challenge: Vibration-based engine

Mechanical Systems and Signal Processing

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Citation Report

#	ARTICLE	IF	CITATIONS
1	An adaptive and tacholess order analysis method based on enhanced empirical wavelet transform for fault detection of bearings with varying speeds. Journal of Sound and Vibration, 2017, 409, 241-255.	2.1	84
2	An interactive method for predicting industrial equipment defects. International Journal of Advanced Manufacturing Technology, 2018, 95, 4341-4351.	1.5	10
3	Fault Diagnosis Method for Rolling Element Bearings Under Variable Speed Based on TKEO and Fast-SC. Journal of Failure Analysis and Prevention, 2018, 18, 2-7.	0.5	8
4	Amplitude-cyclic frequency decomposition of vibration signals for bearing fault diagnosis based on phase editing. Mechanical Systems and Signal Processing, 2018, 103, 76-88.	4.4	16
5	Fault Simulation and Diagnosis of the Aero-Engine Fuel Regulator. , 2018, , .		4
6	Bearing Signal Enhancement Using Taylor-<inline-formula> <tex-math notation="LaTeX">H_{infty} </tex-math> </inline-formula> Estimator Under Variable Speed Condition. IEEE Transactions on Instrumentation and Measurement, 2018, 67, 2538-2547.	2.4	5
7	A modified tacho-less order tracking method for the surveillance and diagnosis of machine under sharp speed variation. Mechanism and Machine Theory, 2018, 128, 508-527.	2.7	16
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9	Machine Vibration Monitoring for Diagnostics through Hypothesis Testing. Information (Switzerland), 2019, 10, 204.	1.7	18
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11	Review and comparison of tacholess instantaneous speed estimation methods on experimental vibration data. Mechanical Systems and Signal Processing, 2019, 129, 407-436.	4.4	88
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16	Influence of speed fluctuation on cepstrum. Mechanical Systems and Signal Processing, 2019, 119, 81-99.	4.4	3
17	Rolling Bearing Fault Detection of Civil Aircraft Engine Based on Adaptive Estimation of Instantaneous Angular Speed. IEEE Transactions on Industrial Informatics, 2020, 16, 4938-4948.	7.2	56
18	Collaborative sparse classification for aero-engine's gear hub crack diagnosis. Mechanical Systems and Signal Processing, 2020, 141, 106426.	4.4	11

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19	Aero-engine bearing fault detection: A clustering low-rank approach. Mechanical Systems and Signal Processing, 2020, 138, 106529.	4.4	21
20	Mean Shift Clustering-Based Analysis of Nonstationary Vibration Signals for Machinery Diagnostics. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 4056-4066.	2.4	15
21	Generalized adaptive mode decomposition for nonstationary signal analysis of rotating machinery: Principle and applications. Mechanical Systems and Signal Processing, 2020, 136, 106530.	4.4	43
22	Big Data management: A Vibration Monitoring point of view. , 2020, , .		5
23	Reassigned second-order Synchrosqueezing Transform and its application to wind turbine fault diagnosis. Renewable Energy, 2020, 161, 736-749.	4.3	18
24	Improved CNN for the diagnosis of engine defects of 2-wheeler vehicle using wavelet synchro-squeezed transform (WSST). Knowledge-Based Systems, 2020, 208, 106453.	4.0	43
25	A Novel Adaptive Mode Decomposition Method Based on Reassignment Vector and Its Application to Fault Diagnosis of Rolling Bearing. Applied Sciences (Switzerland), 2020, 10, 5479.	1.3	5
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28	Intelligent cross-condition fault recognition of rolling bearings based on normalized resampled characteristic power and self-organizing map. Mechanical Systems and Signal Processing, 2021, 153, 107462.	4.4	11
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33	Short-Time/-Angle Spectral Analysis for Vibration Monitoring of Bearing Failures under Variable Speed. Applied Sciences (Switzerland), 2021, 11, 3369.	1.3	8
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38	A calibration system of resonant high-acceleration and metrological traceability. Measurement Science and Technology, 2021, 32, 125904.	1.4	3
39	Enhancement of adaptive mode decomposition via angular resampling for nonstationary signal analysis of rotating machinery: Principle and applications. Mechanical Systems and Signal Processing, 2021, 160, 107909.	4.4	17
40	Enhancement of time-frequency post-processing readability for nonstationary signal analysis of rotating machinery: Principle and validation. Mechanical Systems and Signal Processing, 2022, 163, 108145.	4.4	33
42	Bearing condition evaluation based on the shock pulse method and principal resonance analysis. IEEE Transactions on Instrumentation and Measurement, 2021, , 1-1.	2.4	5
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44	Vibration Based Condition Monitoring of Helicopter Gearboxes Based on Cyclostationary Analysis. , 2019, , .		2
45	Sensitivity calibration of a three-axis accelerometer under different temperature conditions using the hybrid GAâ€"PSOâ€"BPNN algorithm. Sensor Review, 2021, ahead-of-print, .	1.0	1
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47	Synchronous chirp mode extraction: A promising tool for fault diagnosis of rolling element bearings under varying speed conditions. Chinese Journal of Aeronautics, 2022, 35, 348-364.	2.8	8
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54	A Review on Vibration-Based Condition Monitoring of Rotating Machinery. Applied Sciences (Switzerland), 2022, 12, 972.	1.3	79
55	Enhanced symplectic geometry mode decomposition and its application to rotating machinery fault diagnosis under variable speed conditions. Mechanical Systems and Signal Processing, 2022, 170, 108841.	4.4	12

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57	Robust Spectral Peaks Detection in Vibration and Acoustic Signals. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-13.	2.4	2
58	Flexible iterative generalized demodulation filtering for the fault diagnosis of rotating machinery under nonstationary conditions. Structural Health Monitoring, 2023, 22, 1421-1436.	4.3	7
59	Flexible Generalized Demodulation for Intelligent Bearing Fault Diagnosis Under Nonstationary Conditions. IEEE Transactions on Industrial Informatics, 2023, 19, 2717-2728.	7.2	23
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64	Time-varying filtering for nonstationary signal analysis of rotating machinery: Principle and applications. Mechanical Systems and Signal Processing, 2023, 192, 110204.	4.4	7
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