

Jingsong Xie

List of Publications by Year in descending order

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papers

251
citations

1163117

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docs citations

15
times ranked

134
citing authors

#	ARTICLE	IF	CITATIONS
1	Conditional GAN and 2-D CNN for Bearing Fault Diagnosis With Small Samples. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	4.7	50
2	Deep Feature Generating Network: A New Method for Intelligent Fault Detection of Mechanical Systems Under Class Imbalance. IEEE Transactions on Industrial Informatics, 2021, 17, 6282-6293.	11.3	43
3	A Novel Bearing Fault Classification Method Based on XGBoost: The Fusion of Deep Learning-Based Features and Empirical Features. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	4.7	40
4	A novel vibration modeling method for a rotating blade with breathing cracks. Science China Technological Sciences, 2019, 62, 333-348.	4.0	26
5	Remaining Useful Life Prediction Method for Bearings Based on LSTM with Uncertainty Quantification. Sensors, 2022, 22, 4549.	3.8	26
6	SASLN: Signals Augmented Self-Taught Learning Networks for Mechanical Fault Diagnosis Under Small Sample Condition. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	4.7	20
7	Modified breathing mechanism model and phase waterfall plot diagnostic method for cracked rotors. Journal of Mechanical Science and Technology, 2018, 32, 2527-2539.	1.5	10
8	Regularized Cubic B-Spline Collocation Method With Modified L-Curve Criterion for Impact Force Identification. IEEE Access, 2020, 8, 36337-36349.	4.2	10
9	Mechanism explanation and experimental verification of a new modulation frequency characteristic in a disturbed crack rotor. Nonlinear Dynamics, 2019, 95, 597-616.	5.2	7
10	A New Concept of Instantaneous Whirling Speed for Cracked Rotor's Axis Orbit. Applied Sciences (Switzerland), 2019, 9, 4120.	2.5	6
11	Phase-based spectrum analysis method for identifying weak harmonics. JVC/Journal of Vibration and Control, 2018, 24, 5585-5596.	2.6	5
12	The Next Failure Time Prediction of Escalators via Deep Neural Network with Dynamic Time Warping Preprocessing. Applied Sciences (Switzerland), 2020, 10, 5622.	2.5	4
13	An efficient method for vibration equations with time varying coefficients and nonlinearities. Journal of Low Frequency Noise Vibration and Active Control, 0, , 146134842110251.	2.9	2
14	Depth Prototype Clustering Method Based on Unsupervised Field Alignment for Bearing Fault Identification of Mechanical Equipment. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-14.	4.7	1
15	An identification method for excitation location and its application in faults location. Mechanical Systems and Signal Processing, 2022, 171, 108948.	8.0	1