

Wei-dong Cheng

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

506
citations

933447

10
h-index

888059

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20
all docs

20
docs citations

20
times ranked

407
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible iterative generalized demodulation filtering for the fault diagnosis of rotating machinery under nonstationary conditions. <i>Structural Health Monitoring</i> , 2023, 22, 1421-1436.	7.5	7
2	Rolling Bearing Fault Severity Recognition via Data Mining Integrated With Convolutional Neural Network. <i>IEEE Sensors Journal</i> , 2022, 22, 5768-5777.	4.7	27
3	Vibration Source Signal Separation of Rotating Machinery Equipment and Robot Bearings Based on Low Rank Constraint. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5250.	2.5	4
4	An Online Bearing Fault Diagnosis Technique via Improved Demodulation Spectrum Analysis Under Variable Speed Conditions. <i>IEEE Systems Journal</i> , 2020, 14, 2323-2334.	4.6	22
5	Rolling bearing fault diagnosis via STFT and improved instantaneous frequency estimation method. <i>Procedia Manufacturing</i> , 2020, 49, 166-172.	1.9	36
6	Study on High-Speed and Smooth Transfer of Robot Motion Trajectory Based on Modified S-Shaped Acceleration/Deceleration Algorithm. <i>IEEE Access</i> , 2020, 8, 199747-199758.	4.2	7
7	A Similarity Comparison Method of Homologous Fault Response Fragments under Variable Rotational Speed. <i>Shock and Vibration</i> , 2020, 2020, 1-12.	0.6	2
8	Generative Adversarial Learning Enhanced Fault Diagnosis for Planetary Gearbox under Varying Working Conditions. <i>Sensors</i> , 2020, 20, 1685.	3.8	12
9	Demodulation spectrum analysis for multi-fault diagnosis of rolling bearing via chirplet path pursuit. <i>Journal of Central South University</i> , 2019, 26, 2418-2431.	3.0	3
10	Rolling Bearing Fault Diagnosis via ConceFT-Based Time-Frequency Reconfiguration Order Spectrum Analysis. <i>IEEE Access</i> , 2018, 6, 67131-67143.	4.2	9
11	Generalized demodulation with tunable E-Factor for rolling bearing diagnosis under time-varying rotational speed. <i>Journal of Sound and Vibration</i> , 2018, 430, 59-74.	3.9	27
12	Planetary Gearbox Fault Diagnosis Using Envelope Manifold Demodulation. <i>Shock and Vibration</i> , 2016, 2016, 1-13.	0.6	4
13	Revised computed order tracking method for element rolling bearing diagnosis. , 2016, , .		1
14	Rolling element bearing instantaneous rotational frequency estimation based on EMD soft-thresholding denoising and instantaneous fault characteristic frequency. <i>Journal of Central South University</i> , 2016, 23, 1682-1689.	3.0	20
15	Compound faults detection of rolling element bearing based on the generalized demodulation algorithm under time-varying rotational speed. <i>Journal of Sound and Vibration</i> , 2016, 378, 109-123.	3.9	67
16	Bearing fault diagnosis under unknown variable speed via gear noise cancellation and rotational order sideband identification. <i>Mechanical Systems and Signal Processing</i> , 2015, 62-63, 30-53.	8.0	57
17	Envelope deformation in computed order tracking and error in order analysis. <i>Mechanical Systems and Signal Processing</i> , 2014, 48, 92-102.	8.0	35
18	Rolling element bearing fault diagnosis via fault characteristic order (FCO) analysis. <i>Mechanical Systems and Signal Processing</i> , 2014, 45, 139-153.	8.0	162

#	ARTICLE	IF	CITATIONS
19	Anomaly detection for equipment condition via cross-correlation approximate entropy. , 2011, , .		3
20	The study on life model of MOV based on various parameters and surge history. Soft Computing, 0, , 1.	3.6	1