

Liu Hong

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.

18
papers

266
citations

6
h-index

16
g-index

31
ext. papers

338
ext. citations

3.8
avg, IF

3.63
L-index

#	Paper	IF	Citations
18	A time domain approach to diagnose gearbox fault based on measured vibration signals. <i>Journal of Sound and Vibration</i> , 2014 , 333, 2164-2180	3.9	97
17	An explanation of frequency features enabling detection of faults in equally spaced planetary gearbox. <i>Mechanism and Machine Theory</i> , 2014 , 73, 169-183	4	55
16	Identification and control of stick-slip vibrations using Kalman estimator in oil-well drill strings. <i>Journal of Petroleum Science and Engineering</i> , 2016 , 140, 119-127	4.4	29
15	A novel vibration-based fault diagnostic algorithm for gearboxes under speed fluctuations without rotational speed measurement. <i>Mechanical Systems and Signal Processing</i> , 2017 , 94, 14-32	7.8	28
14	The Detection of the Pipe Crack Utilizing the Operational Modal Strain Identified from Fiber Bragg Grating. <i>Sensors</i> , 2019 , 19,	3.8	10
13	Experimental study of dynamic strain for gear tooth using fiber Bragg gratings and piezoelectric strain sensors. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2018 , 232, 3992-4003	1.3	8
12	Gear Fault Detection in Planetary Gearbox Using Stator Current Measurement of AC Motors 2012 ,		6
11	Vibration Based Diagnosis for Planetary Gearboxes Using an Analytical Model. <i>Shock and Vibration</i> , 2016 , 2016, 1-11	1.1	6
10	2013 ,		5
9	A novel semi-active tuned mass damper with tunable stiffness 2018 ,		5
8	A Diaphragm-Type Highly Sensitive Fiber Bragg Grating Force Transducer With Temperature Compensation. <i>IEEE Sensors Journal</i> , 2017 , 1-1	4	4
7	A Methodology to Handle Spectral Smearing in Gearboxes Using Adaptive Mode Decomposition and Dynamic Time Warping. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-10	5.2	4
6	Using Long Short Term Memory Based Approaches for Carbon Steel Fatigue Remaining Useful Life Prediction 2018 ,		3
5	A Critical Investigation of Hilbert-Huang Transform Based Envelope Analysis for Fault Diagnosis of Gears 2018 ,		2
4	On research of incipient gear pitting fault detection using optic fiber sensors 2018 ,		1
3	A novel fault diagnostic technique for gearboxes under speed fluctuations without angular speed measurement 2016 ,		1
2	A novel tachless order analysis method for bearings operating under time-varying speed conditions. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021 , 186, 110127	4.6	0

- 1 A Comparative Analysis Between EMD- and VMD-Based Tacho-Less Order Tracking Techniques for Fault Detection in Gears **2021**, 203-209