

# Liu Hong

## List of Publications by Year in Descending Order

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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 Comparative Analysis Between EMD- and VMD-Based Tacho-Less Order Tracking Techniques for Fault Detection in Gears <b>2021</b> , 203-209		
17	A Methodology to Handle Spectral Smearing in Gearboxes Using Adaptive Mode Decomposition and Dynamic Time Warping. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2021</b> , 70, 1-10	5.2	4
16	A novel tacholess order analysis method for bearings operating under time-varying speed conditions. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2021</b> , 186, 110127	4.6	0
15	The Detection of the Pipe Crack Utilizing the Operational Modal Strain Identified from Fiber Bragg Grating. <i>Sensors</i> , <b>2019</b> , 19,	3.8	10
14	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> , <b>2018</b> , 232, 3992-4003	1.3	8
13	On research of incipient gear pitting fault detection using optic fiber sensors <b>2018</b> ,		1
12	Using Long Short Term Memory Based Approaches for Carbon Steel Fatigue Remaining Useful Life Prediction <b>2018</b> ,		3
11	A novel semi-active tuned mass damper with tunable stiffness <b>2018</b> ,		5
10	A Critical Investigation of Hilbert-Huang Transform Based Envelope Analysis for Fault Diagnosis of Gears <b>2018</b> ,		2
9	A novel vibration-based fault diagnostic algorithm for gearboxes under speed fluctuations without rotational speed measurement. <i>Mechanical Systems and Signal Processing</i> , <b>2017</b> , 94, 14-32	7.8	28
8	A Diaphragm-Type Highly Sensitive Fiber Bragg Grating Force Transducer With Temperature Compensation. <i>IEEE Sensors Journal</i> , <b>2017</b> , 1-1	4	4
7	Vibration Based Diagnosis for Planetary Gearboxes Using an Analytical Model. <i>Shock and Vibration</i> , <b>2016</b> , 2016, 1-11	1.1	6
6	A novel fault diagnostic technique for gearboxes under speed fluctuations without angular speed measurement <b>2016</b> ,		1
5	Identification and control of stick-slip vibrations using Kalman estimator in oil-well drill strings. <i>Journal of Petroleum Science and Engineering</i> , <b>2016</b> , 140, 119-127	4.4	29
4	An explanation of frequency features enabling detection of faults in equally spaced planetary gearbox. <i>Mechanism and Machine Theory</i> , <b>2014</b> , 73, 169-183	4	55
3	A time domain approach to diagnose gearbox fault based on measured vibration signals. <i>Journal of Sound and Vibration</i> , <b>2014</b> , 333, 2164-2180	3.9	97
2	<b>2013</b> ,		5

1 Gear Fault Detection in Planetary Gearbox Using Stator Current Measurement of AC Motors **2012,**