

# Yongzhi Qu

## 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.

32  
papers

469  
citations

13  
h-index

20  
g-index

43  
ext. papers

635  
ext. citations

2.6  
avg, IF

4.26  
L-index

#	Paper	IF	Citations
32	Gearbox tooth cut fault diagnostics using acoustic emission and vibration sensors--a comparative study. <i>Sensors</i> , <b>2014</b> , 14, 1372-93	3.8	78
31	Gear Pitting Fault Diagnosis Using Integrated CNN and GRU Network with Both Vibration and Acoustic Emission Signals. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 768	2.6	39
30	Semi-supervised gear fault diagnosis using raw vibration signal based on deep learning. <i>Chinese Journal of Aeronautics</i> , <b>2020</b> , 33, 418-426	3.7	34
29	Gear pitting fault diagnosis with mixed operating conditions based on adaptive 1D separable convolution with residual connection. <i>Mechanical Systems and Signal Processing</i> , <b>2020</b> , 142, 106740	7.8	31
28	Detection of Pitting in Gears Using a Deep Sparse Autoencoder. <i>Applied Sciences (Switzerland)</i> , <b>2017</b> , 7, 515	2.6	31
27	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
26	Vibration response of multi-span fluid-conveying pipe with multiple accessories under complex boundary conditions. <i>European Journal of Mechanics, A/Solids</i> , <b>2018</b> , 72, 41-56	3.7	26
25	On the Use of Spectral Averaging of Acoustic Emission Signals for Bearing Fault Diagnostics. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , <b>2014</b> , 136,	1.6	19
24	Unsupervised rotating machinery fault diagnosis method based on integrated SAEDBN and a binary processor. <i>Journal of Intelligent Manufacturing</i> , <b>2020</b> , 31, 1899-1916	6.7	18
23	A domain adaptation model for early gear pitting fault diagnosis based on deep transfer learning network. <i>Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability</i> , <b>2020</b> , 234, 168-182	0.8	15
22	Deep and Broad Learning on Content-Aware POI Recommendation <b>2017</b> ,		14
21	A Fiber Bragg Grating Sensing Based Triaxial Vibration Sensor. <i>Sensors</i> , <b>2015</b> , 15, 24214-29	3.8	14
20	Clamp looseness detection using modal strain estimated from FBG based operational modal analysis. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2019</b> , 137, 82-97	4.6	13
19	Dynamic Modeling of Manufacturing Capability for Robotic Disassembly in Remanufacturing. <i>Procedia Manufacturing</i> , <b>2017</b> , 10, 15-25	1.5	12
18	Gear pitting fault diagnosis using raw acoustic emission signal based on deep learning. <i>Eksploatacja I Niezawodnosc</i> , <b>2019</b> , 21, 403-410	3.5	11
17	A Novel Method for Early Gear Pitting Fault Diagnosis Using Stacked SAE and GBRBM. <i>Sensors</i> , <b>2019</b> , 19,	3.8	11
16	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

15	Bearing fault diagnosis based on a new acoustic emission sensor technique. <i>Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability</i> , <b>2015</b> , 229, 105-118	0.8	10
14	Gear pitting fault diagnosis using disentangled features from unsupervised deep learning. <i>Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability</i> , <b>2019</b> , 233, 719-730	0.8	9
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> , <b>2018</b> , 232, 3992-4003	1.3	8
12	A New Signal Processing and Feature Extraction Approach for Bearing Fault Diagnosis using AE Sensors. <i>Journal of Failure Analysis and Prevention</i> , <b>2016</b> , 16, 821-827	0.9	8
11	Development of a new acoustic emission based fault diagnosis tool for gearbox <b>2013</b> ,		7
10	Collective Geographical Embedding for Geolocating Social Network Users. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 599-611	0.9	6
9	Vibration Based Diagnosis for Planetary Gearboxes Using an Analytical Model. <i>Shock and Vibration</i> , <b>2016</b> , 2016, 1-11	1.1	6
8	A New Spectral Average-Based Bearing Fault Diagnostic Approach. <i>Journal of Failure Analysis and Prevention</i> , <b>2014</b> , 14, 354	0.9	2
7	Early Gear Pitting Fault Diagnosis Based on Bi-directional LSTM <b>2019</b> ,		2
6	On research of incipient gear pitting fault detection using optic fiber sensors <b>2018</b> ,		1
5	Incipient loose detection of hoops for pipeline based on ensemble empirical mode decomposition and multi-scale entropy and extreme learning machine. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 211, 012011	0.4	1
4	Gear pitting level diagnosis using vibration signals with an improved inception structure. <i>Vibroengineering PROCEDIA</i> , <b>2018</b> , 20, 70-75	0.4	1
3	An Improved Feature Extraction Method for Rolling Bearing Fault Diagnosis Based on MEMD and PE. <i>Polish Maritime Research</i> , <b>2018</b> , 25, 98-106	1.7	1
2	A novel fault diagnostic technique for gearboxes under speed fluctuations without angular speed measurement <b>2016</b> ,		1
1	Unsupervised Gear Fault Diagnosis Using Raw Vibration Signal Based on Deep Learning <b>2018</b> ,		1