

Mian Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

226
citations

1163117

8
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

168
citing authors

#	ARTICLE	IF	CITATIONS
1	Amplitudes of characteristic frequencies for fault diagnosis of planetary gearbox. Journal of Sound and Vibration, 2018, 432, 119-132.	3.9	63
2	Surface damage detection for steel wire ropes using deep learning and computer vision techniques. Measurement: Journal of the International Measurement Confederation, 2020, 161, 107843.	5.0	49
3	Motion periods of sun gear dynamic fault meshing positions in planetary gear systems. Measurement: Journal of the International Measurement Confederation, 2020, 162, 107897.	5.0	18
4	Motion Periods of Planet Gear Fault Meshing Behavior. Sensors, 2018, 18, 3802.	3.8	16
5	An improved sideband energy ratio for fault diagnosis of planetary gearboxes. Journal of Sound and Vibration, 2021, 491, 115712.	3.9	15
6	An improved phenomenological model of vibrations for planetary gearboxes. Journal of Sound and Vibration, 2021, 496, 115919.	3.9	15
7	An adaptive order-band energy ratio method for the fault diagnosis of planetary gearboxes. Mechanical Systems and Signal Processing, 2022, 165, 108336.	8.0	14
8	Sweep excitation with order tracking: A new tactic for beam crack analysis. Journal of Sound and Vibration, 2018, 420, 129-141.	3.9	8
9	One-Class Support Vector Machine Based Schemes for Structural Reliability Assessment Under Imbalanced Sample Conditions. IEEE Access, 2020, 8, 184350-184359.	4.2	7
10	A Fault Diagnostic Scheme Based on Capsule Network for Rolling Bearing under Different Rotational Speeds. Sensors, 2020, 20, 1841.	3.8	7
11	Motion characteristics of untethered swimmer with magnetoelastic material. Smart Materials and Structures, 2021, 30, 075030.	3.5	7
12	Intelligent fault diagnosis of a planetary gearbox based on dynamic frequency energy ratio scheme. Measurement Science and Technology, 2021, 32, 104013.	2.6	7