

# Ming Liang

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

814  
citations

759233

12  
h-index

713466

21  
g-index

36  
all docs

36  
docs citations

36  
times ranked

889  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiple time-frequency curve extraction Matlab code and its application to automatic bearing fault diagnosis under time-varying speed conditions. <i>MethodsX</i> , 2019, 6, 1415-1432.	1.6	17
2	Gearbox fault diagnosis via generalized velocity synchronous Fourier transform and order analysis. <i>Transactions of the Canadian Society for Mechanical Engineering</i> , 2019, 43, 153-163.	0.8	3
3	Velocity Synchronous Linear Chirplet Transform. <i>IEEE Transactions on Industrial Electronics</i> , 2019, 66, 6270-6280.	7.9	55
4	Evaluation of Time-Varying Mesh Stiffness of Gears with Tooth Spalls Modeled as Spherical Shapes. , 2018, , .		1
5	Velocity Synchrosqueezing Windowed Fourier Transform for Fault Diagnosis of Fixed-Shaft Gearbox Under Nonstationary Conditions. , 2018, , .		0
6	A velocity synchrosqueezing transform for fault diagnosis of planetary gearboxes under nonstationary conditions. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2017, 231, 2868-2884.	2.1	7
7	Design, Modeling and Testing of a Two-Terminal Mass Device With a Variable Inertia Flywheel. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2016, 138, .	2.9	12
8	Spectral kurtosis for fault detection, diagnosis and prognostics of rotating machines: A review with applications. <i>Mechanical Systems and Signal Processing</i> , 2016, 66-67, 679-698.	8.0	362
9	Oscillatory behavior based fault feature extraction for bearing fault diagnosis. , 2015, , .		1
10	Fault feature extraction of planetary gearboxes under nonstationary conditions based on reassigned wavelet scalogram. , 2015, , .		2
11	Vibration signal demodulation and bearing fault detection: A clustering-based segmentation method. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2014, 228, 1888-1899.	2.1	12
12	Enhancement of the Wear Particle Monitoring Capability of Oil Debris Sensors Using a Maximal Overlap Discrete Wavelet Transform with Optimal Decomposition Depth. <i>Sensors</i> , 2014, 14, 6207-6228.	3.8	31
13	Analytical modeling of oxide thickness variation of metals under high temperature solid-particle erosion. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2014, 05, 1450002.	1.4	2
14	A Joint Kurtosis-Based Adaptive Bandstop Filtering and Iterative Autocorrelation Approach to Bearing Fault Detection. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2013, 135, .	1.6	11
15	Gear fault detection under time-varying rotating speed via joint application of multiscale chirplet path pursuit and multiscale morphology analysis. <i>Structural Health Monitoring</i> , 2012, 11, 526-537.	7.5	11
16	Bandstop filtering for interference removal in bearing fault detection. , 2012, , .		3
17	Vibration suppression using two-terminal flywheel. Part I: Modeling and characterization. <i>JVC/Journal of Vibration and Control</i> , 2012, 18, 1096-1105.	2.6	30
18	Vibration suppression using two-terminal flywheel. Part II: application to vehicle passive suspension. <i>JVC/Journal of Vibration and Control</i> , 2012, 18, 1353-1365.	2.6	30

#	ARTICLE	IF	CITATIONS
19	Wavelet-Based Detection of Beam Cracks Using Modal Shape and Frequency Measurements. Computer-Aided Civil and Infrastructure Engineering, 2012, 27, 439-454.	9.8	105
20	An optimal global projection denoising algorithm and its application to shaft orbit purification. Structural Health Monitoring, 2011, 10, 603-616.	7.5	8
21	Bearing fault diagnosis of a wind turbine using maximum likelihood detection. , 2011, , .		0
22	COVARIANCE TRACKING WITH FORGETTING FACTOR AND RANDOM SAMPLING. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2011, 19, 547-558.	1.9	4
23	Notice of Retraction: Tool condition and machine component monitoring by fuzzy indices. , 2010, , .		0
24	A New Low-Frequency Resonance Sensor for Low Speed Roller Bearing Monitoring. Journal of Vibration and Acoustics, Transactions of the ASME, 2010, 132, .	1.6	5
25	Oil debris signal analysis based on empirical mode decomposition for machinery condition monitoring. , 2009, , .		2
26	Mechanical Fault Detection Using Fuzzy Index Fusion. , 2009, , .		2
27	Multi-objective design optimization of reconfigurable machine tools: a modified fuzzy-Chebyshev programming approach. International Journal of Production Research, 2008, 46, 1587-1618.	7.5	31
28	Enhancement of the signals collected by oil debris sensors. , 2008, , .		5
29	A Combined Spectral Subtraction and Wavelet De-Noising Method for Bearing Fault Diagnosis. Proceedings of the American Control Conference, 2007, , .	0.0	5
30	Identification of the high SNR frequency band for bearing fault signature enhancement. , 2007, , .		2
31	Simultaneous Modular Product Scheduling and Manufacturing Cell Reconfiguration Using a Genetic Algorithm. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2006, 128, 984-995.	2.2	22
32	SOLVING A COMBINED PART-SELECTION, MACHINE-LOADING, AND TOOL-CONFIGURATION PROBLEM IN FLEXIBLE MANUFACTURING SYSTEMS*. Production and Operations Management, 1993, 2, 97-113.	3.8	21
33	Solving the Combined Modular Product Scheduling and Production Cell Reconfiguration Problem: a GA Approach with Parallel Chromosome Coding. , 0, , .		1
34	De-noising mechanical signals by hybrid thresholding. , 0, , .		4
35	A Particle Swarm Optimization Approach to A Multi-objective Reconfigurable Machine Tool Design Problem. , 0, , .		1