Liang-Liang Cheng

List of Publications by Year
in descending order

15	124	1684188 5	1372567 10
papers	citations	h-index	g-index

16	16	16	87
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mahalanobis classification system (MCS) integrated with binary particle swarm optimization for robust quality classification of complex metallic turbine blades. Mechanical Systems and Signal Processing, 2021, 146, 107060.	8.0	23
2	Experimental strain modal analysis for beam-like structure by using distributed fiber optics and its damage detection. Measurement Science and Technology, 2017, 28, 074001.	2.6	22
3	An analytical perspective about structural damage identification based on transmissibility function. Structural Health Monitoring, 2020, 19, 142-155.	7.5	16
4	A novel multi-classifier information fusion based on Dempsterâ€“Shafer theory: application to vibration-based fault detection. Structural Health Monitoring, 0, , 147592172110071.	7.5	14
5	An output-only ARX model-based sensor fusion framework on structural dynamic measurements using distributed optical fiber sensors and fiber Bragg grating sensors. Mechanical Systems and Signal Processing, 2021, 152, 107439.	8.0	12
6	Damage Detection Based on Strain Transmissibility for Beam Structure by Using Distributed Fiber Optics. Conference Proceedings of the Society for Experimental Mechanics, 2017, , 27-40.	0.5	7
7	Quality inspection of complex-shaped metal parts by vibrations and an integrated Mahalanobis classification system. Structural Health Monitoring, 2021, 20, 3075-3091.	7.5	7
8	Calibrating static measurement data from distributed fiber optics by the integration of limited FBG sensors based on the extended kernel regression method. Measurement Science and Technology, 2019, 30, 125102.	2.6	5
9	An ensemble classifier for vibration-based quality monitoring. Mechanical Systems and Signal Processing, 2022, 165, 108341.	8.0	5
10	On the Influence of Reference Mahalanobis Distance Space for Quality Classification of Complex Metal Parts Using Vibrations. Applied Sciences (Switzerland), 2020, 10, 8620.	2.5	4
11	Data-driven predicting the ignition of polymer-bonded explosives with heterogeneous microcracks. Journal of Energetic Materials, 0, , 1-28.	2.0	3
12	CNN-DST: Ensemble deep learning based on Dempsterâ€“Shafer theory for vibration-based fault recognition. Structural Health Monitoring, 2022, 21, 2063-2082.	7.5	3
13	A fast technique using output only to localize and quantify multiple damages for multi-degree-of-freedom systems. Structural Health Monitoring, 2021, 20, 321-338.	7.5	2
14	The Finite Element and Experimental Analysis of the Natural Frequency of the Cantilever Sheet and Model Verification Based on Levy Method. Applied Mechanics and Materials, 0, 344, 132-135.	0.2	1
15	Integrated interval Mahalanobis classification system for the quality classification of turbine blades based on vibrational data incorporating measurement uncertainty. Structural Health Monitoring, 0, , 147592172210763.	7.5	0