Liang-Liang Cheng

List of Publications by Year
in descending order

15 papers	124 citations	1684188 5 h-index	1372567 10 g-index
16 all docs	16 docs citations	16 times ranked	87 citing authors

#	Article	IF	Citations
1	An ensemble classifier for vibration-based quality monitoring. Mechanical Systems and Signal Processing, 2022, 165, 108341.	8.0	5
2	CNN-DST: Ensemble deep learning based on Dempster–Shafer theory for vibration-based fault recognition. Structural Health Monitoring, 2022, 21, 2063-2082.	7.5	3
3	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
4	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
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	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
7	An analytical perspective about structural damage identification based on transmissibility function. Structural Health Monitoring, 2020, 19, 142-155.	7.5	16
8	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
9	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
10	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
11	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
12	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
13	Data-driven predicting the ignition of polymer-bonded explosives with heterogeneous microcracks. Journal of Energetic Materials, 0, , 1-28.	2.0	3
14	A novel multi-classifier information fusion based on Dempster–Shafer theory: application to vibration-based fault detection. Structural Health Monitoring, 0, , 147592172110071.	7.5	14
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