Ching-Yuan Chang

List of Publications by Year
in descending order

15 papers	134 citations	1478505 6 h-index	1199594 12 g-index
15 all docs	15 docs citations	15 times ranked	125 citing authors

#	Article	IF	Citations
1	In-situ strain measurement of shape memory alloy fiber during the austenitic and martensitic phase transformation. Smart Materials and Structures, 2021, 30, 094001.	3.5	1
2	Non-contact measurement of inter-story drift in three-layer RC structure under seismic vibration using digital image correlation. Mechanical Systems and Signal Processing, 2020, 136, 106500.	8.0	20
3	Electrical Tunable PVDF/Graphene Membrane for Controlled Molecule Separation. Chemistry of Materials, 2020, 32, 5750-5758.	6.7	39
4	In-situ measurements of strain distribution by coupling digital image correlation and an optical microscope. Microsystem Technologies, 2020, , 1.	2.0	0
5	Real-Time Evaluation of the Mechanical Performance and Residual Life of a Notching Mold using Embedded PVDF Sensors and SVM Criteria. Sensors, 2019, 19, 5123.	3.8	2
6	In Situ Diagnosis of Industrial Motors by Using Vision-Based Smart Sensing Technology. Sensors, 2019, 19, 5340.	3.8	7
7	Theoretical analysis based on fundamental functions of thin plate and experimental measurement for vibration characteristics of a plate coupled with liquid. Journal of Sound and Vibration, 2017, 394, 545-574.	3.9	29
8	Increasing the computational efficient of digital cross correlation by a vectorization method. Mechanical Systems and Signal Processing, 2017, 92, 293-314.	8.0	12
9	Full-field Measurement of Deformation and Vibration using Digital Image Correlation. Smart Science, 2015, 3, 80-86.	3.2	2
10	Improving image-quality of interference fringes of out-of-plane vibration using temporal speckle pattern interferometry and standard deviation for piezoelectric plates. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2013, 60, 1412-1423.	3.0	4
11	Rapid inspection method for measuring interior tilt and decenter in singlet lens. Applied Optics, 2013, 52, B70.	1.8	3
12	Measurement of resonant mode of piezoelectric thin plate using speckle interferometry and frequency-sweeping function. Review of Scientific Instruments, 2012, 83, 095004.	1.3	1
13	High-resolution electronic interferometry for the measurement of in-plane vibration. Applied Optics, 2012, 51, 5773.	1.8	6
14	Mode-shape measurement of piezoelectric plate using temporal speckle pattern interferometry and temporal standard deviation. Optics Letters, 2011, 36, 4281.	3.3	7
15	In Situ labeling and monitoring technology based on projector-camera synchronization for humanâ€“machine collaboration. International Journal of Advanced Manufacturing Technology, 0, , 1.	3.0	1