

# Ching-Yuan Chang

## List of Publications by Year in descending order

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Version: 2024-02-01

15  
papers

134  
citations

1478458

6  
h-index

1199563

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. <i>Smart Materials and Structures</i> , 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. <i>Mechanical Systems and Signal Processing</i> , 2020, 136, 106500.	8.0	20
3	Electrical Tunable PVDF/Graphene Membrane for Controlled Molecule Separation. <i>Chemistry of Materials</i> , 2020, 32, 5750-5758.	6.7	39
4	In-situ measurements of strain distribution by coupling digital image correlation and an optical microscope. <i>Microsystem Technologies</i> , 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. <i>Sensors</i> , 2019, 19, 5123.	3.8	2
6	In Situ Diagnosis of Industrial Motors by Using Vision-Based Smart Sensing Technology. <i>Sensors</i> , 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. <i>Journal of Sound and Vibration</i> , 2017, 394, 545-574.	3.9	29
8	Increasing the computational efficient of digital cross correlation by a vectorization method. <i>Mechanical Systems and Signal Processing</i> , 2017, 92, 293-314.	8.0	12
9	Full-field Measurement of Deformation and Vibration using Digital Image Correlation. <i>Smart Science</i> , 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. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2013, 60, 1412-1423.	3.0	4
11	Rapid inspection method for measuring interior tilt and decenter in singlet lens. <i>Applied Optics</i> , 2013, 52, B70.	1.8	3
12	Measurement of resonant mode of piezoelectric thin plate using speckle interferometry and frequency-sweeping function. <i>Review of Scientific Instruments</i> , 2012, 83, 095004.	1.3	1
13	High-resolution electronic interferometry for the measurement of in-plane vibration. <i>Applied Optics</i> , 2012, 51, 5773.	1.8	6
14	Mode-shape measurement of piezoelectric plate using temporal speckle pattern interferometry and temporal standard deviation. <i>Optics Letters</i> , 2011, 36, 4281.	3.3	7
15	In Situ labeling and monitoring technology based on projector-camera synchronization for human-machine collaboration. <i>International Journal of Advanced Manufacturing Technology</i> , 0, , 1.	3.0	1