

Ting Yu Hsu

List of Publications by Year in descending order

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34
papers

479
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citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Onsite Early Prediction of PGA Using CNN With Multi-Scale and Multi-Domain P-Waves as Input. <i>Frontiers in Earth Science</i> , 2021, 9, . | 0.8 | 13 |
| 2 | Numerical study on smart sloped rolling-type seismic isolators integrated with early prediction of peak velocity. <i>Engineering Structures</i> , 2021, 246, 113032. | 2.6 | 2 |
| 3 | The Realization of an Earthquake Early Warning System for Schools and Its Performance during the 2019 M _L 6.3 Hualien (Taiwan) Earthquake. <i>Seismological Research Letters</i> , 2021, 92, 342-351. | 0.8 | 9 |
| 4 | Earthquake Early Warning Systems in Taiwan: Current Status. <i>Journal of the Geological Society of India</i> , 2021, 97, 1525-1532. | 0.5 | 13 |
| 5 | Continuous structural health monitoring of the Sayano-Shushenskaya Dam using off-site seismic station data accounting for environmental effects. <i>Measurement Science and Technology</i> , 2020, 31, 015801. | 1.4 | 11 |
| 6 | Analysis of Environmental and Typhoon Effects on Modal Frequencies of a Power Transmission Tower. <i>Sensors</i> , 2020, 20, 5169. | 2.1 | 3 |
| 7 | On-Site Earthquake Early Warning Using Smartphones. <i>Sensors</i> , 2020, 20, 2928. | 2.1 | 9 |
| 8 | A Stand-Alone Smart Camera System for Online Post-Earthquake Building Safety Assessment. <i>Sensors</i> , 2020, 20, 3374. | 2.1 | 3 |
| 9 | PDP method to compensate for rotational effect when using a single surveillance camera for interstory drift measurement. <i>Measurement Science and Technology</i> , 2020, 31, 095902. | 1.4 | 3 |
| 10 | Transfer function-based Bayesian damage detection under seismic excitation. <i>Structural Design of Tall and Special Buildings</i> , 2019, 28, e1619. | 0.9 | 7 |
| 11 | Development of a Data-Mining Technique for Regional-Scale Evaluation of Building Seismic Vulnerability. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1502. | 1.3 | 12 |
| 12 | Damage detection of a thin plate using modal curvature via macrostrain measurement. <i>Earthquake Engineering and Engineering Vibration</i> , 2019, 18, 409-424. | 1.1 | 13 |
| 13 | Damage detection of rotating wind turbine blades using local flexibility method and long-gauge fiber Bragg grating sensors. <i>Measurement Science and Technology</i> , 2018, 29, 015108. | 1.4 | 17 |
| 14 | Comparing the Performance of the NEEWS Earthquake Early Warning System Against the CWB System During the 6 February 2018 <i>M</i> _w 6.2 Hualien Earthquake. <i>Geophysical Research Letters</i> , 2018, 45, 6001-6007. | 1.5 | 29 |
| 15 | Evaluating Post-Earthquake Building Safety Using Economical MEMS Seismometers. <i>Sensors</i> , 2018, 18, 1437. | 2.1 | 23 |
| 16 | Application of Bayesian statistical method in sensitivity-based seismic damage identification of structures: Numerical and experimental validation. <i>Structural Health Monitoring</i> , 2018, 17, 1255-1276. | 4.3 | 5 |
| 17 | An integrated earthquake early warning system and its performance at schools in Taiwan. <i>Journal of Seismology</i> , 2017, 21, 165-180. | 0.6 | 7 |
| 18 | Damage detection for beam structures based on local flexibility method and macro-strain measurement. <i>Smart Structures and Systems</i> , 2017, 19, 393-402. | 1.9 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Two Novel Approaches to Reduce False Alarm Due to Non- <i>on-site</i> Earthquake Events for <i>on-site</i> Earthquake Early Warning System. Computer-Aided Civil and Infrastructure Engineering, 2016, 31, 535-549. | 6.3 | 12 |
| 20 | Performance of the NCEE's <i>on-site</i> warning system during the 5 February 2016 <i>M_w</i> 6.53 Meinong earthquake. Geophysical Research Letters, 2016, 43, 8954-8959. | 1.5 | 25 |
| 21 | Application of the low-cost MEMS-type seismometer for structural health monitoring: A pre-study. , 2016, , . | | 5 |
| 22 | A pseudo local flexibility method for damage detection in hyperstatic beams. Structural Control and Health Monitoring, 2015, 22, 682-693. | 1.9 | 4 |
| 23 | The Pseudo Local Flexibility Method for Hyper-static Beams: An Experimental Study. Procedia Engineering, 2014, 79, 550-554. | 1.2 | 0 |
| 24 | Rapid on-site peak ground acceleration estimation based on support vector regression and P-wave features in Taiwan. Soil Dynamics and Earthquake Engineering, 2013, 49, 210-217. | 1.9 | 30 |
| 25 | A frequency response function change method for damage localization and quantification in a shear building under ground excitation. Earthquake Engineering and Structural Dynamics, 2013, 42, 653-668. | 2.5 | 10 |
| 26 | Porous Organic TFTs for the Applications on Real-Time and Sensitive Gas Sensors. IEEE Electron Device Letters, 2011, 32, 1143-1145. | 2.2 | 27 |
| 27 | Stable Encapsulated Organic TFT With a Spin-Coated Poly(4-Vinylphenol-Co-Methyl Methacrylate) Dielectric. IEEE Electron Device Letters, 2011, 32, 1131-1133. | 2.2 | 24 |
| 28 | On-line structural damage localization and quantification using wireless sensors. Smart Materials and Structures, 2011, 20, 105025. | 1.8 | 20 |
| 29 | A damage detection algorithm integrated with a wireless sensing system. Journal of Physics: Conference Series, 2011, 305, 012042. | 0.3 | 5 |
| 30 | Application of advanced statistical methods for extracting long-term trends in static monitoring data from an arch dam. Structural Health Monitoring, 2011, 10, 587-601. | 4.3 | 60 |
| 31 | Damage detection accommodating nonlinear environmental effects by nonlinear principal component analysis. Structural Control and Health Monitoring, 2009, 17, n/a-n/a. | 1.9 | 21 |
| 32 | Damage detection using frequency response functions under ground excitation. Proceedings of SPIE, 2009, , . | 0.8 | 1 |
| 33 | Damage Diagnosis of Frame Structures Using Modified Modal Strain Energy Change Method. Journal of Engineering Mechanics - ASCE, 2008, 134, 1000-1012. | 1.6 | 21 |
| 34 | Experimental Study of Isolated Building under Triaxial Ground Excitations. Journal of Structural Engineering, 2000, 126, 879-886. | 1.7 | 32 |