

Siu Chun Michael Ho

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,132
citations

430874

18
h-index

610901

24
g-index

25
all docs

25
docs citations

25
times ranked

800
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel Fractal Contact-Electromechanical Impedance Model for Quantitative Monitoring of Bolted Joint Looseness. <i>IEEE Access</i> , 2018, 6, 40212-40220.	4.2	129
2	Monitoring Concrete Deterioration Due to Reinforcement Corrosion by Integrating Acoustic Emission and FBG Strain Measurements. <i>Sensors</i> , 2017, 17, 657.	3.8	114
3	Tapping and listening: a new approach to bolt looseness monitoring. <i>Smart Materials and Structures</i> , 2018, 27, 07LT02.	3.5	102
4	A Review of Rock Bolt Monitoring Using Smart Sensors. <i>Sensors</i> , 2017, 17, 776.	3.8	98
5	Interfacial debonding detection in fiber-reinforced polymer rebar-reinforced concrete using electro-mechanical impedance technique. <i>Structural Health Monitoring</i> , 2018, 17, 461-471.	7.5	85
6	Modeling and analysis of an impact-acoustic method for bolt looseness identification. <i>Mechanical Systems and Signal Processing</i> , 2019, 133, 106249.	8.0	72
7	Real time bolt preload monitoring using piezoceramic transducers and time reversal technique—a numerical study with experimental verification. <i>Smart Materials and Structures</i> , 2016, 25, 085015.	3.5	65
8	Feasibility study of using smart aggregates as embedded acoustic emission sensors for health monitoring of concrete structures. <i>Smart Materials and Structures</i> , 2016, 25, 115031.	3.5	62
9	Monitoring of early looseness of multi-bolt connection: a new entropy-based active sensing method without saturation. <i>Smart Materials and Structures</i> , 2019, 28, 10LT01.	3.5	51
10	Acoustic emission monitoring and finite element analysis of debonding in fiber-reinforced polymer rebar reinforced concrete. <i>Structural Health Monitoring</i> , 2017, 16, 674-681.	7.5	46
11	Design of a New Stress Wave-Based Pulse Position Modulation (PPM) Communication System with Piezoceramic Transducers. <i>Sensors</i> , 2019, 19, 558.	3.8	43
12	Underwater pipeline impact localization using piezoceramic transducers. <i>Smart Materials and Structures</i> , 2017, 26, 107002.	3.5	40
13	Application of support vector machine for pattern classification of active thermometry-based pipeline scour monitoring. <i>Structural Control and Health Monitoring</i> , 2015, 22, 903-918.	4.0	31
14	Experimental Study on Vibration Control of Suspended Piping System by Single-Sided Pounding Tuned Mass Damper. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 285.	2.5	30
15	Scour Monitoring System Using Fiber Bragg Grating Sensors and Water-Swellable Polymers. <i>Journal of Bridge Engineering</i> , 2017, 22, .	2.9	27
16	FBG Sensor for Contact Level Monitoring and Prediction of Perforation in Cardiac Ablation. <i>Sensors</i> , 2012, 12, 1002-1013.	3.8	26
17	Design and control performance of a frictional tuned mass damper with bearing-shaft assemblies. <i>JVC/Journal of Vibration and Control</i> , 2019, 25, 1812-1822.	2.6	20
18	A Novel Embeddable Tubular Piezoceramics-Based Smart Aggregate for Damage Detection in Two-Dimensional Concrete Structures. <i>Sensors</i> , 2019, 19, 1501.	3.8	20

#	ARTICLE	IF	CITATIONS
19	Implementation of Shape Memory Alloy Sponge as Energy Dissipating Material on Pounding Tuned Mass Damper: An Experimental Investigation. Applied Sciences (Switzerland), 2019, 9, 1079.	2.5	17
20	Feasibility study of a touch-enabled active sensing approach to inspecting subsea bolted connections using piezoceramic transducers. Smart Materials and Structures, 2020, 29, 085038.	3.5	17
21	Wireless energy harvesting using time reversal technique: An experimental study with numerical verification. Journal of Intelligent Material Systems and Structures, 2017, 28, 2705-2716.	2.5	16
22	Negative Pressure Waves Based High Resolution Leakage Localization Method Using Piezoceramic Transducers and Multiple Temporal Convolutions. Sensors, 2019, 19, 1990.	3.8	11
23	Modified Leakage Rate Calculation Models of Natural Gas Pipelines. Mathematical Problems in Engineering, 2020, 2020, 1-10.	1.1	6
24	Structures in Challenging Environments: Dynamics, Controls, Smart Structures, Health Monitoring, and Sensors. , 2016, , .		2
25	Structural Damage Detection and Health Monitoring. Applied Sciences (Switzerland), 2019, 9, 4027.	2.5	2