

Yabin Liang

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

697
citations

623734

14
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752698

20
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21
all docs

21
docs citations

21
times ranked

417
citing authors

#	ARTICLE	IF	CITATIONS
1	Proof-of-concept study of monitoring bolt connection status using a piezoelectric based active sensing method. <i>Smart Materials and Structures</i> , 2013, 22, 087001.	3.5	124
2	Inspection and monitoring systems subsea pipelines: A review paper. <i>Structural Health Monitoring</i> , 2020, 19, 606-645.	7.5	109
3	Tapping and listening: a new approach to bolt looseness monitoring. <i>Smart Materials and Structures</i> , 2018, 27, 07LT02.	3.5	102
4	An exploratory study of stress wave communication in concrete structures. <i>Smart Structures and Systems</i> , 2015, 15, 135-150.	1.9	45
5	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
6	Modeling of the attenuation of stress waves in concrete based on the Rayleigh damping model using time-reversal and PZT transducers. <i>Smart Materials and Structures</i> , 2017, 26, 105030.	3.5	41
7	Load Monitoring of the Pin-Connected Structure Using Time Reversal Technique and Piezoceramic Transducers—A Feasibility Study. <i>IEEE Sensors Journal</i> , 2016, 16, 7958-7966.	4.7	34
8	Design of a Novel Wearable Sensor Device for Real-Time Bolted Joints Health Monitoring. <i>IEEE Internet of Things Journal</i> , 2018, 5, 5307-5316.	8.7	33
9	Monitoring of Pre-Load on Rock Bolt Using Piezoceramic-Transducer Enabled Time Reversal Method. <i>Sensors</i> , 2017, 17, 2467.	3.8	28
10	Health monitoring of cuplok scaffold joint connection using piezoceramic transducers and time reversal method. <i>Smart Materials and Structures</i> , 2016, 25, 035010.	3.5	25
11	Detection of sand deposition in pipeline using percussion, voice recognition, and support vector machine. <i>Structural Health Monitoring</i> , 2020, 19, 2075-2090.	7.5	25
12	Grouting monitoring of post-tensioning tendon duct using PZT enabled time-reversal method. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018, 122, 513-521.	5.0	19
13	Method for Rapid Impact Localization for Subsea Structures. <i>IEEE Sensors Journal</i> , 2018, 18, 3554-3563.	4.7	16
14	Loosening Monitoring of the Threaded Pipe Connection Using Time Reversal Technique and Piezoceramic Transducers. <i>Sensors</i> , 2018, 18, 2280.	3.8	16
15	Time reversal damage localization in concrete based on two-dimensional meso-scale modeling. <i>Structural Health Monitoring</i> , 2021, 20, 188-201.	7.5	10
16	Feasibility Study of Real-Time Monitoring of Pin Connection Wear Using Acoustic Emission. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1775.	2.5	9
17	A feasibility study on monitoring of weld fatigue crack growth based on coda wave interferometry (CW). <i>Smart Materials and Structures</i> , 2021, 30, 095013.	3.5	9
18	Wear Degree Quantification of Pin Connections Using Parameter-Based Analyses of Acoustic Emissions. <i>Sensors</i> , 2018, 18, 3503.	3.8	4

#	ARTICLE	IF	CITATIONS
19	A power waveform design based on OVSF-PPM for stress wave based wireless power transfer. Mechanical Systems and Signal Processing, 2021, 147, 107111.	8.0	3
20	Axial Load Monitoring for Concrete Columns Using a Wearable Smart Hoop Based on the Piezoelectric Impedance Frequency Shift: A Feasibility Study. Advances in Civil Engineering, 2020, 2020, 1-12.	0.7	1
21	Development of piezoelectric-based technology for application in civil structural health monitoring. Earthquake Research Advances, 2023, 3, 100154.	2.2	1