

# Yabin Liang

## List of Publications by Year in descending order

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21  
papers

697  
citations

623734

14  
h-index

752698

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g-index

21  
all docs

21  
docs citations

21  
times ranked

417  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of piezoelectric-based technology for application in civil structural health monitoring. Earthquake Research Advances, 2023, 3, 100154.	2.2	1
2	Time reversal damage localization in concrete based on two-dimensional meso-scale modeling. Structural Health Monitoring, 2021, 20, 188-201.	7.5	10
3	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
4	A feasibility study on monitoring of weld fatigue crack growth based on coda wave interferometry (CWI). Smart Materials and Structures, 2021, 30, 095013.	3.5	9
5	Inspection and monitoring systems subsea pipelines: A review paper. Structural Health Monitoring, 2020, 19, 606-645.	7.5	109
6	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
7	Detection of sand deposition in pipeline using percussion, voice recognition, and support vector machine. Structural Health Monitoring, 2020, 19, 2075-2090.	7.5	25
8	Design of a New Stress Wave-Based Pulse Position Modulation (PPM) Communication System with Piezoceramic Transducers. Sensors, 2019, 19, 558.	3.8	43
9	Method for Rapid Impact Localization for Subsea Structures. IEEE Sensors Journal, 2018, 18, 3554-3563.	4.7	16
10	Feasibility Study of Real-Time Monitoring of Pin Connection Wear Using Acoustic Emission. Applied Sciences (Switzerland), 2018, 8, 1775.	2.5	9
11	Wear Degree Quantification of Pin Connections Using Parameter-Based Analyses of Acoustic Emissions. Sensors, 2018, 18, 3503.	3.8	4
12	Design of a Novel Wearable Sensor Device for Real-Time Bolted Joints Health Monitoring. IEEE Internet of Things Journal, 2018, 5, 5307-5316.	8.7	33
13	Loosening Monitoring of the Threaded Pipe Connection Using Time Reversal Technique and Piezoceramic Transducers. Sensors, 2018, 18, 2280.	3.8	16
14	Tapping and listening: a new approach to bolt looseness monitoring. Smart Materials and Structures, 2018, 27, 07LT02.	3.5	102
15	Grouting monitoring of post-tensioning tendon duct using PZT enabled time-reversal method. Measurement: Journal of the International Measurement Confederation, 2018, 122, 513-521.	5.0	19
16	Modeling of the attenuation of stress waves in concrete based on the Rayleigh damping model using time-reversal and PZT transducers. Smart Materials and Structures, 2017, 26, 105030.	3.5	41
17	Monitoring of Pre-Load on Rock Bolt Using Piezoceramic-Transducer Enabled Time Reversal Method. Sensors, 2017, 17, 2467.	3.8	28
18	Load Monitoring of the Pin-Connected Structure Using Time Reversal Technique and Piezoceramic Transducers—A Feasibility Study. IEEE Sensors Journal, 2016, 16, 7958-7966.	4.7	34

#	ARTICLE	IF	CITATIONS
19	Health monitoring of cuplok scaffold joint connection using piezoceramic transducers and time reversal method. Smart Materials and Structures, 2016, 25, 035010.	3.5	25
20	An exploratory study of stress wave communication in concrete structures. Smart Structures and Systems, 2015, 15, 135-150.	1.9	45
21	Proof-of-concept study of monitoring bolt connection status using a piezoelectric based active sensing method. Smart Materials and Structures, 2013, 22, 087001.	3.5	124