

Shi Yan

List of Publications by Year in descending order

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19
papers

280
citations

1163117

8
h-index

996975

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all docs

19
docs citations

19
times ranked

260
citing authors

#	ARTICLE	IF	CITATIONS
1	Rebar Local Corrosion Monitoring of RC Structures Based on Fractal Characteristics of Piezoelectric Guided Waves. Lecture Notes in Civil Engineering, 2021, , 569-579.	0.4	0
2	MECHANICAL MODELING AND EXPERIMENTAL VALIDATION ON PIEZOCERAMIC BASED ON THE SURFACE-BONDED PZT SENSOR. Surface Review and Letters, 2019, 26, 1850209.	1.1	2
3	Connection looseness detection of steel grid structures using piezoceramic transducers. International Journal of Distributed Sensor Networks, 2018, 14, 155014771875923.	2.2	5
4	Pipeline Damage Detection Using Piezoceramic Transducers: Numerical Analyses with Experimental Validation. Sensors, 2018, 18, 2106.	3.8	18
5	Interfacial damage identification of steel and concrete composite beams based on piezoceramic wave method. Journal of Applied Biomaterials and Functional Materials, 2018, 16, 70-80.	1.6	6
6	PZT-Based Ultrasonic Guided Wave Frequency Dispersion Characteristics of Tubular Structures for Different Interfacial Boundaries. Sensors, 2018, 18, 4111.	3.8	16
7	Development and Application of a Structural Health Monitoring System Based on Wireless Smart Aggregates. Sensors, 2017, 17, 1641.	3.8	65
8	PZT-Based Detection of Compactness of Concrete in Concrete Filled Steel Tube Using Time Reversal Method. Mathematical Problems in Engineering, 2014, 2014, 1-11.	1.1	12
9	A Bridge Health Monitoring System Based on Wireless Smart Aggregates. Applied Mechanics and Materials, 2014, 578-579, 1138-1144.	0.2	2
10	Development and Application of Structural Health Monitoring System Based on Piezoelectric Sensors. International Journal of Distributed Sensor Networks, 2013, 9, 270927.	2.2	13
11	Experimental Research on Passive Control of Steel Frame Structure Using SMA Wires. Mathematical Problems in Engineering, 2013, 2013, 1-12.	1.1	14
12	Statistical algorithm for damage detection of concrete beams based on piezoelectric smart aggregate. Transactions of Tianjin University, 2012, 18, 432-440.	6.4	4
13	Research on damage passive monitoring of eccentric compression concrete columns based on piezoelectric sensors. , 2011, , .		1
14	Pseudo-dynamic test and numerical simulation of high-strength concrete frame structure reinforced with high-strength rebars. Earthquake Engineering and Engineering Vibration, 2011, 10, 303-311.	2.3	9
15	The Theoretical Study of a Mechanical Model for Bonded PZT Actuator. Applied Mechanics and Materials, 2011, 94-96, 892-895.	0.2	1
16	Health monitoring of reinforced concrete shear walls using smart aggregates. Smart Materials and Structures, 2009, 18, 047001.	3.5	92
17	Health monitoring strategy for smart piezoelectric concrete structures. Proceedings of SPIE, 2008, , .	0.8	3
18	Numerical Simulation for Concrete Structure Health Monitoring Based on Smart Piezoelectric Transducer Array. Advances in Science and Technology, 0, , .	0.2	14

#	ARTICLE	IF	CITATIONS
19	Dynamic Mechanical Model of Surface-Bonded PZT Actuator: Theory and Experiment. Applied Mechanics and Materials, 0, 303-306, 1732-1735.	0.2	3