

Jianting Zhou

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

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566801

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#	ARTICLE	IF	CITATIONS
1	Corrosion non-destructive testing of loaded steel strand based on self-magnetic flux leakage effect. <i>Nondestructive Testing and Evaluation</i> , 2022, 37, 56-70.	1.1	10
2	Quantitative Detection of Corroded Reinforced Concrete of Different Sizes Based on SMFL. <i>KSCE Journal of Civil Engineering</i> , 2022, 26, 143-154.	0.9	7
3	Research on Corrosion Circumferential Area Characterization for Steel Cable Bundle Based on Metal Magnetic Memory. <i>Journal of Materials Engineering and Performance</i> , 2022, 31, 2732-2742.	1.2	4
4	Experimental Study on Bearing Capacity of Corroded Reinforced Concrete Arch Considering Material Degradation. <i>Frontiers in Materials</i> , 2022, 9, .	1.2	1
5	Rock dynamic fracture of a novel semi-circular-disk specimen. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2022, 152, 105047.	2.6	5
6	Magnetic memory detection of corroded reinforced concrete considering the influence of tensile load. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2022, 68, 483-499.	0.3	0
7	Design and Experiment of an Automatic Temperature Control Device of Composite Shape-Stabilized Phase Change Material for Concrete Box Bridges. <i>KSCE Journal of Civil Engineering</i> , 2022, 26, 806-823.	0.9	0
8	Initiation and Fracture Characteristics of Different Width Cracks of Concretes under Compressional Loading. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 4803.	1.3	0
9	Bridge deformation prediction based on SHM data using improved VMD and conditional KDE. <i>Engineering Structures</i> , 2022, 261, 114285.	2.6	58
10	Fast identification of random loads using the transmissibility of power spectral density and improved adaptive multiplicative regularization. <i>Journal of Sound and Vibration</i> , 2022, 534, 117033.	2.1	14
11	Theoretical analysis and experimental verification of magneto-mechanical effect for loaded ferromagnetic structure with initial corrosion. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 559, 169541.	1.0	4
12	Study on the Shear Strength of Root-Soil Composite and Root Reinforcement Mechanism. <i>Forests</i> , 2022, 13, 898.	0.9	7
13	Aerodynamic Forces on a Bluff Cylinder in Sinusoidal Streamwise Winds with Different Angles of Attack. <i>Buildings</i> , 2022, 12, 1033.	1.4	2
14	Research on the Detection of the Broken Wire Damage of a Cable in the Circumferential Directions Based on Self-magnetic Flux Leakage. <i>KSCE Journal of Civil Engineering</i> , 2021, 25, 879-890.	0.9	4
15	Study on Bending Performance of Epoxy Adhesive Prefabricated UHPC-Steel Composite Bridge Deck. <i>Advances in Civil Engineering</i> , 2021, 2021, 1-16.	0.4	6
16	Structural analysis and improvement for a new form traveler in long-span cantilever-casting arch bridge. <i>Advances in Mechanical Engineering</i> , 2021, 13, 168781402110099.	0.8	2
17	Linear Control Method for Arch Ring of Oblique-Stayed Buckle Cantilever Pouring Reinforced Concrete Arch Bridge. <i>Advances in Civil Engineering</i> , 2021, 2021, 1-14.	0.4	1
18	Characteristics of Typhoon "Fung-Wong" Near Earth Pulsation. <i>Shock and Vibration</i> , 2021, 2021, 1-12.	0.3	3

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19	Damage Identification of Long-Span Bridges Using the Hybrid of Convolutional Neural Network and Long Short-Term Memory Network. <i>Algorithms</i> , 2021, 14, 180.	1.2	14
20	An SMFL-based non-destructive quantification method for the localized corrosion cross-sectional area of rebar. <i>Corrosion Science</i> , 2021, 192, 109793.	3.0	22
21	Influence of cable tension history on the monitoring of cable tension using magnetoelastic inductance method. <i>Structural Health Monitoring</i> , 2021, 20, 3392-3405.	4.3	10
22	Seismic Analysis Method for Underground Structure in Loess Area Based on the Modified Displacement-Based Method. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11245.	1.3	3
23	Train-Bridge Dynamic Behaviour of Long-Span Asymmetrical-Stiffness Cable-Stayed Bridge. <i>Shock and Vibration</i> , 2021, 2021, 1-15.	0.3	0
24	Permanent deformation limits of long-span track cable-stayed bridges based on service performance analysis. <i>Journal of Low Frequency Noise Vibration and Active Control</i> , 2020, , 146134842097012.	1.3	1
25	Cracking characteristics and pore development in concrete due to physical attack. <i>Materials and Structures/Materiaux Et Constructions</i> , 2020, 53, 1.	1.3	8
26	Experiment on the Segment Model of a Plain Concrete Arch Bridge Reinforced with UHPC Composite Arch Circle. <i>Advances in Civil Engineering</i> , 2020, 2020, 1-14.	0.4	2
27	A Study on the Performance Evaluation of the Corroded Steel Cable by Safety Factor Based on the Strength Condition. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 2227-2234.	1.2	1
28	Autoregressive Model-Based Structural Damage Identification and Localization Using Convolutional Neural Networks. <i>KSCE Journal of Civil Engineering</i> , 2020, 24, 2173-2185.	0.9	17
29	Statistical quantitative evaluation of bending strength of corroded RC beams via SMFL technique. <i>Engineering Structures</i> , 2020, 209, 110168.	2.6	18
30	Relation between the shear stress distribution and the resulting acoustic emission variation in concrete beams. <i>Structural Control and Health Monitoring</i> , 2020, 27, e2528.	1.9	14
31	Parameters That Influence Corrosion Detection in Reinforced Concrete Based on Eddy Current Thermography. <i>Advances in Civil Engineering</i> , 2020, 2020, 1-9.	0.4	2
32	Cable Tension Monitoring Based on the Elasto-Magnetic Effect and the Self-Induction Phenomenon. <i>Materials</i> , 2019, 12, 2230.	1.3	17
33	A New Method for Internal Force Detection of Steel Bars Covered by Concrete Based on the Metal Magnetic Memory Effect. <i>Metals</i> , 2019, 9, 661.	1.0	8
34	Relationship between shear-stress distribution and resulting acoustic-emission variation along concrete joints in prefabricated girder structures. <i>Engineering Structures</i> , 2019, 196, 109319.	2.6	11
35	Quantitative Evaluation of Corrosion Degrees of Steel Bars Based on Self-Magnetic Flux Leakage. <i>Metals</i> , 2019, 9, 952.	1.0	11
36	Bearing Capacity Model of Corroded RC Eccentric Compression Columns Based on Hermite Interpolation and Fourier Fitting. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 24.	1.3	18

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37	Research on Internal Force Detection Method of Steel Bar in Elastic and Yielding Stage Based on Metal Magnetic Memory. <i>Materials</i> , 2019, 12, 1167.	1.3	13
38	Structural Behavior of Ultrahigh-Performance Fiber-Reinforced Concrete Thin-Walled Arch Subjected to Asymmetric Load. <i>Advances in Civil Engineering</i> , 2019, 2019, 1-12.	0.4	7
39	Experimental analysis of the correlation between bending strength and SMFL of corroded RC beams. <i>Construction and Building Materials</i> , 2019, 214, 594-605.	3.2	27
40	Experimental Study on Corrosion of Unstressed Steel Strand based on Metal Magnetic Memory. <i>KSCE Journal of Civil Engineering</i> , 2019, 23, 1320-1329.	0.9	19
41	Non-Destructive Testing of Steel Corrosion Fluctuation Parameters Based on Spontaneous Magnetic Flux Leakage and Its Relationship with Steel Bar Diameter. <i>Materials</i> , 2019, 12, 4116.	1.3	10
42	Operational modal analysis of rigid frame bridge with data from navigation satellite system measurements. <i>Cluster Computing</i> , 2019, 22, 5535-5545.	3.5	3
43	Stress Measurement of Steel Strands Based on System Identification Method. <i>Shock and Vibration</i> , 2019, 2019, 1-10.	0.3	1
44	Bridge Structure Deformation Prediction Based on GNSS Data Using Kalman-ARIMA-GARCH Model. <i>Sensors</i> , 2018, 18, 298.	2.1	57
45	Quantitative Study on Corrosion of Steel Strands Based on Self-Magnetic Flux Leakage. <i>Sensors</i> , 2018, 18, 1396.	2.1	47
46	Experimental Study on Residual Bending Strength of Corroded Reinforced Concrete Beam Based on Micromagnetic Sensor. <i>Sensors</i> , 2018, 18, 2635.	2.1	16
47	Study of stiffness and bearing capacity degradation of reinforced concrete beams under constant-amplitude fatigue. <i>PLoS ONE</i> , 2018, 13, e0192797.	1.1	8
48	CORROSION DETECTION OF BRIDGE REINFORCED CONCRETE WITH INDUCTION HEATING AND INFRARED THERMOGRAPHY. <i>International Journal of Robotics and Automation</i> , 2018, 33, .	0.1	4
49	A new judging criterion for corrosion testing of reinforced concrete based on self-magnetic flux leakage. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2017, 54, 123-130.	0.3	18
50	Concrete plastic-damage factor for finite element analysis: Concept, simulation, and experiment. <i>Advances in Mechanical Engineering</i> , 2017, 9, 168781401771964.	0.8	37
51	Health Monitoring and Evaluation of Long-Span Bridges Based on Sensing and Data Analysis: A Survey. <i>Sensors</i> , 2017, 17, 603.	2.1	27
52	Research on Fatigue Strain and Fatigue Modulus of Concrete. <i>Advances in Civil Engineering</i> , 2017, 2017, 1-7.	0.4	8
53	EXPERIMENTAL STUDY ON DETECTION OF REBAR CORROSION IN CONCRETE BASED ON METAL MAGNETIC MEMORY. <i>International Journal of Robotics and Automation</i> , 2017, 32, .	0.1	2
54	Fatigue Strain and Damage Analysis of Concrete in Reinforced Concrete Beams under Constant Amplitude Fatigue Loading. <i>Shock and Vibration</i> , 2016, 2016, 1-7.	0.3	10

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55	The Non-Destructive Test of Steel Corrosion in Reinforced Concrete Bridges Using a Micro-Magnetic Sensor. <i>Sensors</i> , 2016, 16, 1439.	2.1	63
56	Alignment control for a long span urban rail-transit cable-stayed bridge considering dynamic train loads. <i>Science China Technological Sciences</i> , 2016, 59, 1759-1770.	2.0	7