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Titolo	Some research results on bridge health monitoring, maintenance and safety : special topic volume with invited peer reviewed papers only // edited by Yang Liu
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Altri autori (Persone)	LiuYang <1955->
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	Some Research Results on Bridge Health Monitoring, Maintenance and Safety; Preface; Table of Contents; Investigation of a Software for Finite Element Model Updating of Bridges Based on Interface Technology between VC++ and MATLAB; Significant Failure Mode Identification for a CFST Arch Bridge System; Analysis of Traveling Wave Effect on Half-Through CFST Arch Bridge by Large Mass Method; Dynamic Amplification Factor Measuring of T-Girder Bridges; Resistance and Time-Variant Reliability Updating of Existing Bridge Structures Based on Proof Loads Sensor Optimal Placement for Structural Health Monitoring Based on Stabilization DiagramBuffeting Reliability Analysis of Long Span Concrete-Filled Steel Tube Arch Bridge during Construction Stage; Study on Vehicle-Bridge Coupling Vibration of Equal Span Girder Bridge of Different Span Number; Seismic Performance of a Multi-Span RC Highway Bridge with High Damping Rubber Bearings; A Meta-Modeling Procedure for Updating the Finite Element Model of an Arch Bridge Model; A Method for Damage Detection Based on Correlation Characteristic of Acceleration Response Modified Formula of Estimating Fundamental Frequency of Girder

Bridge with Variable Cross-Section  
Experimental Research of Uniaxial  
Compression Bearing Capacity on Large Diameter CFST Columns;  
Experimental Study of Flexural Behavior of RC Beams Strengthening  
with BFRP Sheets; The Length Optimization of Non-Stayed Cable  
Segment to Low-Pylon Cable-Stayed Bridge; Seismic Performance  
Analysis of a Multi-Span Continuous Girder Bridge under Multi-  
Excitation; Impact Analysis of the Flexural Rigidity on the Frequency  
and Tension of the Stay Cable  
Time-Dependent Shear Capability Analysis and its Application of  
Reinforced Concrete Simply-Supported Beam Bridge  
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## Sommario/riassunto

This special topic volume encompasses some aspects of bridge health monitoring, maintenance and safety. Specifically, it deals with: bridge health monitoring; bridge repair and rehabilitation issues; bridge related safety and other implications. The objective was to introduce recent research results in the fields of bridge health monitoring, bridge maintenance and safety from the mainland of China. Review from Book News Inc.: Invited and peer-reviewed, 18 papers describe best practices in monitoring and managing the health of bridges. The examples are from China, but the ideas and methods shou

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