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Altri autori (Persone)	LiH. Y XuB
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Nota di contenuto	Building Materials and Structural Engineering II; Preface, Committees and Sponsors; Table of Contents; Chapter 1: Research on Building Engineering and Building Materials; Study on Crack Prevention Measures of Mass RCC Dams; Study on Experiment of the Wire Rope Composite Anchoring; Research on Color Design in Reconstruction of Architectures Alongside Streets Based on Building Materials; Study on Hydrogeological Investigation and Water Preventing and Draining Technology of Zhongtiaoshan Tunnel Study on Engineering Materials with Optimization Design of Pile-Anchor Support for Foundation Pit Based on Uniform Test and SVM Response Surface Soil Nailing Optimization Design of Foundation Pit Based on Response Surface of SVM Technology; Research on Construction Materials with the Elderly Residence Planning and Design Based on Home Care of the Elderly; Study on Bridge Pile Load Test Status and Existing Problems; Behavior of High-Strength Concrete-Filled FRP Tube Columns under Simulated Seismic Loading: An

## Experimental Study

A Simple Design-Oriented Model for FRP-Confined High-Strength Concrete; Study on Significant Engineering Construction Projects with Building Materials Based on Social Stability Risk Assessment; Research on Application of Iron Tailings on Road Base; Glass-Fibre-Concrete Applied for Building Facade Panels Subjected to Wind Loading Actions; Seismic Vulnerability Assessment of Existing Precast Industrial Buildings; Concrete Reinforced by Glass-Fibre Mesh and Their Efficient Usage in Plated Facade Components Stiffened by Rib  
The Construction Technique of the Beam Slab Structure being Filled Large-Span Prestressed Lightweight Materials; Impact of the Chemical Injection Method on the Dispersion of the Injected Agents in History Masonry of Construction Industry; Study on the Architecture Materials Design of Art and Clothing Materials Design; Analysis of Mechanical Characteristic of Systematic Bolt in Loess Tunnel under the Drawing Load; Numerical Simulation on Indoor Thermal Environment of Radiant Flooring Cooling System with Displacement Ventilation  
Study on Anchor Support Simulation in Deep Mining Based on Tunnel Deformation and Stress; Study on Simulation of Deep Roadway Support Effect Based on Mechanics Analysis and Material Properties; Chapter 2: Structures Engineering; Effect of Vertical Component of Earthquake on the Response of Pure-Friction Base-Isolated Structures; Vertical Motive Performance Test of the Rigid Hinge Expansion Joint of Jiashao Bridge; Study Finite Element Analysis of Monopile Foundation Based on Mechanical Mechanics and Properties of Steel Structure for Offshore Wind Turbines  
Numerical Studies on Friction Stir Welding of Lightweight Materials

## Sommario/riassunto

Collection of selected, peer reviewed papers from the 2013 2nd International Conference on Building Materials and Structural Engineering (BMSE2013), May 24-25, 2013, Beijing, China. The 54 papers are grouped as follows: Chapter 1: Research on Building Engineering and Building Materials; Chapter 2: Structures Engineering; Chapter 3: Research on Applied Materials; Chapter 4: Related Topics. Materials scientists and engineers, but also researchers and practitioners in other fields gathered for BMSE2013 to share findings and problems regarding building materials. The 55 papers selected by peer rev