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Materials in Civil Engineering

Research on Material Properties and Heat Treatment of Clamping Blocks
The Current Situation and Analyze of Huizhou Traditional Architectural Components and Materials to Repair Alternative Techniques; Synthesis of an Intumescent Flame Retardant and its Application to Fireproof Coatings of Steel Structures; Contrastive Analysis on Limitation Span between Suspension Bridge Using Steel and CFRP Cable; The Research about Plastic Cement Playground and Constructed Materials; Simulation and Analysis on Supporting System of Composite Soil Nailing Technology in the Process of Digging
Exploration of the Strategies in Civil Engineering to the Safety Evaluation and Reinforcement Technique of Wood Structure of Ancient Architecture in HuizhouStructural Design on a Building Stair by Folded Steel Plates in Civil Engineering; Test of Solidification Characteristics of Grouting and the Effect on Strata Deformation in Shield Tunnelling; Seismic Damage Analysis and the Study of Reinforcement Measures for RC Frame Structure Building in Civil Engineering
Influence of C/N Ratio on SND and Microbiological Analysis in Catching Bed Biofilm Reactor Using Acrylic Resin Fiber as Carrier Materials in Civil Engineering Study on Reconstruction of Elevation Structural Shape for Historic Industrial Buildings in Chinese Civil Engineering; Bored Pile Settlement Analysis of Pile End Grouting in Civil Engineering; Study on Parameter Optimization of Copper Smelting in Civil Engineering; Cantilever Construction Optimization of Cable-Stayed Bridge with Hybrid Bridge Deck System and Building Materials in Civil Engineering Study on the New-Style Building Materials in Civil Engineering - Architectural Sandwich Panel and its Application

Sommario/riassunto

These are the proceedings of the 2012 International Conference on Civil Engineering and Material Engineering (CEME2012), August 25-26, Wuhan, China. The 90 peer reviewed paper are grouped as follows: Chapter 1: Material Application and Structure in Civil Engineering; Chapter 2: Mechanics Research in Civil Engineering and Material Engineering; Chapter 3: Environmental Material and Civil Engineering; Chapter 4: Material Engineering and its Application Technology. Review from Book News Inc.: Many of the 90 papers in this collection consider areas where civil engineering and materials engineering