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Prestressed Cable-Bolts; Numerical Study on Damage Mechanism of PRC T-Beam under Close-In Blast Loading
Structure and Calibration Methods of Rainfall-Runoff ModelsUniaxial Spring and Multi-Axial Spring Model for Structural Nonlinear Analysis; Evaluation of Highway Traffic Safety Facilities Based on Set Pair Analysis; The Research on Healthy City Planning Based on GIS; Comparative Study on the Effects of Infill Walls on Reinforced Concrete Frame Structures; Research on Combination of Russian Architecture and Beidaihe City Landscape; Research on Architecture Design of Multi-Storey Residential in West City; Study on Concrete Construction Technology of High-Rise Building
Testing Study on Moisture Content Effect on Thermal Conductivity for ClayFinite Element Analysis of Reinforced Concrete Beam for Carbon Fiber-Reinforced Plastic; Strategy for Application of Non-Wood Fibrous Material on Roofs at Rurual Areas in Cold Region; Thermal Comfort Study Based on Airflow within a Passenger Compartment; Research on the Influence of Coal Mining on Aquifer; Research on Cataclastic Rock Bolting Control; Numerical Analysis on Drainage Parameters in a High Drainage Roadway; Numerical Design of High Drainage Roadway Location in Fully Mechanized Coal Face
The Analysis of Lift Transport Platform Static Strength Based on ANSYSChapter 2: Materials Science and Chemical Technologies; Multipolar Surface Plasmon Peaks in Gold Nanoshells; Comparing Diffuse Approximation and Kriging Method for Predicting the Tool Life when Milling Ultrahigh Strength Steel; Research on Fast-Growing Poplar Dyeing Technology Based on Material Properties; Study on the Corrosion Inhibition of Extractive from Jatropha curcas L Seed Meal on Copper; Geometric Model of CVD Mono-Crystalline Diamond Growth
The Application and Characteristics Analysis of a Variety of Plastic Material in the Stadium

Sommario/riassunto

Collection of selected, peer reviewed papers from the 2014 3rd International Conference on Civil Engineering and Material Engineering (CEME 2014), December 27-28, 2014, Changsha, China. The 71 papers are grouped as follows: Chapter 1: Construction Technologies, Architecture and Urban Planning; Chapter 2: Materials Science and Chemical Technologies; Chapter 3: Environmental Engineering, Biofuel and Biotechnology; Chapter 4: Control Engineering; Chapter 5: Engineering Management and Engineering Assessment