

1. Record Nr.	UNINA9911144933403321
Titolo	Advanced research on civil engineering and material engineering : selected, peer reviewed papers from the 2012 International Conference on Civil Engineering and Material Engineering , August 25-26, Wuhan, China / / edited by Helen Zhang, David Jin and X. J. Zhao
Pubbl/distr/stampa	Durnten-Zurich, Switzerland : , : Trans Tech Publications, , [2012] ©2012
ISBN	9783038138907 3038138908
Edizione	[1st ed.]
Descrizione fisica	1 online resource (417 p.)
Collana	Advanced materials research ; ; volume 568
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Disciplina	624
Soggetti	Civil engineering Material engineering Materials science Conference papers and proceedings.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Advanced Research on Civil Engineering and Material Engineering; Preface and Committees; Table of Contents; Chapter 1: Material Application and Structure in Civil Engineering; Literature Review of Precast Concrete Frame Structures in Civil Engineering; Experimental Study on Fire Resistant of Shield Tunnel Segment in Civil Engineering; Study on the Pyrolysis Kinetics Characteristics of the Wood from the Ancient Buildings; Practical Research on Desulfurization in Converter with the Analysis of Sulfur in Steel for Civil Engineering An Analysis on Engineering Properties of Peaty Soil in Kunming Civil Engineering The Microstructure and Performance Analysis of HRB400 Rebar Manual Arc Welding Joints with Rebar Materials in Civil Engineering; Analysis of Soil Moisture Characteristics with the Application of Soil in Civil Engineering in 2011 in Gaoyao; Study on Indoor Thermal Environment with Building Materials of Urban

Residences in Zhejiang Region: Summer Investigation; Analysis of Two Cross Arm of Reactive Powder Concrete Pole Design with Structure 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 Huizhou
 Structural 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
