1. Record Nr. UNINA9910787300003321

Titolo	Advances in textile engineering and materials IV : selected, peer reviewed papers from the 4thh International Conference on Textile Engineering and Materials (ICTEM 2014), August 23-24, 2014, Shenzhen, China / / edited by Huawu Liu, Shin-ichi Kuroda and Laijiu Zheng
Pubbl/distr/stampa	Pfaffikon, Switzerland : , : Trans Tech Publications Ltd, , 2014 ©2014
ISBN	3-03826-680-9
Descrizione fisica	1 online resource (605 p.)
Collana	Applied Mechanics and Materials, , 1662-8985 ; ; Volume 1048
Disciplina	677
Soggetti	Textile industry Textile fabrics Textile chemicals
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 at the end of each chapters and indexes.
Nota di contenuto	Advances in Textile Engineering and Materials IV; Preface and Organizing Committees; Table of Contents; Chapter 1: Textile Materials, Processing and Application; Adhesive Content Influence on Antimicrobial Properties of Pineapple Leaf Fiber; Comparison of Dissolution Rate of Bagasse Cellulose in LiCl/DMAc Solution Actived by Two Methods; Effect of Plasma Treatment on Water Absorbability of PP Nonwovens; Effect of Supercritical Carbon Dioxide Dyeing Procedure on Mechanical Property of Wool Fiber; Elastic Attributes of Fabrics Suitable for Therapeutic Compression Gloves Electric Field and Spinning Performance in Needleless ElectrospinningEvaluate on the Alkaline Resistance Properties of Bio-Based Nylon 56 Fiber Compared with the Normal Nylon Fiber; Microstructures and Mechanical Properties of Melt Spinning Spandex; Moisture Permeability Test and Analysis of the Fire Taking Cotton Multilayer Fabric System; Process Optimization for the Finish of PP Spunbonded Nonwovens with Photo-Catalytic Microcapsule; Research on Brocade - Silk Material for Mounting Traditional Chinese Calligraphy

and Painting
Study on the Acid Resistant Properties of Bio-Based Nylon 56 Fiber Compared with the Fiber of Nylon 6 and Nylon 66Study on the Bending Fatigue Properties of Nomex Fiber; Study on Undegummed Pineapple Leaf Fibers' Moisture Absorptions; Surface Treatment of PMIA Fibers with Sub-Atmospheric Pressure Dielectric Barrier Glow Discharge Plasma; The Application Research on Hydroxyethyl Methylacrylate in the Anti-Wrinkle Finishing Process; Dyeing Kinetics of Collagen Modified PAN Fiber; Dyeing Properties of Gardenia Yellow, Lac Dye and Sodium Copper Chlorophyll for Wool
Effect of Doffer Speed on Fiber Length Distribution in Flat StripsInfluence of Ultrasonic on the Dying Properties of Cotton Fabric by Using Turmeric as Dye; Research on the Performance Comparison of Several Solid Poly-Acrylic Acid Sizes; Research on Tussah Dye-Free Printed Fabric Added Tryptophan; Response Surface Optimized Dyeing of Kenaf Fiber in Supercritical Carbon Dioxide; The Development of Low Gauge Pure Cotton Warp Knitted Fabric; Application of K/S Value in Determination of Fixation Rate; Surface Modification of Wool Fabric by Plasma Combined Grafting Treatment
The Characteristics of Dyed Fancy Yarn Formation Pattern ResearchChitosan Phase Change Fiber Rheology and its Performance Study; Chapter 2: Textile Industry Development, Management and Innovation; Empirical Analysis of the Interaction between Jiangsu Textiles Industry Export and Cluster; Study on Textile Education in the Sericulture Academy; Study on the Importance of Textile Industry; The Antique Chinese Embroidery in America and J.C. Morgenthau Co. in the early Twentieth Century; The Origin and Spread of the Technique of Cotton Cultivation in Ancient China
The Optimum Choice of Fabric Based on Analytic Hierarchy Process

Sommario/riassunto

Collection of selected, peer reviewed papers from the 4th International Conference on Textile Engineering and Materials (ICTEM 2014), August 23-24, 2014, Shenzhen, China. The 121 papers are grouped as follows: Chapter 1: Textile Materials, Processing and Application, Chapter 2: Textile Industry Development, Management and Innovation, Chapter 3: Apparel Design, Manufacturing and Research, Chapter 4: Aesthetics and Textile Science, Chapter 5: Advanced Materials Science and Processing Technologies, Chapter 6: Industrial Engineering and Information Technology.