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Altri autori (Persone)	BaiLun ChenGuo-Qiang
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Nota di contenuto	Silk, Protective Clothing and Eco-Textiles; Preface; Table of Contents; Chapter 1: Mulberry and Silkworm; Chain Conformational Study on Underwater Silk Proteins from Caddisfly, <i>Stenopsyche marmorata</i> - Implication of a Fiber-Forming Mechanism; Preparation and Characterization of Biomimetic Mesoporous Bioactive Glass-Silk Fibroin Composite Scaffold for Bone Tissue Engineering; Generation of Polyclonal Antibody for <i>Bombyx mori</i> Pheromone-Binding Protein 1 (BmPBP1); Cultivation of Eri-Silkworm <i>Cordyceps militaris</i> and Determination of its Amino Acid Composition Prediction of Genes Regulated by JAK-STAT Signal PathwayThe Succinate Dehydrogenase Genes of the Silkworm, <i>Bombyx mori</i> ; The Transcription Express Characteristics of Several Genes in the Process of <i>Bombyx mori</i> Ovarian Carcinoma; Growth of Hydroxyapatite Crystals on <i>Bombyx mori</i> (B. mori) Silk Fibroin; Cloning and Sequence Analysis of Hippo Pathway Related Major Genes of Silkworm (<i>Bombyx mori</i>); Analysis of Cocoon and Silk Quality of Trimolter Silkworms Induced by Anti-Juvenile Hormone; Analysis of Differential Expression Proteins from Different Parts of Pistillate Flower in Mulberry (<i>Morus alba</i>)

Differential Expression of Stage-Specific Fat Body Proteins during Larval-Pupal Period in Silkworm (*Bombyx mori*) Expression, Purification and Preparation of Polyclonal Antibody of *Bombyx mori* Serpin-6; Chapter 2: Textile and Silk Materials Science, Properties; Observations of Skin Tissue Regenerations in Biomaterial Scaffolds with Different Biodegradability; Recombinant Cloning of Gene Sequence Encoding Silk Fibroin Heavy Chain; Fabrication and Characterization of Alginate Fibers by Wet-Spinning Preparation and Application of Low Molecular Weight Chitosan Nanoparticle as a Textile Finishing Agent Research on Anti-UV and Anti-Bacterial Properties of Multi-Functional Finishing on Silk Fabric with Nano-MgO; Synthesis of Monodisperse Rod-Like Nano-AlOOH and Anti-Ultraviolet Finishing on Silk-Cotton Fabrics; Conformational Transition of Regenerated Spider Silk in Water; Study on Silk Fibroin D-Mannose Blend Films; Study on *Antheraea Pernyi* Silk Fibroin Microspheres Carried Drug; Preparation of Silk Fibroin/Pearl Powder Blend Films Effect of Glycerol on Structure and Properties of Silk Fibroin/Pearl Powder Blend Films Preparation and Characterization of pH-Responsive Poly(Vinyl-Alcohol)/Sodium Carboxymethylcellulose Nanofibers; Platelet Adhesion on the Silk Fibroin Material Surface; Research on the Magnetic Washing-Durability in the Surface of Fabric; The Influence of the Magnetic Fiber Content on Fabric Wearability; Research of Antibacterial Properties about Liquid Detergent on the Surface of the Silk Fabric; Study on Quality and Property of Fine-Denier Raw Silk; Study on Light Fastness of Natural Yellow Silk Fabric Research on the Dynamic-Elegance Property of Fabric

Sommario/riassunto

Silk has a long history and profound cultures. The modern science and technology has injected new vitality into the traditional silk. Meanwhile, the economic globalization has promoted the academic communication and collaborative development of the international textiles and silk industry. The book focus on sericulture bioengineering, fiber materials and textile products, process technology & system engineering of textile and clothing, eco-textile & dyeing and finishing technology, clothing science and technology & fashion, trade & culture of textile and clothing, protective clothing, history
