

图书基本信息

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内容概要

In the coming years , the focus of ploymer research will shift more towards collaborative , interdisciplinary orojects and international partnerships.Mechanisms for more efficient collaboration will be pursued as part of the mission of the conference.Other topics of general significance , such as encouraging polymer physicists , polymer chemists , materials scientists and engineers to apply their models and methods to address targeted problems in polymer fields , will also fall within the scope of the meeting.In this sense , the meeting at each trun contributes a lot to the world`s polymer industry.More than 300 research articles have been accepted by this conference.It is the honor of us , the host of this conference , to gather the participants` contribution and fruits of their presentation.Therefore , we elaborately compiled the proceedings of ICAFPM 2007 and hope that the proceedings assooiated with the the me of this conference may coexist with the brilliant future of the world.

书籍目录

VOLUME I Section A:Theory,simulation and engineering for advanced polymer processing MODELING THE WET SPINNING OF SYNTHETIC FIBER FROM POLYMER SOLUTIONS FUNDAMENTAL STUDY ON FABRICATION OF GI-OPTICAL FIBERS UTILIZING DIFFUSION FO LOW MOLAR MASS ADDITIVE IN MELT IN MELT SPINNING PROCESS BUCKING OF JETS IN ELECTROSPINNING INVESTIGATION OF MACROMOLECULAR CHAIN INTERACTION BY THE USE OF SWELLING DSC AND H SOLID STATE NMR---STUDIED BY TOW GENERATIONS OF CHINESE SCIENTISTS PROPERTIES OF POLYLACTIC ACID FIBER BASED POLYMERS AND THEIR CORRELATION WITH COMPOSITION EFFECT OF TEMPERATURE ON VISCOELASTIC PROPERTIES OF POL YURETHANE FIBER FORMAL KINETIC ANALYSIS OF TWO-STEP CURING REACTIONS IN MELTS-SIMULATION OF THE REACTION BEHAVIOUR STUDY ON DYEABLE POL YPROPYLENE(PP)FIBERS MODIFIED BY POL YSTYRNE(PSt)/GARAMITE MECHANISM OF PRE-MORDANT WOOL FABRIC WITH ALUM AND NATURAL DYE FLOS SOPHORAE BUDS A NEW WAY OF STEP-MASS-THERMAL TRANSFERRING TO CONTROL PHASE SEPARATION FOR POLYACRYLONITRILE(PAN)DMSO WATER SYSTEM STUDY ON RHEOLOGICAL PROPERTIES OF THE BIODEGRADABLE ALIPHATIC-AROMATIC PBST COPOLYESTERS EVALUATING ELECTRONIC RADIATION ON MECHANICAL AND PHYSICAL PROPERTIES OF WARP AND WEFT 100% POLYESTER WOVEN FABRIC SIMULATION ON MOISTURE PERMEABILITY OF POLY(TRIMETHYLENE TEREPHTHALATE)FILAMENT WITH DIFFERENT DANIER APPLICATION OF IONIC LIQUIDS TO CREATE AN ENVIRONMENTALLY FRIENDLY PROCESS TECHNOLOGY FOR POL YACRYLONITRILE FIBERS STUDY ON THE NONISOTHERMAL CRYSTALLIZATION BEHAVIOR OF POLY(ETHYLENE TEREPHTHALATE)OLIGOMERS BY DSC ANAL YSIS PROPERTIES OF COTELOMER TYPE NONIONIC SURFACTANTS AS AUXILIARIES FOR DISPERSE DYEING Section B:High-performance fibers and composites Volume II Section C:functional and smart fibers and films Section D:Bio-compatible fibers and films Section E:Nano-technologise for new composites, fibers and films

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