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万方数据

目

次

编者论坛

本期内容浅析

.....本刊编辑部(扉页)

专论与综述

纺织企业如何建立质量目标及常见问题分析

.....杨 辉(1)

通过纤维溶胀系数测定棉纤维交联程度

.....张守刚 王桂芝 冯丽娟等(6)

天然染料的应用及研究进展

.....乔 欣 王 欣 夏 勇(9)

绿色纺织品的创新

.....吴湘文(13)

生产技术

Coolplus纤维面料染整加工研究

.....张广传 张政倩 高 鹏(15)

Cu²⁺对天然石榴染料轧染棉织物工艺研究

.....唐孝明 张淑云 陈艳霞等(17)

涤纶黑色织物的后整理加工

.....贺良震(20)

低温等离子体对亚麻织物退浆的影响

.....王鸿晓 王建国(23)

色织粘胶面料的开发

.....崔金德 鲁 强(27)

《染整技术》杂志(月刊)

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棉/NG XLA弹力面料免烫工艺的研究

.....张战旗 于 滨 梁政佰等(29)

防毡缩联合整理工艺对羊毛织物改性的研究

.....王华印 任春云(33)

高牢度高亲水T/R职业装面料的生产研究

.....曾志丰 高丽贤 蒋卫强(37)

科德印染水处理

太湖流域污水提标项目的实践

.....周盘岳 李 杰 姚 媛(40)

染料与助剂

氯化稀土在酸性媒介染色中的应用研究

.....殷 辉 李美真(43)

标准与检测

纺织品禁用偶氮染料检测不确定度分析与评估

.....朱振华 顾娟红(46)

百 花 苑

前处理冷轧堆工艺的质疑

.....陈立秋(49)

讲 座

冷转移印花的节能减排(二)

.....陈立秋(52)

染整专利

染整专利摘登

.....王元荪 陈黎(52)

本期广告索引

.....本刊编辑部(8)

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万方数据

TEXTILE DYEING AND FINISHING JOURNAL

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Contents and Abstracts

FEATURES AND REVIEWS

1 How to set the goal of quality and analyse the common problems for textile enterprise

By Hui YANG, Xinyang Bureau of Quality & Technical Supervision, Xinyang, Henan

Abstract: The goal of quality set by an enterprise can stimulate the employee's enthusiasm, and guide them to make contributions for realizing the goal. In terms of raising product quality and improving working efficiency, its effect can not be replaced by any other ways of encouragement. This paper introduces the steps of establishing quality goals, the problems often encountered, as well as countermeasures.

Key words: quality goal; establishment; problem; analyse

6 Determination of Degree of Crosslinking of Cotton Fibre by Fibre Swelling Coefficients

By Jian-xiang ZHANG, Shou-gang ZHANG, Li-juan FENG, Cai-hua GENG, Feng-lian CAO, Luthai Textile Stock Co., Ltd. Zibo, Shandong

Abstract: The swelling coefficients of a series of resin treated cotton fabrics with different constructions and degrees of crosslinking are measured. Based on experimental analysis of differences of fiber's swelling coefficients between the cured fabrics and their untreated counterparts, the curing process is optimized in order to improve the wrinkle resistance of resin treated fabrics.

Key words: swelling coefficient; resin; curing; crosslinking; anti-wrinkle

9 Application and Research Progress of Natural Dyes

By Xin QIAO, Xin WANG, Yong XIA, Hebei University of Science and Technology, Shijiazhuang, Hebei

Abstract: With increasing awareness of the importance of ecological and environmental protection, more and more consumers prefer "green" and safe textiles, and natural dyes attract more attentions. The article introduces the application and research progress of natural dyes, including their classification, features, methods of extracting and dyeing and the latest advances, along with their limitations and solutions.

Key words: natural dyes; application; research progress

PRODUCTION TECHNIQUE

15 Dyeing and Finishing of Coolplus Fibre Fabrics

By Guang-chuan ZHANG¹, Zheng-qing ZHANG¹, Peng GAO², 1, Jinan College of Engineering and Technology, Jinan, Shandong; 2, Huafang Stock Company Limited, Binzhou, Shandong

Abstract: This article discusses performances, sample dyeing and finishing processes of Coolplus fabrics. A variety of factors affecting production is also presented.

Key words: Coolplus fibre; moisture absorption and sweat transfer; pretreatment; finishing

20 Finishing of Dyed Black Polyester Fabrics

By Liang-zheng HE, Nantong Textile Vocational Technology College, Nantong, Jiangsu

Abstract: This study discusses commonly used finishing processes of dyed black polyester fabrics and the feasibility of performing multifunctional treatment of them. The effects of finishing processes on the basic properties of the fabric are investigated with respect to softness, moisture absorption, depth of shade, and antistatic property. It finally points out that during finishing the impact of the ionicity of finishing agents on the thermal migration of disperse dyes must be taken into consideration.

Key words: polyester fibre; fabric; finishing

DYES AND AUXILIARIES

43 Application of Rare Earth Chloride in Wool Dyeing with Acid Mordant Dyes

By Hui YIN, Meizheng LI, Light and Textile College of Nei Mongol Polytechnic University, Huhhot, Nei Mongol

Abstract: This paper studied the application of rare earth chloride in wool dyeing with acid mordant dyes. The rare earth chloride was used to pretreat the wool before after-chrome dyeing, in which the amount of mordant reduced to the half of that by traditional method. The results showed that dyeing properties of the wool fabrics pretreated by rare earth chloride were improved, and the purpose of low-chrome dyeing was achieved. Finally, the optimized acid mordant dyeing process using rare earth chloride as pretreatment agent was determined.

Key words: rare earth chloride; pretreatment; low-chrome dyeing

STANDARDS AND TESTING

46 Analysis and Assessment of Uncertainty during Testing Prohibited Azo Dyes

By Zhenghua ZHU, Juanhong GU, Suzhou Administration for Entry-Exit Inspection and Quarantine

Abstract: Qualitative and quantitative testing of benzidine (CAS No.: 92-87-5), a prohibited azo dye, is carried out according to testing method GB/T17592-2006, and the uncertainty generated during the testing is analysed and assessed. Through source analysis, quantization, and synthesis of uncertainty, the main factors affecting the results are figured out.

Key words: prohibited azo dyes; uncertainty; assessment

1 Editor's Forum

52 Lectures

8 Index to Advertisers

49 Thoughts Debate

55 Patents, Dyeing & Finishing

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