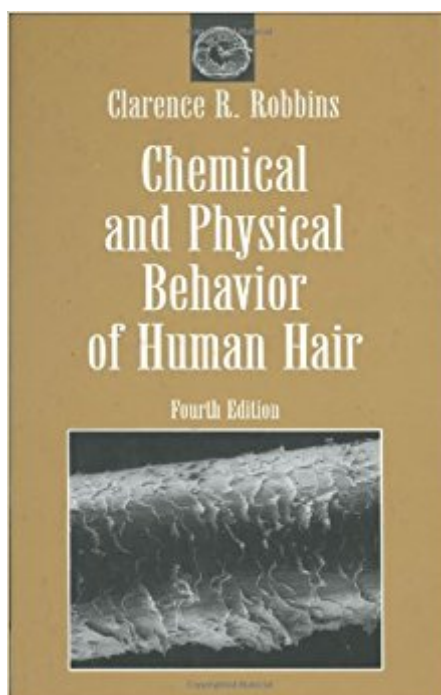


The book was found

Chemical And Physical Behavior Of Human Hair



Synopsis

Human hair is the subject of a wide range of scientific investigations. Its chemical and physical properties are of importance to the cosmetics industry, forensic scientists, and to biomedical researchers. This updated and enlarged fourth edition continues the tradition of its predecessor as being the definitive monograph on the subject. It now contains new information on various topics including: chemical hair damage, the cause of dandruff, skin and eye irritation, hair straightening, and others. Chemical and Physical Behavior of Human Hair is a teaching guide and reference volume for cosmetic chemists and other scientists in the hair products industry, academic researchers studying hair and hair growth, textile scientists, and forensic specialists.

Book Information

Hardcover: 504 pages

Publisher: Springer; 4th edition (December 14, 2001)

Language: English

ISBN-10: 038795094X

ISBN-13: 978-0387950945

Product Dimensions: 6.1 x 1.1 x 9.2 inches

Shipping Weight: 2.1 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 2 customer reviews

Best Sellers Rank: #2,362,537 in Books (See Top 100 in Books) #89 in [Books > Engineering & Transportation > Engineering > Chemical > Cosmetics](#) #481 in [Books > Textbooks > Medicine & Health Sciences > Medicine > Clinical > Forensic Medicine](#) #555 in [Books > Textbooks > Medicine & Health Sciences > Medicine > Clinical > Dermatology](#)

Customer Reviews

"concise and thorough" [Journal of the American Chemical Society](#) "an invaluable resource"

[Canadian Forensic Science Society Journal](#) "highly recommended" [Textile Research Journal](#) --This text refers to an out of print or unavailable edition of this title.

Human hair is the subject of a remarkably wide range of scientific investigations. Its chemical and physical properties are of importance to the cosmetics industry, forensic scientists and to biomedical researchers. The fifth edition of this book confirms its position as the definitive monograph on the subject. Previous editions were recognized as "concise and thorough" (Journal of the American Chemical Society), "an invaluable

resource (Canadian Forensic Science Society Journal), and "highly recommended" (Textile Research Journal). *Chemical and Physical Behavior of Human Hair* is a teaching guide and reference volume for cosmetic chemists and other scientists in the hair products industry, academic researchers studying hair and hair growth, textile scientists and forensic specialists. Features of the Fifth Edition:

- Recent advances in the classification and characterization of the different proteins and genes in IF and keratin associated proteins in human hair are described.
- The mechanism and incidence of hair growth and loss and hair density vs. age of males & females are described for Asians, Caucasians and Africans in different scalp regions.
- Details of hair surface lipids and cuticle membranes provide a better understanding of the surface and organization of the CMC and its involvement in stress strain is presented.
- Recent evidence demonstrates a more bilateral structure in curly hair and a more concentric arrangement of different cortical proteins in straighter hair.
- SNPs involved in hair form (curl and coarseness) and pigmentation and genes in alopecia and hair abnormalities are described.
- The latest biosynthetic scheme for hair pigments and structures for these and the different response of red versus brown-black pigments to photodegradation is described.
- A new method for curvature on 2,400 persons from different countries and groups is used to assign curvature throughout this book.
- Additional data for age and effects on diameter, ellipticity, elastic modulus, break stress and other parameters are presented with much larger data sets featuring statistical analyses.
- Hair conditioning, strength, breakage, split ends, flyaway, shine, combing ease, body, style retention, manageability and feel parameters are defined and described.
- A new section of different life stages by age groups considering collective and individual changes in hair fiber properties with age and how these affect assembly properties.

--This text refers to an out of print or unavailable edition of this title.

If you are interested in the science of hair and can read science lingo, this is a great product. I'm a pretty smart fellow and can barely understand 20% of it. But what I've learned is pretty cool. The book was recommended to me from a friend of mine who is a lab rat for L'Oréal. It's one of their reference books. I think I paid under a hundred dollars for it. Which, based on comparison shopping, is a steal. This book gets so deep into the science your head will spin before you get through the intro. This book is NOT for the average person wanting to know some stuff about hair. A good one of those is Philip Kingsley's "The Hair Bible." Way more reader friendly and basic. If you're a geek like me and happen to be a hairdresser, it's a must have.

The science hair has also been studied actively and inovated year by year. This book considerably revised the contents of ver. 3 and 4, citing many new literatures. Not all of the contents are scientific ones but include those from cosmetic practices. I personally think that the first half of the book is especilaly good as the reference for hair-related basic investigations.

[Download to continue reading...](#)

Hair Loss: Hair Loss Solutions for Beginners - Hair Loss Basic Guide - Hair Loss Cure (Hair Loss Protocol - Hair Loss Black Book - Hair Loss for Dummies 1) Hair Loss Prevention: #1 Hair Loss Prevention And Reversal Techniques, Methods, Treatments And Remedies (Hair Loss, Hair Loss Cure, Hair Loss In Women, ... Protocol, Hair Loss Black book, Baldness) 100 Tips For Hair Loss: How to Deal With Hair Loss and Assist Your Hair Growth (hair loss, hair growth, alopecia, grow hair, baldness, balding) Hair Loss Cure & Treatment: Prevention & Effective Natural Regrowth Methods (Hair Loss Prevention, Hair Loss Treatment, Hair Loss Cure, Hair Loss For Men, Hair Regrowth, Self Help) Hair Loss: How it Happens and How to Fix It (Hair Loss, beauty and fashion, hair, loss, aging parents, hair growth, healthy hair) The Men's Hair Book: A Male's Guide To Hair Care, Hair Styles, Hair Grooming, Hair Products and Rocking It All Without The Baloney Hair Loss Cure: Everything You Need to Know About Hair Loss, Hair Loss Prevention, Hair Re-growth and Hair Loss Treatments (Hairloss treatment) Hair Loss Explained - Natural Solutions for Hair Loss and Premature Balding: (Natural Hair Care, Hair Loss, Scalp Treatments, Balding, Cure, Going Bald, Remedies) Hair Loss: 5 Easy Steps To Stop and Prevent Hair Loss (hair loss, hair care, bald, beauty care, personal hygiene, natural health remedies, personal health care) Hair Loss Solutions for Men: How to Cheat Hair Loss for Life (Hair Loss Solutions: How to Cheat Hair Loss for Life Book 1) Chemical and Physical Behavior of Human Hair Hair Styling Guide: Hair Care For African American And Bi-Racial Children: Quickly style, grow and maintain healthier more beautiful African American and Bi-racial hair in record time. How To Stop Hair Loss Naturally: Learn various ways to stop your hair loss and regrow your hair without the use of expensive and harmful drugs Hair Loss: The Ultimate Resource of Tried and Tested Solutions for Hair Loss and the Maintenance of Healthy Hair Grow African American Hair Long - 7 Days To Faster Growing Hair: Grow Hair Fast Methods and Natural Treatments for Balding Why Am I Losing My Hair? Diabetes & Hair Loss: Diabetes and Hair Loss The HairCell Program - Unique No-cost Hair Loss Treatment: How to Keep Your Hair Healthy and Naturally Manage Hair loss Back On Track - Fighting Hair Loss At Home, How To Prevent And Cure Hair Loss Using Home Remedies, Grow Your Hair Thicker Naturally! Hair Loss: Hair Loss Treatment, Hair Restoration, and More! Classic Hairstyles for Men - An Illustrated Guide

To Men’s Hair Style, Hair Care & Hair Products

Contact Us

DMCA

Privacy

FAQ & Help