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Titolo	Progetto di sistemi informativi / Giampio Bracchi, Gianmario Motta
Pubbl/distr/stampa	Milano : Etas Libri, 1993
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2. Record Nr.	UNINA9910464260703321
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Descrizione fisica	1 online resource (608 p.)
Altri autori (Persone)	NotteboomTheo
Disciplina	387.166
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapter.
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3. Record Nr.	UNINA9910146244403321
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Descrizione fisica	1 online resource (686 p.)
Altri autori (Persone)	HungerKlaus
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Nota di contenuto	Industrial Dyes Chemistry, Properties, Applications; Contents; Preface; List of Contributors; 1 Dyes, General Survey; 1.1 Introduction; 1.2 Classification Systems for Dyes; 1.3 Classification of Dyes by Use or Application Method; 1.4 Nomenclature of Dyes; 1.5 Equipment and Manufacture; 1.6 Economic Aspects; 1.7 References; 2 Important Chemical Chromophores of Dye Classes; Introduction; 2.1 Azo Chromophore; 2.1.1 Introduction; 2.1.2 General Synthesis; 2.1.2.1 Diazo Components; 2.1.2.2 Diazotization Methods; 2.1.2.3 Coupling Components; 2.1.2.4 Azo Coupling in Practice 2.1.3 Principal Properties2.1.3.1 Tautomerism; 2.1.3.2 Metallized Azo Dyes; 2.1.3.3 Carbocyclic Azo Dyes; 2.1.3.4 Heterocyclic Azo Dyes; 2.1.4 References; 2.2 Anthraquinone Chromophore; 2.2.1 Introduction; 2.2.2 General Synthesis; 2.2.3 Principal Properties; 2.2.3.1 Benzodifuranone Dyes; 2.2.3.2 Polycyclic Aromatic Carbonyl Dyes; 2.2.4 References; 2.3 Indigoid Chromophore; 2.3.1 Introduction; 2.3.2

General Synthesis; 2.3.3 Principal Properties; 2.3.3.1 Color; 2.3.3.2 Basic Chromophore; 2.3.3.3 Solvatochromism; 2.3.3.4 Redox System; 2.3.4 References; 2.4 Cationic Dyes as Chromophores 2.4.1 Introduction 2.4.2 General Synthesis; 2.4.3 Chemical Structure and Classification; 2.4.3.1 Dyes with Delocalized Charge; 2.4.3.2 Dyes with Localized Charge; 2.4.4 Principal Properties; 2.4.4.1 Cationic Dyes for Synthetic Fibers; 2.4.4.2 Cationic Dyes for Paper, Leather, and Other Substrates; 2.4.5 References; 2.5 Polymethine and Related Chromophores; 2.5.1 Introduction; 2.5.2 General Synthesis; 2.5.3 Principal Properties and Classification; 2.5.3.1 Azacarbocyanines; 2.5.3.2 Hemicyanines; 2.5.3.3 Diazahemicyanines; 2.5.3.4 Styryl Dyes; 2.6 Di- and Triarylcarenium and Related Chromophores 2.6.1 Introduction 2.6.2 Chromophores; 2.6.3 General Synthesis; 2.6.4 Principal Properties; 2.6.5 References; 2.7 Phthalocyanine Chromophore; 2.7.1 Introduction; 2.7.2 General Synthesis; 2.7.3 Principal Properties; 2.7.4 Industrial Production; 2.7.4.1 Copper Phthalocyanine; 2.7.4.2 Phthalocyanine Derivatives; 2.7.4.3 Phthalocyanine Sulfonic Acids and Sulfonyl Chlorides; 2.7.5 References; 2.8 Sulfur Compounds as Chromophores; 2.8.1 Introduction; 2.8.2 Chromophores; 2.8.3 General Synthesis; 2.8.3.1 Sulfur Bake and Polysulfide Bake Dyes; 2.8.3.2 Polysulfide Melt Dyes; 2.8.3.3 Pseudo Sulfur Dyes 2.8.4 Principal Properties 2.8.5 References; 2.9 Metal Complexes as Chromophores; 2.9.1 Introduction; 2.9.2 Azo/Azomethine Complex Dyes; 2.9.2.1 General Synthesis; 2.9.2.2 Principal Properties; 2.9.3 Formazan Dyes; 2.9.3.1 Introduction; 2.9.3.2 General Synthesis; 2.9.3.3 Principal Properties; 2.9.4 References; 2.10 Fluorescent Dyes; 2.11 Other Chromophores; 2.11.1 Quinophthalone Dyes; 2.11.2 Nitro and Nitroso Dyes; 2.11.3 Stilbene Dyes; 2.11.4 Formazan Dyes; 2.11.5 Triphenodioxazine Dyes; 2.11.6 References; 3 Dye Classes For Principal Applications; 3.1 Reactive Dyes; 3.1.1 Introduction 3.1.2 Chemical Constitution of Reactive Systems

Sommario/riassunto

What would life be like without color? Ever since one can think back, color has always accompanied mankind. Dyes - originally obtained exclusively from natural sources - are today also produced synthetically on a large scale and represent one of the very mature and traditional sectors of the chemical industry. The present reference work on Industrial Dyes provides a comprehensive review of the chemistry, properties and applications of the most important groups of industrial dyes, including optical brighteners. It also outlines the latest developments in the area of functional dyes.<