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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Advanced Printing and Packaging Materials and Technologies; Preface, Committees and Sponsors; Table of Contents; Chapter 1: Color and Optical Science and Technology; Study on Theoretical Color Model under Multilevel Halftoning; Improvement of JPEG for Color Images by Incorporation of CAM02-UCS and Cubic Spline Interpolation; Physical Measurement and Spectral Reproduction of Human Skin Color; Spectral Separation Method for Multi-Ink Printers Based on Color Constancy; Evaluation of Color Rendering Index for LED and Fluorescent Light Sources Research on Multi-Color Separation Model Based on Polynomial Regression Accuracy Comparison of Application of Two Kinds of Cellular Neugebauer Models on Multicolor Separation; A Color Management Solution for Mobile Terminal Based on ICC Mechanism; A Scan-Digitizing Algorithm of the Printed Original Based on Use of Near-Neutral Scales; A LCD Color Calibration Model Based on Gamut-Division Algorithm; Research on Color Reproduction on the Internet Based on Profile Embedding; A Gamut Compression Algorithm Based on the Image Spatial Characteristics

Color Measurement and Analysis Based on the Konica Minolta Bizhub Pro C6501 Digital Press; Evaluation of Device Color Gamut Description Algorithms; Digital Color Appearance Evaluation System; A Spectral Improved Neugebauer Equation Model; Research on Color Reproduction Characteristics of Mobile Terminals; Ink Spectrum Data Feature Extraction Research; Research on Visual Performance under Different Lighting Environments of LED Light Sources; Optimal Experiment Designs of Color File Based on the Tetrahedron Interpolation Algorithm; A Kind of Color Calculation Method of Light Beam Hologram Papers; Presswork Study of Color Reconstruction of Color Holography; Novel Image Color Difference Metric with Chromatic Adaptation Transform; Comparative Studies of Two Metameric Black Spectral Dimension Reduction Methods Based on Color Difference Optimization; Influence of the Parameters of Light Source on Observers' Visual Performance; Growth and Holographic Storage Properties of Zr:Mn:Fe:LiNbO₃ Crystal; Chapter 2: Image Processing Technology; Analysis of Dot Micro-Morphology for Image Replication Quality Evaluation; An Automatic Calculation Method of MTF and the Application in Blurred Images Restoration; An Image Anti-Forgery Algorithm Based on Conceal Zone Special Halftoning; An Improved Print-Scan Resistant Watermarking Scheme; Research on the Character and Line Quality Evaluation Model Based on Human Visual System; Researches on Text Image Watermarking Scheme Based on the Structure of Character Glyph; A Novel Approach of Edge Detection Based on Gray Correlation Degree and Kirsch Operator; A Novel Digital Watermark Algorithm Based on a Fingerprint Image; A Blind Watermarking Algorithm Using DWT and DCT Techniques for Color Image

Sommario/riassunto

Collection of selected, peer reviewed papers from the 2014 3rd China Academic Conference on Printing and Packaging, October 24-25, 2014, Beijing, China. The 118 papers are grouped as follows: Chapter 1: Color and Optical Science and Technology; Chapter 2: Image Processing Technology; Chapter 3: Applied Information Technologies in Digital Publishing; Chapter 4: Printing Engineering Technology; Chapter 5: Packaging Engineering Technology; Chapter 6: Food Packaging and Preservation; Chapter 7: Printing and Packaging Equipment; Chapter 8: Paper and Related Material Technology; Chapter 9: Ink and R
