

CONTENTS OF VOLUME 34

Number 1

- 1 Structure Optimization in a Series of Acid Dyes for Wool and Nylon
M. R. DE GIORGI, R. CARPIGNANO and G. CRISPONI
- 13 Azomethines with Nonlinear Optical Properties and Polyesters Covalently Functionalized with them. Syntheses with Nitriles IC
R. DWORCZAK, W. M. F. FABIAN, D. KIESLINGER and H. JUNEK
- 25 Structure and Dyeing Properties of Some Anthraquinone Violet Acid Dyes
YUZHEN ZHANG, WENFU HOU and YUEPING TAN
- 37 Adsorption Behavior of Reactive Dyes on Cellulose
S.-H. BAE, H. MOTOMURA and Z. MORITA
- 57 Microencapsulation of Ultramarine Particles in Water/oil Emulsion and Surface Fractal Dimensionality of the Particles
YANG GUIQIN, LI XIAOZENG, YAN LEMEI, CUI JIANZHONG and GUO CONGRONG
- 63 The Wash-off of Reactive Dyes on Cellulosic Fibres. Part 3. Dichlorotriazinyl Dyes on Lyocell
S. M. BURKINSHAW and K. GANDHI
- 75 Synthesis and Study of Electronic Spectra of Planar Polymeric Phthalocyanines
F. CATALDO

Number 2

- 87 Development-Accelerator-Releasing (DAR) Couplers. Part 1: The Effect of DAR Couplers with Different Normal Couplers on the Photographic Characteristics of Color Negative Material
ZHENG-HUA ZHU, YU-FANG XU and YUE CHEN
- 93 Fractal Analysis of the Crystal Surfaces of Calcium 4B Toner Pigments
R. R. MATHER
- 101 ^1H , ^{13}C and ^{15}N NMR Spectra of the Reaction Product of Benzenediazonium Fluoroborates with 1-Phenyl-3-methyl-4-(α -acet-ethylidene)-pyrazol-5-one
A. LYČKA and H. MUSTROPH
- 109 Immersional Wetting of Zirconium Silicate Surfaces
P. A. CHAN, J. T. GUTHRIE and P. J. SMITH
- 121 Epitaxial Growth of Polycyclic Aromatic Dyes on Oriented Polyethylene Films
K. TANABE and M. SHIOJIRI
- 133 Dyes Derived from Aminothiophenes. Part 5: Spectral Properties of Some Nitro-substituted Thiophene-based Azo Disperse Dyes
G. HALLAS and A. D. TOWNS

- 147 Photodegradation of an Anthraquinone Type Disperse Dye on Polyester, Diacetate, and Triacetate Fibers, and in Solution
N. KATSUDA, T. OMURA and T. TAKAGISHI
- 159 Photostability of Aniline Blue (CI 42755) and Methyl Blue (CI 42780)
K. KOTAK, A. S. SCHULTE, J. HAY and J. K. SUGDEN

Number 3

- 169 Influence of Dyeing Parameters and Fibre Setting on the Lightfastness Properties of Acid Dyed Nylon 6,6 Fibres
N. S. ALLEN, J. L. THOMAS, M. EDGE, G. W. FOLLOWS and R. HEINZ
- 181 Multiple Linear Regression (MLR) and Neural Network (NN) Calculations of some Disazo Dye Adsorption on Cellulose
S. TIMOFEI, L. KURUNCZI, T. SUZUKI, W. M. F. FABIAN and S. MUREŞAN
- 195 Anion Effects on the Luminescence of Europium Complexes
J. COATES, E. GAY and P. G. SAMMES
- 207 Effectiveness of Various UV-absorbers in Dyeing of Polyester with Disperse Dyes. Part III
A. H. KEHAYOGLOU, E. G. TSATSARONI, I. C. ELEFThERIADIS, K. C. LOUFAKIS and L. E. KYRIAZIS
- 219 A Photophysical Study on Anthraquinone–Fluorescein–Anthracene
JIANJUN HE, QINGFU ZHOU and TAO SHEN
- 227 The Aftertreatment of Sulphur Dyes on Cotton
S. M. BURKINSHAW, F. E. CHACCOUR and A. GOTSPOULOS
- 243 The Dyeing of Conventional and Microfibre Nylon 6,6 with Reactive Dyes—3. Vinyl Sulphone and Chlorotriazine Dyes
S. M. BURKINSHAW and A. E. WILLS

Number 4

- 255 Syntheses and Characterization of New Styryl Fluorescent Dyes from DAMN. Part II
J. JAUNG, M. MATSUOKA and K. FUKUNISHI
- 267 Development-Accelerator-Releasing (DAR) Couplers Part 2: Effect of the DAR Couplers with a Different Divalent Linking Group on the Photographic Characteristics of Color Negative Material
ZHU ZHENG-HUA, XU YU-FANG and CHEN YUE
- 273 Precise PPP Molecular Orbital Calculations of Excitation Energies of Polycyclic Aromatic Hydrocarbons Part 3. Evaluation of the Spectrochemical Softness Based on the Model of Composite Molecules
K. HIRUTA, S. TOKITA and K. NISHIMOTO
- 287 Polymers of Acrylonitrile and the Naphthalimide Derivatives of some Fluorescent Dyes
J. T. GUTHRIE, T. KONSTANTINOVA and E. GINOVA
- 297 Thermal Recording Media Using Clay–Fluoran Dye Intercalation as a Stable Colour Former
K. ITO, M. KUWABARA, K. FUKUNISHI and Y. FUJIWARA
- 307 Capillary Zone Electrophoresis Analysis of Chlorotriazinyl Reactive Dyes in Dyebath Effluent
S. M. BURKINSHAW and C. GRAHAM
- 321 Diffusion/Adsorption Behaviour of Reactive Dyes in Cellulose
S.-H. BAE, H. MOTOMURA and Z. MORITA