

PAPERS PUBLISHED IN 1997

VOLUME 33

Number 1

- 1 Pad-Dry and Pad-Flash Cure Aftertreatments to Improve the Wash Fastness of Sulphur Dyeings on Cotton
S. M. BURKINSHAW & G. W. COLLINS
- 11 The Wash-off of Reactive Dyes on Cellulosic Fibres Part 2. Monochlorotriazinyl Dyes on Cotton
S. M. BURKINSHAW & D. KATSARELIAS
- 33 Conformational Analysis of Aminovinylpyrazine by Semiempirical Molecular Orbital Calculations
H. SHIOZAKI, A. OSHIDA, D. HOU & M. MATSUOKA
- 41 QSAR Studies of Disperse Azo Dyes. Towards the Negation of the Pharmacophore Theory of Dye-Fiber Interaction?
T. I. OPREA, L. KURUNCZI & S. TIMOFEI
- 65 Some Observations of the Synthesis of Polysubstituted Zinc Phthalocyanine Sensitisers for Photodynamic Therapy
J. GRIFFITHS, J. SCHOFIELD, M. WAINWRIGHT & S. B. BROWN
- 79 Photoelectric Conversion of a Novel Langmuir-Blodgett Film
M. LAN, S. REN, J. JIA & X. XIAO

Number 2

- 87 The Hydrolysis Kinetics and Dyeing Properties of 3'-Carboxypyridino-triazine Reactive Dyes
L. DONGZHI, G. KUNYU & C. LUBAI
- 97 Deaggregation of Benzimidazolone Azo Dyes
J. SZADOWSKI & Z. NIEWIADOMSKI
- 107 Tetrathieno (2,3-b) Porphyrazines: Thiophen Analogues of Phthalocyanines: a Re-investigation
R. M. CHRISTIE & B. G. FREER
- 119 Detection of Carcinogenic Amines from Dyestuffs or Dyed Substrates
S. W. OH, M. N. KANG, C. W. CHO & M. W. LEE
- 137 Synthesis and Properties of some Azo Pyridone Dyes and their Cu(II) Complexes
N. ERTAN & P. GURKAN
- 149 Structure-property Relationships in Azo Disperse Dyes, Derivatives of Naphthalimide
K. WOJCEICHOWSKI
- 167 Dimer Formation of Viologen Derivatives and their Electrochromic Properties
S. H. KIM, J. S. BAE, S. H. HWANG, T. S. GWON & M. K. DOH

Number 3

- 173 Review—The Effect of Additives on the Photostability of Dyed Polymers
J. C. V. P. MOURA, A. M. F. OLIVEIRA-CAMPOS & J. GRIFFITHS
- 197 Synthesis of some Polymerisable 1,8-Naphthalimide Derivatives for use as Fluorescent Brighteners
I. GRABCHEV & T. KONSTANTINOVA
- 205 Dyes Derived from Aminothiophenes—Part 2. Spectroscopic Properties of some Disperse Dyes Derived from 2-Aminothiophenes
G. HALLAS & A. D. TOWNS
- 215 Dyes Derived from Aminothiophenes—Part 3. Application of some Disperse Dyes Derived from 2-Aminothiophenes to Hydrophobic Fibres
G. HALLAS & A. D. TOWNS
- 229 Molecular Orbital Calculations for Acid Induced Ring Opening Reaction of Spiropyran
H. SHIOZAKI
- 239 Color Variations of Cotton Dyed with Reactive Cu-complex Azo Dyes by Histidine, and Testing Methods for Color Fastness to Perspiration
Y. OKADA, T. NAGASHIMA, H. IIZUKA, M. ASANO & Z. MORITA
- 251 Crystal Structures of Hydrazone Form of 1-Butyl-3-cyano-6-hydroxy-4-methyl-5-(2-nitrothiazolylazo)-2(1H)-pyridone
S. ÖZBEY, E. KENDI & N. ERTAN

Number 4

- 259 The Dyeing of Conventional and Microfibre Nylon 6,6 with Reactive Dyes—Part 2. Bromoacrylamido Dyes
S. M. BURKINSHAW & K. GANDHI
- 281 Decoloration of Chlorotriazine Reactive Azo Dyes with H2O2/UV
Y. M. SLOKAR, A. M.-L. MARECHAL & T. TAUFER
- 299 Some Approaches to the Construction of New Nitrogen-containing Heterocyclic End Groups for Synthesizing Polymethine Dyes Absorbing in the IR Region
Y. U. L. BRIKS, E. K. MIKITENKO & N. N. ROMANOV
- 319 Dyes Derived from Aminothiophenes. Part 4: Synthesis of some Nitro-substituted Thiophene-based Azo Disperse Dyes
G. HALLAS & A. D. TOWNS
- 337 Kinetics of Hydrolysis of Monofunctional and Bifunctional Monochloro-s-triazine Reactive Dyes
M. KLANCNIK & M. GORENSEK

VOLUME 34

Number 1

- 1 Structure Optimization in a Series of Acid Dyes for Wool and Nylon
M. R. DE GIORGI, R. CARPIGNANO & 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 & H. JUNEK
- 25 Structure and Dyeing Properties of Some Anthraquinone Violet Acid Dyes
YUZHEN ZHANG, WENFU HOU & YUEPING TAN
- 37 Adsorption Behavior of Reactive Dyes on Cellulose
S.-H. BAE, H. MOTOMURA & 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 & GUO CONGRONG
- 63 The Wash-off of Reactive Dyes on Cellulosic Fibres. Part 3. Dichlorotriazinyl Dyes on Lyocell
S. M. BURKINSHAW & 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 & 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 & H. MUSTROPH
- 109 Immersional Wetting of Zirconium Silicate Surfaces
P. A. CHAN, J. T. GUTHRIE & P. J. SMITH
- 121 Epitaxial Growth of Polycyclic Aromatic Dyes on Oriented Polyethylene Films
K. TANABE & M. SHIOJIRI
- 133 Dyes Derived from Aminothiophenes. Part 5: Spectral Properties of Some Nitro-substituted Thiophene-based Azo Disperse Dyes
G. HALLAS & A. D. TOWNS
- 147 Photodegradation of an Anthraquinone Type Disperse Dye on Polyester, Diacetate, and Triacetate Fibers, and in Solution
N. KATSUDA, T. OMURA & T. TAKAGISHI
- 159 Photostability of Aniline Blue (CI 42755) and Methyl Blue (CI 42780)
K. KOTAK, A. S. SCHULTE, J. HAY & 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 & 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 & S. MUREŞAN
- 195 Anion Effects on the Luminescence of Europium Complexes
J. COATES, E. GAY & P. G. SAMMES
- 207 Effectiveness of Various UV-absorbers in Dyeing of Polyester with Disperse Dyes. Part III
A. H. KEHAYOGLU, E. G. TSATSARONI, I. C. ELEFThERiADIS, K. C. LOUFAKIS & L. E. KYRIAZIS
- 219 A Photophysical Study on Anthraquinone–Fluorescein–Anthracene
JIANJUN HE, QINGFU ZHOU & TAO SHEN
- 227 The Aftertreatment of Sulphur Dyes on Cotton
S. M. BURKINSHAW, F. E. CHACCOUR & A. GOTSPOULOS
- 243 The Dyeing of Conventional and Microfibre Nylon 6,6 with Reactive Dyes—3. Vinyl Sulphone and Chlorotriazine Dyes
S. M. BURKINSHAW & 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

VOLUME 35

Number 1

- 1 Identification of Phenyl Naphtho Furans and Phenyl Ethenyl Naphthol in Commercial 2-naphthol
J. ČERMÁK, J. JIRMAN, J. KULHÁNEK & J. TOMAN

- 11 X-ray Crystal Structure of Disazo Dyes. Part 1: C.I. Disperse Orange 29
H. S. FREEMAN, S. A. MCINTOSH & P. SINGH
- 23 Synthesis and Characterization of Some Unsymmetric Substituted Bis(dithiobenzil)nickel Complex Dyes
ZHIFEI DAI, LI QUN & BIXIAN PENG
- 31 Structure and Properties of Fluorescent Reactive Dyes: Electronic Structure and Spectra of Some Benzanthrone Derivatives
M. NEPRAŠ, O. MACHALICKÝ, M. ŠEPS, R. HRDINA, P. KAPUSTA & V. FIDLER
- 45 Dyes Derived from Aminothiophenes. Part 6: Application of some Nitro-substituted Thiophene-based Azo Disperse Dyes to Hydrophobic Fibres
G. HALLAS & A. D. TOWNS
- 57 Constitution and Dyeing Properties of a 2:2 Copper Complex Azomethine Dye
N. KOPRIVANAC, S. PAPIĆ, A. HERGOLD-BRUNDIĆ, A. NAGL,
Đ. PARAC-OSTERMAN & Z. GRABARIĆ
- 69 Modification of Cotton with Nicotinoyl Thioglycollate to Improve its Dyeability
D. M. LEWIS & K. A. MCILROY

Number 2

- 87 Intermolecular and Intramolecular Energy and Electron Transfer Reactions between Porphyrin and Fluorescein
X. YAN, M. WENG, M. ZHANG & T. SHEN
- 101 Analysis of 1-Carboxy-5,7-dibromo-6-hydroxy-2,3,4-trichloroxanthone in the Color Additives D and C Red Nos 27 and 28 (Phloxine B) by Liquid Chromatography
A. WEISZ
- 111 Synthesis and Photostability of Functional Squarylium Dyes
S. H. KIM & S. H. HWANG
- 123 Properties of Copper Phthalocyanine Blue (C.I. Pigment Blue 15:3) treated with Poly(ethylene glycol)s
Z. TIANYONG & Z. CHUNLONG
- 131 Electronic Properties of Polymethine Systems. Part 5: Vinylene Shift
A. D. KACHKOVSKI & N. M. KOVALENKO
- 149 X-Ray Crystal Structure of Disazo Dyes. Part 2: Derivatives of C.I. Disperse Yellow 23 and C.I. Disperse Orange 29
H. S. FREEMAN, S. A. MCINTOSH & P. SINGH
- 165 Osmotic Coefficients of C.I. Acid Orange 7 in Aqueous Solution and in the Presence of Simple Electrolyte
S. BRAČKO & J. ŠPAN
- 171 Effect of the Medium Acidity on the Photophysical Characteristics of some 2-Aryl- and 2-Hetaryl-benzothiazoles
I. PETKOV, T. DELIGEORGIEV & I. TIMTCHEVA
- 183 Influence of Triphenylphosphine Complexes on the Condensation of Acetylenes with Aryl Halides
V. B. DISTANOV, V. F. BERDANOVA, A. A. STEPANENKO & V. V. PREZHDO

Number 3

- 191 Effects of Abietic Acid Derivative Rosination on C.I. Pigment Yellow 13
F. G. RIDDELL, R. A. SPARK, I. F. FRASER & I. A. MACPHERSON
- 205 Spectral and Conformational Change on Deprotonation in 8,8-Dicyano-3-(4'-hydroxy)-phenylheptafulvenes
H. OTANI, Y. SATO & J. MIZUGUCHI
- 219 Dyes Derived from Aminothiophenes. Part 7: Synthesis and Properties of some Benzo[*b*]thiophene-based Azo Disperse Dyes
G. HALLAS & A. D. TOWNS
- 239 The *Cis-trans* Isomerization and Lightfastness of Azo Dyes Dispersed in Thermoplastic Fibres with Different Structural Features
P. L. BELTRAME, L. BERGAMASCO, A. CASTELLI, E. DUBINI-PAGLIA, B. MARCANDALLI & A. SEVES
- 249 The Wash-off of Reactive Dyes on Cellulosic Fibres. Part 4: The Use of Different Alkalis with Monochlorotriazinyl Dyes on Cotton
S. M. BURKINSHAW & D. KATSARELIAS
- 261 Some Observations on the Visible Absorption Spectra and Stability Properties of the Silicon Phthalocyanine System
K. A. BELLO & I. A. BELLO
- 269 Synthesis and Properties of 1,5-Dithio-3-oxa-pentanediyI Bridged Polymeric Phthalocyanines
E. AĞAR, S. ŞAŞMAZ, İ. KESKİN & B. KARABULUT
- 279 Photochromic Behaviour of some Phenoxanthraquinone Dyes in Solution and on Polyester Substrate
P. Y. WANG & C. J. WU
- 289 Solvatochromic Studies on 2-[(2-Hydroxyphenyl)azo]-4-5-diphenylimidazole
A. M. HAMMAM, N. M. RAGEH & S. A. IBRAHIM

Number 4

- 297 New Long-wavelength Perylenequinones. The Reaction Between Hypocrellin B and Mercapto Compounds
M. WENG, M.-H. ZHANG, L. MA, T. SHEN & L.-J. JIANG
- 311 Estimation of Potential Photochemical Properties for Monochlorotriazinyl Reactive Dyes and their Manifestations in the Fading of Dyed Cellulose
Y. OKADA, F. FUKUOKA & Z. MORITA
- 331 Synthesis and Spectral Characteristics of Some Highly Soluble Squarylium Cyanine Dyes
T. LIN & B.-X. PENG
- 339 An Investigation of the Electronic Spectral Properties of the Coloured Photoproducts Derived from Some Photochromic Naphtho[2,1-*b*]pyrans
R. M. CHRISTIE, J. D. HEPWORTH, C. D. GABBUTT & S. RAE
- 347 Structural and Optical Properties of 5,15-diaza-6,16-dihydroxy-tetrabenzo[*b,e,k,n*]perylene
J. MIZUGUCHI

- 361 Photochemistry of 1,8-naphthlic Anhydride Derivatives
I. GRABTCHEV, T. KONSTANTINOVA, S. GUITTONNEAU & P. MEALLIER
- 367 Inducing Water Bath Dyeability in Polypropylenic Fibers by their Blending with Polyamide 6
A. SEVES, G. TESTA, B. MARCANDALLI, L. BERGAMASCO, G. MUNARETTO & P. L. BELTRAME
- 375 Synthesis of Cobalt Phthalocyanine Derivatives and their Cyclic Voltammograms
K. SAKAMOTO & E. OHNO
- 387 Analysis of the Quality of Permeates Obtained by Ultrafiltration of Water-based Stain Through YM5 and YM100 Membranes
V. TIŠLER, V. MIHEVC, D. KORNHAUZER, J. T. GUTHRIE, M. KUNAVER & A. IVANUS