

Subject Index of Volume 147

- Absolute asymmetric synthesis**
Novel chiral norbornadiene–quadricyclane systems: substituent effect on chiroptical properties and stereochemical consequence of photochemical interconversion, 1
- Adsorption**
Radical-mediated photoreduction of manganese(II) species in UV-irradiated titania suspensions, 199
- Aggregation number**
Characterization of non-ionic surfactant aggregates by fluorometric techniques, 45
- Alkaline-earth**
Synthesis and photochemical properties of new coumarin-derived ionophores and their alkaline-earth and lanthanide complexes, 113
- Amides**
Ground and singlet excited state hydrogen-bonding interactions between 1-azacarbazole and amides, 103
- Amino acids**
Fading modelling of a hair oxidation dye: aminoindamine, 233
- Aminoindamine**
Photochemical and thermal modifications of permanent hair dyes, 225
Fading modelling of a hair oxidation dye: aminoindamine, 233
- Aminoindamine**
Photochemical and thermal modifications of permanent hair dyes, 225
- Amorphous materials**
The photochemistry of thin films of titanium diacetylacetonate diisopropoxide on silicon surfaces, 127
- Anions**
Decolourising textile wastewater with modified titania: the effects of inorganic anions on the photocatalysis, 77
- Anisotropy factor**
Novel chiral norbornadiene–quadricyclane systems: substituent effect on chiroptical properties and stereochemical consequence of photochemical interconversion, 1
- Antimony(V) tetraphenylporphyrin complex**
Synthesis and fluorescence study of a (2-naphthoxy)polyoxalkoxyantimony(V) tetraphenylporphyrin complex, 191
- Axial ligands**
Synthesis and fluorescence study of a (2-naphthoxy)polyoxalkoxyantimony(V) tetraphenylporphyrin complex, 191
- 1-Azacarbazole**
Ground and singlet excited state hydrogen-bonding interactions between 1-azacarbazole and amides, 103
- Borohydrides**
Charge transfer interaction between bis(triphenylphosphine)copper(I) borohydride and 9,10-phenanthrenequinone.. Absorption spectrum and photoreactivity of the donor–acceptor adduct, 149
- Carbazole**
Photopolymerization of neopentyl glycol diglycidylether and its compositions with 9-(2-oxiranylmethyl) carbazole, 55
Cationic photopolymerization of carbazolyl- and phenothiazinyl-containing thiiranes, 63
- Carbonyl index**
Photooxidative and thermal degradation of polyethylenes: interrelationship by chemiluminescence, thermal gravimetric analysis and FTIR data, 213
- Charge transfer**
Charge transfer interaction between bis(triphenylphosphine)copper(I) borohydride and 9,10-phenanthrenequinone.. Absorption spectrum and photoreactivity of the donor–acceptor adduct, 149
- Chelate**
Synthesis and photochemical properties of new coumarin-derived ionophores and their alkaline-earth and lanthanide complexes, 113
- Chemiluminescence**
Photooxidative and thermal degradation of polyethylenes: interrelationship by chemiluminescence, thermal gravimetric analysis and FTIR data, 213
- Chiroptical property**
Novel chiral norbornadiene–quadricyclane systems: substituent effect on chiroptical properties and stereochemical consequence of photochemical interconversion, 1
- Circular dichroism**
Novel chiral norbornadiene–quadricyclane systems: substituent effect on chiroptical properties and stereochemical consequence of photochemical interconversion, 1
- Conformational transition**
Conformational transition of poly[2-methoxy-5-(2'-ethylhexoxy)-*p*-phenylene vinylene] in solutions: solvent-induced emitter change, 15
- Copper complexes**
Charge transfer interaction between bis(triphenylphosphine)copper(I) borohydride and 9,10-phenanthrenequinone.. Absorption spectrum and photoreactivity of the donor–acceptor adduct, 149
- Cr(VI)**
Simultaneous photocatalytic Cr(VI) reduction and dye oxidation in a TiO₂ slurry reactor, 71
- Crude oil**
Photocatalytic decomposition of seawater-soluble crude-oil fractions using high surface area colloid nanoparticles of TiO₂, 205
- Crude water**
Evaluation of photocatalytic disinfection of crude water for drinking-water production, 241
- Cyclobutane derivatives**
Synthesis and photolysis of *r*-1,*c*-2,*t*-3,*t*-4-1,3-di(4-*R*-phenyl)-2,4-bis[2-(5-phenyloxazolyl)]cyclobutane, 25
- Cyclopropane**
Photochemistry of 1,1-dicyano-1-alkenes. General aspects, 157
Photochemistry of 1,1-dicyano-1-alkenes. The olefin-to-cyclopropane rearrangement, 177
- 3D optical storage**
Optical and thermal properties of photochromic fluorinated adamantylidene indolylfulgides, 39
- Degradation**
Photooxidative and thermal degradation of polyethylenes: interrelationship by chemiluminescence, thermal gravimetric analysis and FTIR data, 213

- Diels–Alder reaction
 Photocyclization of an isopentafulvene–benzoquinone adduct: a vinyl-
 logous Norrish–Yang reaction, 109
- Disinfection
 Evaluation of photocatalytic disinfection of crude water for drinking-
 water production, 241
- Dye
 Simultaneous photocatalytic Cr(VI) reduction and dye oxidation in a
 TiO₂ slurry reactor, 71
- Electron-deficient olefin
 Photochemistry of 1,1-dicyano-1-alkenes. General aspects, 157
 Photochemistry of 1,1-dicyano-1-alkenes. The olefin-to-cyclopropane
 rearrangement, 177
- Electronic spectra
 Charge transfer interaction between bis(triphenylphosphine)copper(I)
 borohydride and 9,10-phenanthrenequinone.. Absorption spectrum
 and photoreactivity of the donor–acceptor adduct, 149
- Emission
 Conformational transition of poly[2-methoxy-5-(2'-ethylhexoxy)-*p*-
 phenylene vinylene] in solutions: solvent-induced emitter change,
 15
- Epoxide
 Photopolymerization of neopentyl glycol diglycidylether and its com-
 positions with 9-(2-oxiranylmethyl) carbazole, 55
- Escherichia coli*
 Evaluation of photocatalytic disinfection of crude water for drinking-
 water production, 241
- Excimer laser
 Mechanism of SO₂ photoionization at 193 and 308 nm in a supersonic
 jet, 85
- Excited singlet state
 Photochemistry of 1,1-dicyano-1-alkenes. General aspects, 157
 Photochemistry of 1,1-dicyano-1-alkenes. The olefin-to-cyclopropane
 rearrangement, 177
- Excited state
 Ground and singlet excited state hydrogen-bonding interactions
 between 1-azacarbazole and amides, 103
- Fluorescence
 Synthesis and photochemical properties of new coumarin-derived iono-
 phores and their alkaline-earth and lanthanide complexes, 113
- Fluorescence quenching
 Characterization of non-ionic surfactant aggregates by fluorometric
 techniques, 45
- Fluorination
 Optical and thermal properties of photochromic fluorinated adamanty-
 lidene indolyfulgides, 39
- Fulgide
 Optical and thermal properties of photochromic fluorinated adamanty-
 lidene indolyfulgides, 39
- Gaussian functions
 Mechanism of SO₂ photoionization at 193 and 308 nm in a supersonic
 jet, 85
- Gelatin
 Fading modelling of a hair oxidation dye: aminoindamine, 233
- Ground state
 Ground and singlet excited state hydrogen-bonding interactions
 between 1-azacarbazole and amides, 103
- Hair dye
 Photochemical and thermal modifications of permanent hair dyes,
 225
- Heterogeneous photocatalysis
 Radical-mediated photoreduction of manganese(II) species in UV-irra-
 diated titania suspensions, 199
- Photocatalytic decomposition of seawater-soluble crude-oil fractions
 using high surface area colloid nanoparticles of TiO₂, 205
- Humic substances
 Photochemical degradation study of irgarol 1051 in natural waters:
 influence of humic and fulvic substances on the reaction, 135
- Hydrogen transfer
 Photocyclization of an isopentafulvene–benzoquinone adduct: a vinyl-
 logous Norrish–Yang reaction, 109
- Hydrogen-bonding
 Ground and singlet excited state hydrogen-bonding interactions
 between 1-azacarbazole and amides, 103
- Intramolecular electron transfer
 Synthesis and fluorescence study of a (2-naphthoxy)polyoxalkoxyanti-
 mony(V) tetraphenylporphyrin complex, 191
- Intramolecular energy transfer
 Synthesis and fluorescence study of a (2-naphthoxy)polyoxalkoxyanti-
 mony(V) tetraphenylporphyrin complex, 191
- Iodonium salt
 Photopolymerization of neopentyl glycol diglycidylether and its com-
 positions with 9-(2-oxiranylmethyl) carbazole, 55
 Cationic photopolymerization of carbazolyl- and phenothiazinyl-con-
 taining thiiranes, 63
- Irgarol 1051
 Photochemical degradation study of irgarol 1051 in natural waters:
 influence of humic and fulvic substances on the reaction, 135
- Iron arene complex
 Cationic photopolymerization of carbazolyl- and phenothiazinyl-con-
 taining thiiranes, 63
- Keratin
 Part B—Fading modelling of a hair oxidation dye: aminoindamine, 233
- Lanthanide
 Synthesis and photochemical properties of new coumarin-derived iono-
 phores and their alkaline-earth and lanthanide complexes, 113
- Lignin
 Singlet oxygen-mediated degradation of lignin. Isolation of oxidation
 products from steam-exploded lignin from straw, 153
- MEH-PPV
 Conformational transition of poly[2-methoxy-5-(2'-ethylhexoxy)-*p*-
 phenylene vinylene] in solutions: solvent-induced emitter change,
 15
- Microtox[®]
 Photocatalytic decomposition of seawater-soluble crude-oil fractions
 using high surface area colloid nanoparticles of TiO₂, 205
- Modelling
 Fading modelling of a hair oxidation dye: aminoindamine, 233
- Naphthoxy polyoxalkoxy
 Synthesis and fluorescence study of a (2-naphthoxy)polyoxalkoxyanti-
 mony(V) tetraphenylporphyrin complex, 191
- Norbornadiene
 Novel chiral norbornadiene–quadricyclane systems: substituent effect
 on chiroptical properties and stereochemical consequence of photo-
 chemical interconversion, 1
- Optical switches
 Optical and thermal properties of photochromic fluorinated adamanty-
 lidene indolyfulgides, 39
- Organic co-additives
 Radical-mediated photoreduction of manganese(II) species in UV-irra-
 diated titania suspensions, 199
- Oxazole
 Synthesis and photolysis of *r*-1,*c*-2,*t*-3,*t*-4-1,3-di(4-*R*-phenyl)-2,4-bis[2-
 (5-phenyloxazolyl)]cyclobutane, 25

- Oxidation
Photooxidative and thermal degradation of polyethylenes: interrelationship by chemiluminescence, thermal gravimetric analysis and FTIR data, 213
- Oxidation dye
Photochemical and thermal modifications of permanent hair dyes, 225
Fading modelling of a hair oxidation dye: aminoindamine, 233
- Oxidative stress
Evaluation of photocatalytic disinfection of crude water for drinking-water production, 241
- Permanent dye
Photochemical and thermal modifications of permanent hair dyes, 225
- Phenothiazine
Cationic photopolymerization of carbazolyl- and phenothiazinyl-containing thiiranes, 63
- 4-Phenylpyridine
Time-resolved experiments in dye-sensitized solar cells using $[(\text{dcbH}_2)_2\text{Ru}(\text{ppy})_2](\text{ClO}_4)_2$ as a nanocrystalline TiO_2 sensitizer, 143
- Photocatalysis
Simultaneous photocatalytic Cr(VI) reduction and dye oxidation in a TiO_2 slurry reactor, 71
Evaluation of photocatalytic disinfection of crude water for drinking-water production, 241
- Photocatalytic oxidation
Decolourising textile wastewater with modified titania: the effects of inorganic anions on the photocatalysis, 77
- Photochemical and thermal degradation
Fading modelling of a hair oxidation dye: aminoindamine, 233
- Photochemical and thermal transformation
Photochemical and thermal modifications of permanent hair dyes, 225
- Photochemistry
Singlet oxygen-mediated degradation of lignin. Isolation of oxidation products from steam-exploded lignin from straw, 153
- Photochromism
Optical and thermal properties of photochromic fluorinated adamantylidene indolylfulgides, 39
- Photocrosslinking
Photopolymerization of neopentyl glycol diglycidylether and its compositions with 9-(2-oxiranylmethyl) carbazole, 55
- Photodegradation
Photochemical degradation study of irgarol 1051 in natural waters: influence of humic and fulvic substances on the reaction, 135
- Photodeposition
The photochemistry of thin films of titanium diacetylacetonate diisopropoxide on silicon surfaces, 127
- Photodimerization
Synthesis and photolysis of *r*-1,*c*-2,*t*-3,*t*-4-1,3-di(4-*R*-phenyl)-2,4-bis[2-(5-phenyloxazolyl)]cyclobutane, 25
- Photoionization
Mechanism of SO_2 photoionization at 193 and 308 nm in a supersonic jet, 85
- Photoisomerization
Photocyclization of an isopentafulvene–benzoquinone adduct: a vinyllogous Norrish–Yang reaction, 109
Photochemistry of 1,1-dicyano-1-alkenes. General aspects, 157
Photochemistry of 1,1-dicyano-1-alkenes. The olefin-to-cyclopropane rearrangement, 177
- Photolysis
Synthesis and photolysis of *r*-1,*c*-2,*t*-3,*t*-4-1,3-di(4-*R*-phenyl)-2,4-bis[2-(5-phenyloxazolyl)]cyclobutane, 25
- Photooxidation
Simultaneous photocatalytic Cr(VI) reduction and dye oxidation in a TiO_2 slurry reactor, 71
- Photophysics
Nonlinear dependence of solvent polarity effects on twisted intramolecular charge-transfer states and linear relation for electronic spectra in a stilbazolium-like dye, 93
- Photopolymerization
Photopolymerization of neopentyl glycol diglycidylether and its compositions with 9-(2-oxiranylmethyl) carbazole, 55
Cationic photopolymerization of carbazolyl- and phenothiazinyl-containing thiiranes, 63
- Photoreduction
Simultaneous photocatalytic Cr(VI) reduction and dye oxidation in a TiO_2 slurry reactor, 71
- Poly(vinyl alcohol)
Fading modelling of a hair oxidation dye: aminoindamine, 233
- Polyethylene
Photooxidative and thermal degradation of polyethylenes: interrelationship by chemiluminescence, thermal gravimetric analysis and FTIR data, 213
- Pyrene
Characterization of non-ionic surfactant aggregates by fluorometric techniques, 45
- Quadricyclane
Novel chiral norbornadiene–quadricyclane systems: substituent effect on chiroptical properties and stereochemical consequence of photochemical interconversion, 1
- Quinones
Charge transfer interaction between bis(triphenylphosphine)copper(I) borohydride and 9,10-phenanthrenequinone. Absorption spectrum and photoreactivity of the donor–acceptor adduct, 149
- 1,2-Shift
Photochemistry of 1,1-dicyano-1-alkenes. General aspects, 157
Photochemistry of 1,1-dicyano-1-alkenes. The olefin-to-cyclopropane rearrangement, 177
- Silver-loaded TiO_2
Decolourising textile wastewater with modified titania: the effects of inorganic anions on the photocatalysis, 77
- Singlet oxygen
Singlet oxygen-mediated degradation of lignin. Isolation of oxidation products from steam-exploded lignin from straw, 153
- Size-dependent property
Characterization of the size-dependent optical properties of *p*-terphenyl nanocrystals, 31
- Solar
Evaluation of photocatalytic disinfection of crude water for drinking-water production, 241
- Solvent effect
Synthesis and fluorescence study of a (2-naphthoxy)polyoxalkoxyantimony(V) tetraphenylporphyrin complex, 191
- Specific rotation
Novel chiral norbornadiene–quadricyclane systems: substituent effect on chiroptical properties and stereochemical consequence of photochemical interconversion, 1
- Stability
Optical and thermal properties of photochromic fluorinated adamantylidene indolylfulgides, 39
- Stilbazolium-like dye
Nonlinear dependence of solvent polarity effects on twisted intramolecular charge-transfer states and linear relation for electronic spectra in a stilbazolium-like dye, 93
- Stokes' shifts
Synthesis and photochemical properties of new coumarin-derived ionophores and their alkaline-earth and lanthanide complexes, 113
- Sulfonium salt
Cationic photopolymerization of carbazolyl- and phenothiazinyl-containing thiiranes, 63

- p*-Terphenyl nanocrystals
Characterization of the size-dependent optical properties of *p*-terphenyl nanocrystals, 31
- Textile dyes
Decolourising textile wastewater with modified titania: the effects of inorganic anions on the photocatalysis, 77
- Thermal analysis
Photooxidative and thermal degradation of polyethylenes: interrelationship by chemiluminescence, thermal gravimetric analysis and FTIR data, 213
- Thiirane
Cationic photopolymerization of carbazolyl- and phenothiazinyl-containing thiiranes, 63
- Thin films
The photochemistry of thin films of titanium diacetylacetonate diisopropoxide on silicon surfaces, 127
- TiO₂
Photocatalytic decomposition of seawater-soluble crude oil fractions using high surface area colloid nanoparticles of TiO₂, 205
- TiO₂ sensitization
Time-resolved experiments in dye-sensitized solar cells using [(dcbH₂)₂Ru(ppy)₂](ClO₄)₂ as a nanocrystalline TiO₂ sensitizer, 143
- Transient absorption spectra
Time-resolved experiments in dye-sensitized solar cells using [(dcbH₂)₂Ru(ppy)₂](ClO₄)₂ as a nanocrystalline TiO₂ sensitizer, 143
- Tritons micelles
Characterization of non-ionic surfactant aggregates by fluorometric techniques, 45
- Twisted intramolecular charge-transfer state
Nonlinear dependence of solvent polarity effects on twisted intramolecular charge-transfer states and linear relation for electronic spectra in a stilbazolium-like dye, 93
- Water
Photochemical degradation study of irgarol 1051 in natural waters: influence of humic and fulvic substances on the reaction, 135
- Water-soluble fraction (WSF)
Photocatalytic decomposition of seawater-soluble crude-oil fractions using high surface area colloid nanoparticles of TiO₂, 205
- Yang reaction
Photocyclization of an isopentafulvene–benzoquinone adduct: a vinylous Norrish–Yang reaction, 109