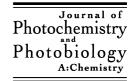


Journal of Photochemistry and Photobiology A: Chemistry 128 (1999) 157-159



www.elsevier.nl/locate/jphotochem

Subject Index of Volume 128

Acenaphthylene

Sensitized electron transfer photooxygenation of acenaphthylene via competing sequential processes, 57

Anils

Photoactivation of the thermochromic solid di-anil of 2-hydroxy-5-methyl-isophthalaldehyde in β -cyclodextrin, 97

AOT

Photochemistry of nitrite and nitrate in aqueous solution: a review, 1 Aqueous ethanol

Photoredox chemistry of mercury ions in aqueous ethanol solutions, 33

Benzamide derivatives

Spectroscopic studies of four new derivatives of benzamide, 39 Benzophenone

Comparative time-resolved photoconductivity and absorption spectroscopy studies on dark secondary reactions following the photoreduction of benzophenone by triethylamine, 47

Bisacridinium derivatives

Synthesis and characterization of new chloride-sensitive indicator dyes based on dynamic fluorescence quenching, 111

Bitropyls

Reduction of aryl tropylium ions by thermal hydride transfer or by photochemical reactions, 75

Catalytic oxidation

Photoredox chemistry of mercury ions in aqueous ethanol solutions, 33 Chloride probe

Synthesis and characterization of new chloride-sensitive indicator dyes based on dynamic fluorescence quenching, 111

Competing sequence

Sensitized electron transfer photooxygenation of acenaphthylene via competing sequential processes, 57

Cyanine dyes

Photochemistry of 2-[(1,3,3-trimethylindoline-2(1H)-ylidene)propen-1-yl]-3,3-dimethylindolino[1,2-b]-oxazolidine in solution, 93 β -Cyclodextrin

Photoactivation of the thermochromic solid di-anil of 2-hydroxy-5-methyl-isophthalaldehyde in β -cyclodextrin, 97

DBr

Kinetic study of the reactions of OH and OD with HBr and DBr, 15 Dimethylsulfoxide

Photo-isomerisation, triplet formation, and photo-degradation dynamics of indocyanine green solutions, 101

Dyeing photoinitiator

3-Benzoyl-7-diethylamino-5-methyl-1-phenyl-1H-quinoxalin-2-one: an effective dyeing photoinitiator for free radical polymerization, 135

Effect of the coinitiator

3-Benzoyl-7-diethylamino-5-methyl-1-phenyl-1H-quinoxalin-2-one: an effective dyeing photoinitiator for free radical polymerization, 135

Electrodeless discharge lamp

The electrodeless discharge lamp: a prospective tool for photochemistry, 145

Electron transfer

Reduction of aryl tropylium ions by thermal hydride transfer or by photochemical reactions, 75

Sensitized electron transfer photooxygenation of acenaphthylene via competing sequential processes, 57

Fe_2O_3

Synthesis and photocatalytic properties of HNbWO₆/TiO₂ and HNbWO₆/Fe₂O₃ nanocomposites, 129

Fluorescence quenching

Synthesis and characterization of new chloride-sensitive indicator dyes based on dynamic fluorescence quenching, 111

Fluorescence spectra

Spectroscopic studies of four new derivatives of benzamide, 39

GC-MS

Singlet oxygen degradation of lignin: a GC-MS study on the residual products of the singlet oxygen degradation of a steam exploded lignin from beech, 139

HBr

Kinetic study of the reactions of OH and OD with HBr and DBr 15

Heating effects

Photo-isomerisation, triplet formation, and photo-degradation dynamics of indocyanine green solutions, 101

$HNbWO_6$

Synthesis and photocatalytic properties of $HNbWO_6/TiO_2$ and $HNbWO_6/Fe_2O_3$ nanocomposites, 129

Human plasma

Photo-isomerisation, triplet formation, and photo-degradation dynamics of indocyanine green solutions, 101

Hydride transfer

Reduction of aryl tropylium ions by thermal hydride transfer or by photochemical reactions, 75

Hydrogen formation

UV photoinduced reduction of water to hydrogen in Na_2S , Na_2SO_3 , and $Na_2S_2O_4$ aqueous solutions, 27

Hydroxyl radical

Photochemistry of nitrite and nitrate in aqueous solution: a review, 1

Inclusion complex

Photoactivation of the thermochromic solid di-anil of 2-hydroxy-5methyl-isophthalaldehyde in β-cyclodextrin, 97

Indocyanine green

Photo-isomerisation, triplet formation, and photo-degradation dynamics of indocyanine green solutions, 101

Intercalation

Synthesis and photocatalytic properties of HNbWO₆/TiO₂ and HNbWO₆/Fe₂O₃ nanocomposites, 129

1010-6030/99/\$ – see front matter \odot 1999 Elsevier Science S.A. All rights reserved. PII: S1010-6030(99)00203-8

Intermediates

Photoredox chemistry of mercury ions in aqueous ethanol solu0tions, 33

Intersystem crossing

Photo-isomerisation, triplet formation, and photo-degradation dynamics of indocyanine green solutions, 101

Intramolecular charge-transfer

Spectroscopic studies of four new derivatives of benzamide, 39

Kinetic isotopic effect

Kinetic study of the reactions of OH and OD with HBr and DBr, 15 Kinetics of photoinduced polymerization

3-Benzoyl-7-diethylamino-5-methyl-1-phenyl-1H-quinoxalin-2-one: an effective dyeing photoinitiator for free radical polymerization, 135

Kinetics

Kinetic study of the reactions of OH and OD with HBr and DBr, 15

Lignin

Singlet oxygen degradation of lignin: a GC-MS study on the residual products of the singlet oxygen degradation of a steam exploded lignin from beech, 139

Mercury ions

Photoredox chemistry of mercury ions in aqueous ethanol solutions, 33 Microwave photochemistry

The electrodeless discharge lamp: a prospective tool for photochemistry, 145

Nanocomposites

Synthesis and photocatalytic properties of HNbWO₆/TiO₂ and HNbWO₆/Fe₂O₃ nanocomposites, 129

Nickel(II) chloride

Changes of poly(ethylene oxide) photostability by doping with nickel(II) chloride, 121

Nitrate ion

Photochemistry of nitrite and nitrate in aqueous solution: a review, 1

Photochemistry of nitrite and nitrate in aqueous solution: a review, 1

OD

Kinetic study of the reactions of OH and OD with HBr and DBr, 15 OH

Kinetic study of the reactions of OH and OD with HBr and DBr, 15

Peroxynitrite

Photochemistry of nitrite and nitrate in aqueous solution: a review, 1 Photo conductivity

Comparative time-resolved photoconductivity and absorption spectroscopy studies on dark secondary reactions following the photoreduction of benzophenone by triethylamine, 47

Photo-degradation

Photo-isomerisation, triplet formation, and photo-degradation dynamics of indocyanine green solutions, 101

Photo-isomerisation

Photo-isomerisation, triplet formation, and photo-degradation dynamics of indocyanine green solutions, 101

Photo-products

Investigation of the photochemistry and photophysics of para-substituted tertiary thiocinnamamides, 85

Photocatalyst

Synthesis and photocatalytic properties of HNbWO₆/TiO₂ and HNbWO₆/Fe₂O₃ nanocomposites, 129

Photochemistry

Photochemistry of 2-[(1,3,3-trimethylindoline-2(1H)-ylidene)propen-1-yl]-3,3-dimethylindolino[1,2-b]-oxazolidine in solution, 93

Reduction of aryl tropylium ions by thermal hydride transfer or by photochemical reactions, 75

Photochromism

Photoactivation of the thermochromic solid di-anil of 2-hydroxy-5-methyl-isophthalaldehyde in β-cyclodextrin, 97

Photodegradation

Changes of poly(ethylene oxide) photostability by doping with nickel(II) chloride, 121

Photoisomer lifetime

Photo-isomerisation, triplet formation, and photo-degradation dynamics of indocyanine green solutions, 101

Photolysis

Photochemistry of nitrite and nitrate in aqueous solution: a review, 1 Photooxidation

Changes of poly(ethylene oxide) photostability by doping with nickel(II) chloride, 121

Photoredo

Photoredox chemistry of mercury ions in aqueous ethanol solutions, 33

Photoreducrion

Comparative time-resolved photoconductivity and absorption spectroscopy studies on dark secondary reactions following the photoreduction of benzophenone by triethylamine, 47

Photoxygenation

Sensitized electron transfer photooxygenation of acenaphthylene via competing sequential processes, 57

Poly(ethylene oxide)

Changes of poly(ethylene oxide) photostability by doping with nickel(II) chloride, 121

Proton reduction

UV photoinduced reduction of water to hydrogen in Na₂S, Na₂SO₃, and Na₂S₂O₄ aqueous solutions, 27

Quantum yield

Investigation of the photochemistry and photophysics of para-substituted tertiary thiocinnamamides, 85

Rate constant

Kinetic study of the reactions of OH and OD with HBr and DBr, 15 Reaction

Kinetic study of the reactions of OH and OD with HBr and DBr, 15 Ring-chain equilibrium

Photochemistry of 2-[(1,3,3-trimethylindoline-2(1H)-ylidene)propen-1-yl]-3,3-dimethylindolino[1,2-b]-oxazolidine in solution, 93

Salt effect

Comparative time-resolved photoconductivity and absorption spectroscopy studies on dark secondary reactions following the photoreduction of benzophenone by triethylamine, 47

Singlet oxygen

Singlet oxygen degradation of lignin: a GC-MS study on the residual products of the singlet oxygen degradation of a steam exploded lignin from beech, 139

Solvatochromism

Photochemistry of 2-[(1,3,3-trimethylindoline-2(1H)-ylidene)propen-1-yl]-3,3-dimethylindolino[1,2-b]-oxazolidine in solution, 93

Solvent effects

The electrodeless discharge lamp: a prospective tool for photochemistry, 145

Thermochromism

Photoactivation of the thermochromic solid di-anil of 2-hydroxy-5methyl-isophthalaldehyde in β-cyclodextrin, 97

Thiocinnamamide

Investigation of the photochemistry and photophysics of para-substituted tertiary thiocinnamamides, 85

TiO_2

Synthesis and photocatalytic properties of $HNbWO_6/TiO_2$ and $HNbWO_6/Fe_2O_3$ nanocomposites, 129

Transient absorphion

Comparative time-resolved photoconductivity and absorption spectroscopy studies on dark secondary reactions following the photoreduction of benzophenone by triethylamine, 47

Triplet lifetime

Photo-isomerisation, triplet formation, and photo-degradation dynamics of indocyanine green solutions, 101

Triplet quantum yield

Photo-isomerisation, triplet formation, and photo-degradation dynamics of indocyanine green solutions, 101

Tropylium salts

Reduction of aryl tropylium ions by thermal hydride transfer or by photochemical reactions, 75

Type II reaction

The electrodeless discharge lamp: a prospective tool for photochemistry, 145

UV light irradiation

UV photoinduced reduction of water to hydrogen in Na $_2$ S, Na $_2$ SO $_3$, and Na $_2$ S $_2$ O $_4$ aqueous solutions, 27

Valerophenone

The electrodeless discharge lamp: a prospective tool for photochemistry, 145

Visible light

Synthesis and photocatalytic properties of HNbWO₆/TiO₂ and HNbWO₆/Fe₂O₃ nanocomposites, 129