



ELSEVIER

Journal of Photochemistry and Photobiology A: Chemistry 123 (1999) 149–151

Journal of
Photochemistry
and
Photobiology
A: Chemistry

Subject Index of Volume 123

Absorption

Absorption and emission spectroscopic studies of fluorescein dye in alkanol, micellar and microemulsion media, 121

Alkanol

Absorption and emission spectroscopic studies of fluorescein dye in alkanol, micellar and microemulsion media, 121

Aqueous media

Homogeneous and heterogeneous photocatalytic reactions involving As(III) and As(V) species in aqueous media, 137

As(III) and As(V) species

Homogeneous and heterogeneous photocatalytic reactions involving As(III) and As(V) species in aqueous media, 137

Catalysis

Photochemistry and photophysics of donor-acceptor-polyenes. I: *all-trans*-4-dimethylamino-4'-cyano-1,4-diphenylbutadiene (DCB), 99

Cetyl trimethyl ammonium bromide

Use of micelles in photogalvanic cells for solar energy conversion and storage: cetyl trimethyl ammonium bromide-glucose-toluidine blue system, 93

Chlorofluorocarbons

Gas phase photochemistry of perfluoropropyl fluoride and perfluoropropyl chloride, 1

cis-trans-Photoisomerisation

Photochemistry of 1-cyclohexenyl phenyl ketone in enol ether solvents. Trapping of the primary photoproduct by formation of [4+2] adducts in high yields, 31

Conversion efficiency

Use of micelles in photogalvanic cells for solar energy conversion and storage: cetyl trimethyl ammonium bromide-glucose-toluidine blue system, 93

Cyclobutadiene

Dewar pyridine studied by matrix isolation infrared spectroscopy and DFT calculation, 25

[4 + 2] Cycloaddition

Photochemistry of 1-cyclohexenyl phenyl ketone in enol ether solvents. Trapping of the primary photoproduct by formation of [4+2] adducts in high yields, 31

β -Cyclodextrin

Dual fluorescence of 2-(4'-*N,N*-dimethylaminophenyl)benzimidazole: effect of β -cyclodextrin and pH, 109

Dewar pyridine

Dewar pyridine studied by matrix isolation infrared spectroscopy and DFT calculation, 25

N,N-dimethylaminophenyl(benzimidazole)

Dual fluorescence of 2-(4'-*N,N*-dimethylaminophenyl)benzimidazole: effect of β -cyclodextrin and pH, 109

Diphenylbutadiene

Photochemistry and photophysics of donor-acceptor-polyenes. I: *all-trans*-4-dimethylamino-4'-cyano-1,4-diphenylbutadiene (DCB), 99

Donor-acceptor

Photochemistry and photophysics of donor-acceptor-polyenes. I: *all-trans*-4-dimethylamino-4'-cyano-1,4-diphenylbutadiene (DCB), 99

Drugs photolability

The photoreactions of trimethoprim in solution, 47

Drugs photoreactivity

The photoreactions of trimethoprim in solution, 47

Electrodeless UV lamp

Microwave photochemistry. Photoinitiated radical addition of tetrahydrofuran to perfluorohexylethene under microwave irradiation, 21

Electron spin resonance

ESR studies of the photodynamic properties of a long-wavelength and water-soluble hypochlorin B derivative: photogeneration of semiquinone radical anion and activated oxygen, 39

Electron transfer

Excitation energy transfer and photo-induced electron transfer in axial bispyrenyl phosphorus porphyrin derivatives: factors governing the competition between energy and electron transfer processes under the existence of intramolecular π - π interaction, 67

Photophysical and electrochemical redox properties of fixed distance porphyrin-quinone systems, 77

Solvent effects on rates of photochemical reactions of rose bengal triplet state studied by nanosecond laser photolysis, 53

Emission

Absorption and emission spectroscopic studies of fluorescein dye in alkanol, micellar and microemulsion media, 121

Energy transfer

Solvent effects on rates of photochemical reactions of rose bengal triplet state studied by nanosecond laser photolysis, 53

Energy

Excitation energy transfer and photo-induced electron transfer in axial bispyrenyl phosphorus porphyrin derivatives: factors governing the competition between energy and electron transfer processes under the existence of intramolecular π - π interaction, 67

Enol ethers

Photochemistry of 1-cyclohexenyl phenyl ketone in enol ether solvents. Trapping of the primary photoproduct by formation of [4+2] adducts in high yields, 31

ESIPT

Excited state acidity of bifunctional compounds. 6. A novel, high fluorescence quantum yield, excited state intramolecular proton transfer compound: 2-hydroxyphenyl-lapazole in non-protic solvents, 61

Exciplex

Solvent effects on rates of photochemical reactions of rose bengal triplet state studied by nanosecond laser photolysis, 53

Excited state equilibrium

Excited state acidity of bifunctional compounds. 6. A novel, high fluorescence quantum yield, excited state intramolecular proton transfer compound: 2-hydroxyphenyl-lapazole in non-protic solvents, 61

Ferric tris(bipyridine)

Synthesis of covalently linked ferric tris(bipyridyl) – viologen molecule and photo coloration in poly(vinylalcohol), 87

- Fill factor
Use of micelles in photogalvanic cells for solar energy conversion and storage: cetyl trimethyl ammonium bromide-glucose-toluidine blue system, 93
- Fluorescein
Absorption and emission spectroscopic studies of fluorescein dye in alkanol, micellar and microemulsion media, 121
- Fluorescence
Dual fluorescence of 2-(4'-*N,N*-dimethylaminophenyl)benzimidazole: effect of β -cyclodextrin and pH, 109
Photochemistry and photophysics of donor-acceptor-polyenes. I: *all-trans*-4-dimethylamino-4'-cyano-1,4-diphenylbutadiene (DCB), 99
- High fluorescence quantum yield
Excited state acidity of bifunctional compounds. 6. A novel, high fluorescence quantum yield, excited state intramolecular proton transfer compound: 2-hydroxyphenyl-lapazole in non-protic solvents, 61
- Homogeneous and heterogeneous photocatalytic reactions
Homogeneous and heterogeneous photocatalytic reactions involving As(III) and As(V) species in aqueous media, 137
- Hydrogen abstraction
Solvent effects on rates of photochemical reactions of rose bengal triplet state studied by nanosecond laser photolysis, 53
- Infrared spectra
Dewar pyridine studied by matrix isolation infrared spectroscopy and DFT calculation, 25
- Intramolecular electron transfer
Synthesis of covalently linked ferric tris(bipyridil) – viologen molecule and photo coloration in poly(vinylalcohol), 87
- Laser photolysis
Solvent effects on rates of photochemical reactions of rose bengal triplet state studied by nanosecond laser photolysis, 53
- Matrix isolation
Dewar pyridine studied by matrix isolation infrared spectroscopy and DFT calculation, 25
- Micelles (SDS, CTAB, Triton X-100)
Absorption and emission spectroscopic studies of fluorescein dye in alkanol, micellar and microemulsion media, 121
- Microemulsion (water/AOT/heptane)
Absorption and emission spectroscopic studies of fluorescein dye in alkanol, micellar and microemulsion media, 121
- Microwave irradiation
Microwave photochemistry. Photoinitiated radical addition of tetrahydrofuran to perfluorohexylethene under microwave irradiation, 21
- Naphthalene
Mechanism of the photochemical transformation of naphthalene in water, 15
- 2-Oxyallyl
Photochemistry of 1-cyclohexenyl phenyl ketone in enol ether solvents. Trapping of the primary photoproduct by formation of [4+2] adducts in high yields, 31
- Photo-induced coloration
Synthesis of covalently linked ferric tris(bipyridil) – viologen molecule and photo coloration in poly(vinylalcohol), 87
- Photochemistry
Gas phase photochemistry of perfluoropropyl fluoride and perfluoropropyl chloride, 1
Photochemistry and photophysics of donor-acceptor-polyenes. I: *all-trans*-4-dimethylamino-4'-cyano-1,4-diphenylbutadiene (DCB), 99
- Photodynamic action
ESR studies of the photodynamic properties of a long-wavelength and water-soluble hypocrellin B derivative: photogeneration of semiquinone radical anion and activated oxygen, 39
- Photoinitiation
Microwave photochemistry. Photoinitiated radical addition of tetrahydrofuran to perfluorohexylethene under microwave irradiation, 21
- Photoionization
Mechanism of the photochemical transformation of naphthalene in water, 15
- Photomineralization
Flow actinometry in a thin film reactor: modeling and measurements, 7
- Phototransformation
Mechanism of the photochemical transformation of naphthalene in water, 15
- Polyenes
Photochemistry and photophysics of donor-acceptor-polyenes. I: *all-trans*-4-dimethylamino-4'-cyano-1,4-diphenylbutadiene (DCB), 99
- Polymethacrylic acid
Time-resolved fluorescence spectroscopy of quinine dication free and bound to polymethacrylic acid, 129
- Porphyrin
Excitation energy transfer and photo-induced electron transfer in axial bispyrenyl phosphorus porphyrin derivatives: factors governing the competition between energy and electron transfer processes under the existence of intramolecular π - π interaction, 67
- Porphyrin-quinone systems
Photophysical and electrochemical redox properties of fixed distance porphyrin-quinone systems, 77
- Potassium trioxalatoferrate(III) actinometry
Flow actinometry in a thin film reactor: modeling and measurements, 7
- Power point
Use of micelles in photogalvanic cells for solar energy conversion and storage: cetyl trimethyl ammonium bromide-glucose-toluidine blue system, 93
- Pyrene
Excitation energy transfer and photo-induced electron transfer in axial bispyrenyl phosphorus porphyrin derivatives: factors governing the competition between energy and electron transfer processes under the existence of intramolecular π - π interaction, 67
- Quantum yield
Photochemistry of 1-cyclohexenyl phenyl ketone in enol ether solvents. Trapping of the primary photoproduct by formation of [4+2] adducts in high yields, 31
- Quantum yields
Gas phase photochemistry of perfluoropropyl fluoride and perfluoropropyl chloride, 1
- Quinine
Time-resolved fluorescence spectroscopy of quinine dication free and bound to polymethacrylic acid, 129
- Radical addition
Microwave photochemistry. Photoinitiated radical addition of tetrahydrofuran to perfluorohexylethene under microwave irradiation, 21
- Radical
Gas phase photochemistry of perfluoropropyl fluoride and perfluoropropyl chloride, 1
- Reaction mechanism
Dewar pyridine studied by matrix isolation infrared spectroscopy and DFT calculation, 25
- Reactive oxygen species
ESR studies of the photodynamic properties of a long-wavelength and water-soluble hypocrellin B derivative: photogeneration of semiquinone radical anion and activated oxygen, 39
- Redox-properties
Photophysical and electrochemical redox properties of fixed distance porphyrin-quinone systems, 77

- Rose bengal
Solvent effects on rates of photochemical reactions of rose bengal triplet state studied by nanosecond laser photolysis, 53
- Semiquinone radical anion
ESR studies of the photodynamic properties of a long-wavelength and water-soluble hypocrellin B derivative: photogeneration of semiquinone radical anion and activated oxygen, 39
- Solvent effects
Solvent effects on rates of photochemical reactions of rose bengal triplet state studied by nanosecond laser photolysis, 53
- Thin film reactor
Flow actinometry in a thin film reactor: modeling and measurements, 7
- Time-resolved fluorescence spectroscopy
Time-resolved fluorescence spectroscopy of quinine dication free and bound to polymethacrylic acid, 129
- Time-resolved studies
Photophysical and electrochemical redox properties of fixed distance porphyrin–quinone systems, 77
- TiO₂
Flow actinometry in a thin film reactor: modeling and measurements, 7
- trans*-1-Cyclohexenyl phenyl ketone
Photochemistry of 1-cyclohexenyl phenyl ketone in enol ether solvents. Trapping of the primary photoproduct by formation of [4+2] adducts in high yields, 31
- Triads
Excitation energy transfer and photo-induced electron transfer in axial bispyrenyl phosphorus porphyrin derivatives: factors governing the competition between energy and electron transfer processes under the existence of intramolecular π – π interaction, 67
- Trimethoprim
The photoreactions of trimethoprim in solution, 47
- Triplet
Solvent effects on rates of photochemical reactions of rose bengal triplet state studied by nanosecond laser photolysis, 53
- Type I and II photooxidation
The photoreactions of trimethoprim in solution, 47
- Viologen
Synthesis of covalently linked ferric tris(bipyridil) – viologen molecule and photo coloration in poly(vinylalcohol), 87
- Water
Mechanism of the photochemical transformation of naphthalene in water, 15