

Journal of Photochemistry and Photobiology A: Chemistry 131 (2000) 149-151

Photochemistry
Photobiology
A:Chemistry

www.elsevier.nl/locate/jphotochem

Subject Index of Volume 131

Ab initio

Theoretical studies on mechanism of primary electronic transfer in the photosynthetic reaction center of *Rhodopseuodomonas Virid*, 85 Absorption

Photophysics of a phenyl-pyridinium cation with hindered rotation, 17 Amino acids

Laser flash photolysis and time resolved CIDNP study of photoreaction of 2,2'-dipyridyl with *N*-acetyl tyrosine in aqueous solutions, 33 1-Aminonaphthalene (1-AN)

Anion effect in linear silver nanoparticle aggregation as evidenced by efficient fluorescence quenching and SERS enhancement, 111

Aniline

Kinetics of photocatalytic degradation of aniline in water over TiO₂ supported on porous nickel, 125

3-arylmethylene-1(3H)-isobenzofuranones

Photophysical properties of some derivatives of 3-arylmethylene-1(3H)-isobenzofuranone. Indication of intermolecular hydrogenbond formation in the singlet excited state, 23

Azobenzene

Photoresponsive lower-rim azobenzene substituted and bridged calix[4]arenes, 41

Bridged calixarenes

Photoresponsive lower-rim azobenzene substituted and bridged calix[4]arenes, 41

Carboxyquinolines

Radiochemiluminescence of carboxyquinolines, 55

Chemiluminescence

Radiochemiluminescence of carboxyquinolines, 55

CIDNP

Laser flash photolysis and time resolved CIDNP study of photoreaction of 2,2'-dipyridyl with *N*-acetyl tyrosine in aqueous solutions, 33 Collisional dissociation

The effect of fluence in collisional dissociation of Si₂F₆, 13 Colloids

Anion effect in linear silver nanoparticle aggregation as evidenced by efficient fluorescence quenching and SERS enhancement, 111

Dapoxyl dyes

Fluorescent molecular probes VI. The spectral properties and potential biological applications of water-soluble DapoxylTM sulfonic acid, 95

Dihydroquinolines

Radiochemiluminescence of carboxyquinolines, 55

β-Diketonates

Singlet–singlet energy transfer from ketone to lanthanide ion β -diketonates as studied by chemiluminescence quenching. First observation of infrared chemiluminescence of neodymium (III) and ytterbium (III) in solution, 61

Dimethyl-β-CD complexes

Dual emission from 4-dimethylaminobenzonitrile in cyclodextrin derivatives, 101

4-Dimethylaminobenzonitrile

Dual emission from 4-dimethylaminobenzonitrile in cyclodextrin derivatives, 101

Dioxetane

Singlet–singlet energy transfer from ketone to lanthanide ion β -diketonates as studied by chemiluminescence quenching. First observation of infrared chemiluminescence of neodymium (III) and ytterbium (III) in solution, 61

Dipyridyl

Laser flash photolysis and time resolved CIDNP study of photoreaction of 2,2'-dipyridyl with *N*-acetyl tyrosine in aqueous solutions, 33 Dual emission

Dual emission from 4-dimethylaminobenzonitrile in cyclodextrin derivatives, 101

Electron transfer

Theoretical studies on mechanism of primary electronic transfer in the photosynthetic reaction center of *Rhodopseuodomonas Virid*, 85

Unique solvent properties of straight-chain carboxylic acids for electron-transfer photoreactions, 27

Electronic spectra

Photophysical properties of some derivatives of 3-arylmethylene-1(3H)-isobenzofuranone. Indication of intermolecular hydrogenbond formation in the singlet excited state, 23

Electronic structure

Theoretical studies on mechanism of primary electronic transfer in the photosynthetic reaction center of *Rhodopseuodomonas Virid*, 85

Energy-transfei

Singlet–singlet energy transfer from ketone to lanthanide ion β -diketonates as studied by chemiluminescence quenching. First observation of infrared chemiluminescence of neodymium (III) and ytterbium (III) in solution, 61

Flash photolysis

Laser flash photolysis and time resolved CIDNP study of photoreaction of 2,2'-dipyridyl with *N*-acetyl tyrosine in aqueous solutions, 33

Fluorescence

Photophysical properties of some derivatives of 3-arylmethylene-1(3H)-isobenzofuranone. Indication of intermolecular hydrogenbond formation in the singlet excited state, 23

Fluorescent molecular probes VI. The spectral properties and potential biological applications of water-soluble DapoxylTM sulfonic acid, 95

Anion effect in linear silver nanoparticle aggregation as evidenced by efficient fluorescence quenching and SERS enhancement, 111

Fluorescence spectroscopies

Photophysics of a phenyl-pyridinium cation with hindered rotation, 17

Gas phase

Gas-phase infrared laser photolysis of phenylsilane, 1

Hexafluorodisilane

The effect of fluence in collisional dissociation of Si₂F₆, 13

Hydroxypropyl-β-CD

Dual emission from 4-dimethylaminobenzonitrile in cyclodextrin derivatives, 101

ICD spectra

Dual emission from 4-dimethylaminobenzonitrile in cyclodextrin derivatives, 101

Immobilized titanium dioxide

Kinetics of photocatalytic degradation of aniline in water over TiO₂ supported on porous nickel, 125

Intermolecular hydrogen bonds

Photophysical properties of some derivatives of 3-arylmethylene-1(3H)-isobenzofuranone. Indication of intermolecular hydrogenbond formation in the singlet excited state, 23

Internal hindered rotation

Photophysics of a phenyl-pyridinium cation with hindered rotation, 17

IR multiphoton laser photolysis

Gas-phase infrared laser photolysis of phenylsilane, 1

Lifetime

Dual emission from 4-dimethylaminobenzonitrile in cyclodextrin derivatives, 101

Macrocycles

Photooxidation of some nickel(II) macrocyclic complexes in non-aqueous solvents. 75

2-methoxycytosine

The study of far UV irradiation of 2-methoxycytosine in phosphate solution and its novel photoproduct, 49

Multiphoton dissociation

The effect of fluence in collisional dissociation of Si₂F₆, 13

N,N-dimethylaniline (DMA)

p-Nitronaphthylaniline in the presence of N,N-dimethylaniline as bimolecular photoinitiating system of polymerization, 133

Neodymium

Singlet–singlet energy transfer from ketone to lanthanide ion β -diketonates as studied by chemiluminescence quenching. First observation of infrared chemiluminescence of neodymium (III) and ytterbium (III) in solution, 61

Nickel(II) complexes

Photooxidation of some nickel(II) macrocyclic complexes in non-aqueous solvents, 75

Non-aqueous solvents

Photooxidation of some nickel(II) macrocyclic complexes in non-aqueous solvents, 75

Oxazole

Fluorescent molecular probes VI. The spectral properties and potential biological applications of water-soluble DapoxylTM sulfonic acid, 95

P960-Rps. Virid

Theoretical studies on mechanism of primary electronic transfer in the photosynthetic reaction center of *Rhodopseuodomonas Virid*, 85

p-Nitroaniline (pNA)

p-Nitronaphthylaniline in the presence of N,N-dimethylaniline as bimolecular photoinitiating system of polymerization, 133

p-Nitronaphthylaniline (NNA)

p-Nitronaphthylaniline in the presence of *N*,*N*-dimethylaniline as bimolecular photoinitiating system of polymerization, 133

Phenyl pyridinium cations

Photophysics of a phenyl-pyridinium cation with hindered rotation, 17 Phenylsilane

Gas-phase infrared laser photolysis of phenylsilane, 1

Photocatalytic degradation

Kinetics of photocatalytic degradation of aniline in water over TiO₂ supported on porous nickel, 125

Photochemical

p-Nitronaphthylaniline in the presence of N,N-dimethylaniline as bimolecular photoinitiating system of polymerization, 133

Photochemistry

Photochemical and photophysical properties of [Mn(imidazole)(CO)₃-(phen)](SO₃CF₃) complexes, 67

Photoinitiation activity

Photocalorimetric study on the photoinitiation activity of water soluble copolymers with pendent benzil moieties, 141

Photoinitiator

p-Nitronaphthylaniline in the presence of N,N-dimethylaniline as bimolecular photoinitiating system of polymerization, 133

Photoisomerization

Photoresponsive lower-rim azobenzene substituted and bridged calix[4]arenes, 41

Photolysis

p-Nitronaphthylaniline in the presence of *N*,*N*-dimethylaniline as bimolecular photoinitiating system of polymerization, 133

Photooxidation

Photooxidation of some nickel(II) macrocyclic complexes in non-aqueous solvents, 75

Photophysics

Photochemical and photophysical properties of [Mn(imidazole)(CO)₃-(phen)](SO₃CF₃) complexes, 67

Photopolymerisation

Photocalorimetric study on the photoinitiation activity of water soluble copolymers with pendent benzil moieties, 141

Photoproduct

The study of far UV irradiation of 2-methoxycytosine in phosphate solution and its novel photoproduct, 49

Polymerization

p-Nitronaphthylaniline in the presence of N,N-dimethylaniline as bimolecular photoinitiating system of polymerization, 133

Py-scale

Unique solvent properties of straight-chain carboxylic acids for electron-transfer photoreactions, 27

Quinolinones

Radiochemiluminescence of carboxyquinolines, 55

Radiochemiluminescence

Radiochemiluminescence of carboxyquinolines, 55

Radiolysis

Radiochemiluminescence of carboxyquinolines, 55

Semiempirical calculation

Photophysics of a phenyl-pyridinium cation with hindered rotation, 17 SERS

Anion effect in linear silver nanoparticle aggregation as evidenced by efficient fluorescence quenching and SERS enhancement, 111

Solvatochromic

Fluorescent molecular probes VI. The spectral properties and potential biological applications of water-soluble DapoxylTM sulfonic acid, 95

Solvent effect

Fluorescent molecular probes VI. The spectral properties and potential biological applications of water-soluble DapoxylTM sulfonic acid, 95

Straight-chain carboxylic acid

Unique solvent properties of straight-chain carboxylic acids for electron-transfer photoreactions, 27

Supramolecular chemistry

Photoresponsive lower-rim azobenzene substituted and bridged calix[4]arenes, 41

Tetrafluorosilane

The effect of fluence in collisional dissociation of Si₂F₆, 13

Tricarbonyl-manganese(I) complexes

Photochemical and photophysical properties of [Mn(imidazole)(CO)₃-(phen)](SO₃CF₃) complexes, 67

Twisted intramolecular charge transfer

Fluorescent molecular probes VI. The spectral properties and potential biological applications of water-soluble DapoxylTM sulfonic acid, 95

Tyrosine

Laser flash photolysis and time resolved CIDNP study of photoreaction of 2,2'-dipyridyl with *N*-acetyl tyrosine in aqueous solutions, 33

UV irradiation

Anion effect in linear silver nanoparticle aggregation as evidenced by efficient fluorescence quenching and SERS enhancement, 111

UV irradiation

The study of far UV irradiation of 2-methoxycytosine in phosphate solution and its novel photoproduct, 49

UV spectroscopy

Photocalorimetric study on the photoinitiation activity of water soluble copolymers with pendent benzil moieties, 141

Water soluble benzil

Photocalorimetric study on the photoinitiation activity of water soluble copolymers with pendent benzil moieties, 141

Vtterhium

Singlet–singlet energy transfer from ketone to lanthanide ion β -diketonates as studied by chemiluminescence quenching. First observation of infrared chemiluminescence of neodymium (III) and ytterbium (III) in solution, 61