

Journal of Photochemistry and Photobiology A: Chemistry 109 (1997) 301-305

# Subject Index of Volume 109

#### Absorbance

the surfactant concentration-dependent behaviour of safranine T in Tween (20, 40, 60, 80) and Triton X-100 micellar media, 29

# Absorption

electro-optical and laser spectrofluorimetry study of coumarins 7 and 30: evidence for the existence of the close-lying electronic states and conformers, 287

### Absorption spectrum

effect of solvent on the photocontrolled coordination of aza analogues of 1-(9-anthryl)-2-phenylethene to a zinc porphyrin, 137

# 2-Acrylamidoanthraquinone

photochemistry and photopolymerization activity of monomers and copolymers of 2-substituted amidoanthraquinone and acryloxyanthraquinone with methyl methacrylate, 71

### 2-Acryloxyanthraquinone

photochemistry and photopolymerization activity of monomers and copolymers of 2-substituted amidoanthraquinone and acryloxyanthraquinone with methyl methacrylate, 71

### Adenine

effect of oxygen on the hydroxylation of adenine by photolytically generated hydroxyl radical, 133

# Adsorption

photochemical events during the photosensitization of colloidal  ${\rm TiO_2}$  particles by a squaraine dye, 159

## AgCl layer

photochemical water oxidation to oxygen at the solid/gas interface of AgCl on zeolite A, 47

# Aggregation number

the surfactant concentration-dependent behaviour of safranine T in Tween (20, 40, 60, 80) and Triton X-100 micellar media, 29

# Alkyl hyponitrites

chemiluminescence from the decomposition of alkyl hyponitrites in poly(methyl methacrylate) and polystyrene, 101

## Amino acids

photoelectrochemical decomposition of amino acids on a  ${\rm TiO_2/OTE}$  particulate film electrode, 165

# Aminophenols

the fate of organic nitrogen under photocatalytic conditions: degradation of nitrophenols and aminophenols on irradiated TiO<sub>2</sub>, 171

# Aromatic hydrocarbons

solvent effects on intermolecular photoinduced electron transfer reactions of aromatic molecules, 9

# Aromatic probes

application of diffuse reflectance laser-flash photolysis to the study of aromatic probes in  $\beta$ -cyclodextrin solid complexes, 293

## Aryl-viologen

redox photochromism of viologen in organized solid state, 35

# Aza analogues of 1-(9-anthryl)-2-phenylethene

effect of solvent on the photocontrolled coordination of aza analogues of 1-(9-anthryl)-2-phenylethene to a zinc porphyrin, 137

# Elsevier Science S.A.

# 2-Bromonaphthalene

room temperature phosphorescence of 2-bromonaphthalene in SDS rodlike micelles. 25

### Carbon dioxide

photocatalytic reduction of  $CO_2$  using  $TiO_2$  powders in liquid  $CO_2$  medium, 59

#### Cationic polymerisation

the photoinitiated polymerisation of 4-methylene-1,3-dioxolanes, 185

# Charge transfer

an improved phase-locked detection system for the observation of the magnetic field effect on exciplex luminescence: deviation from previously observed dielectric constant dependence, 95

### Charge transfer complexes

photophysical and electron transfer studies of a few 2,6-dimethyl-4-(alkylphenyl)pyrylium and thiopyrylium derivatives, 109

#### Chemical actinometer

chemical actinometer with 2-hydroxy-4'-dimethylaminochalcone, 91 Chloranil

photoinduced electron transfer reactions of chloranil with small-ring hydrocarbons. Contrasting reactivities of radical cation intermediates, 119

## Cobalt azide complex

after-effect in the oxidation of hydroquinone photoinduced by cobalt azide complex, 217

# Colloidal TiO2 particles

photochemical events during the photosensitization of colloidal TiO<sub>2</sub> particles by a squaraine dye, 159

## Conformer

electro-optical and laser spectrofluorimetry study of coumarins 7 and 30: evidence for the existence of the close-lying electronic states and conformers, 287

# Conjugated carboxylic acids

the photophysical properties of binary and ternary complexes of rare earths with conjugated carboxylic acids and 1,10-phenanthroline, 223

# Copolymer

photoelectrochemical studies on electrodes coated with polymer-bound porphyrin systems, 39

photochemistry and photopolymerization activity of monomers and copolymers of 2-substituted amidoanthraquinone and acryloxyanthraquinone with methyl methacrylate, 71

# Coulombic effect

tuning reverse ring closure in the photochromic and thermochromic transformation of 1',3',3'-trimethyl-6-nitrospiro[2*H*-1-benzo-pyran-2,2'-indoline] analogues by ionic moieties, 237

# Coumarin 30

electro-optical and laser spectrofluorimetry study of coumarins 7 and 30: evidence for the existence of the close-lying electronic states and conformers, 287

# Coumarin 7

electro-optical and laser spectrofluorimetry study of coumarins 7 and

30: evidence for the existence of the close-lying electronic states and conformers, 287

#### Cyanine dye

photosensitization of colloidal TiO2 with a cyanine dye, 155

#### Dehydration

the comparative investigation of the dehydration methods of uracil hydrate derivatives, 143

### Dielectric constant

an improved phase-locked detection system for the observation of the magnetic field effect on exciplex luminescence: deviation from previously observed dielectric constant dependence, 95

#### Dipole moment

electro-optical and laser spectrofluorimetry study of coumarins 7 and 30: evidence for the existence of the close-lying electronic states and conformers, 287

### Dual emission

dual emission of 2-(2'-hydroxyphenyl)-benzimidazole in reverse micelle, 259

#### Dyad compounds

fluorescence properties of dyad compounds containing 1,8-naphthalimide and 1,3,4-oxadiazole, 213

# Dye-doped sol-gel glasses

absorption and fluorescence spectroscopic analysis of rhodamine 6G and oxazine 750 in porous sol-gel glasses, 53

### Electroluminescence

fluorescence properties of dyad compounds containing 1,8-naphthalimide and 1,3,4-oxadiazole, 213

#### Electron transfer

effects of quencher concentration on bimolecular reaction rate in solution, 15

# Electron transfer reactions

role of excitation lifetime in electron transfer reactions,  $\boldsymbol{1}$ 

# Electro-optical method

electro-optical and laser spectrofluorimetry study of coumarins 7 and 30: evidence for the existence of the close-lying electronic states and conformers, 287

# s-cis Enone

photochemistry of 7,7-disubstituted 3,4,4*a*,5,6,7-hexahydro-4*a*-methyl-1(2*H*)-naphthalenones, 125

# Erasable memory

redox photochromism of viologen in organized solid state, 35

# N-Ethyl carbazole-1,4-dicyanobenzene exciplex

an improved phase-locked detection system for the observation of the magnetic field effect on exciplex luminescence: deviation from previously observed dielectric constant dependence, 95

# Excitation lifetime

role of excitation lifetime in electron transfer reactions, 1

## Fluorene

spectroscopy and photochemistry of fluorene at a silica gel/air interface, 229

# Fluorenone

spectroscopy and photochemistry of fluorene at a silica gel/air interface, 229

# Fluorescence

the surfactant concentration-dependent behaviour of safranine T in Tween (20, 40, 60, 80) and Triton X-100 micellar media, 29 electro-optical and laser spectrofluorimetry study of coumarins 7 and 30: evidence for the existence of the close-lying electronic states and conformers, 287

# Fluorescence lifetimes

photochemical events during the photosensitization of colloidal  ${\rm TiO_2}$  particles by a squaraine dye, 159

### Fluorescence quantum yield

absorption and fluorescence spectroscopic analysis of rhodamine 6G and oxazine 750 in porous sol-gel glasses, 53

### Fluorescence quenching

effects of quencher concentration on bimolecular reaction rate in solution, 15

photochemical events during the photosensitization of colloidal  ${\rm TiO_2}$  particles by a squaraine dye, 159

# FTIR-RTIR spectroscopy

the photoinitiated polymerisation of 4-methylene-1,3-dioxolanes, 185

### Gelsil

absorption and fluorescence spectroscopic analysis of rhodamine 6G and oxazine 750 in porous sol-gel glasses, 53

#### Glass fibre

phenol decomposition using  $M^{n+}/\text{TiO}_2$  photocatalysts supported by the sol–gel technique on glass fibres, 177

# Heterogeneous photocatalysis

a comparative study on the  ${\rm TiO_2}$  mediated photo-oxidation of uracil, thymine and 6-methyluracil, 147

# Hot photochemistry

UV photon-assisted incineration of polycyclic aromatic hydrocarbons at elevated temperatures between 150 and 800 °C, 267

#### Hydrates

the comparative investigation of the dehydration methods of uracil hydrate derivatives, 143

# Hydrogen-bonded enols

photochemistry of 7,7-disubstituted 3,4,4a,5,6,7-hexahydro-4a-methyl-1(2H)-naphthalenones, 125

### Hydroquinone

after-effect in the oxidation of hydroquinone photoinduced by cobalt azide complex, 217

# 2-Hydroxychalcone

chemical actinometer with 2-hydroxy-4'-dimethylaminochalcone, 91  $\,$  Hydroxyl radical

effect of oxygen on the hydroxylation of adenine by photolytically generated hydroxyl radical, 133

# Intramolecular energy transfer

fluorescence properties of dyad compounds containing 1,8-naphthalimide and 1,3,4-oxadiazole, 213

the photophysical properties of binary and ternary complexes of rare earths with conjugated carboxylic acids and 1,10-phenanthroline, 223

# Intramolecular proton transfer

dual emission of 2-(2'-hydroxyphenyl)-benzimidazole in reverse micelle 259

# Ionization

role of excitation lifetime in electron transfer reactions, 1

# Kinetics

role of excitation lifetime in electron transfer reactions, 1

# Kinetics of chemiluminescence

chemiluminescence from the decomposition of alkyl hyponitrites in poly(methyl methacrylate) and polystyrene, 101

# Laser flash photolysis

photoinduced electron transfer reactions of chloranil with small-ring hydrocarbons. Contrasting reactivities of radical cation intermediates. 119

application of diffuse reflectance laser-flash photolysis to the study of aromatic probes in  $\beta$ -cyclodextrin solid complexes, 293

# Laser photochemistry

photophysics and photochemistry of p-nitroaniline as photoinitiator, 77 Light absorber–electron acceptor dyad

a new class of light absorber-electron acceptor dyad, 201

### Liquid CO2 medium

photocatalytic reduction of CO<sub>2</sub> using TiO<sub>2</sub> powders in liquid CO<sub>2</sub> medium, 59

### Magnetic field effect

an improved phase-locked detection system for the observation of the magnetic field effect on exciplex luminescence: deviation from previously observed dielectric constant dependence, 95

#### Merocyanine

tuning reverse ring closure in the photochromic and thermochromic transformation of 1',3',3'-trimethyl-6-nitrospiro[2*H*-1-benzo-pyran-2,2'-indoline] analogues by ionic moieties, 237

# Methyl methacrylate

photochemistry and photopolymerization activity of monomers and copolymers of 2-substituted amidoanthraquinone and acryloxyanthraquinone with methyl methacrylate, 71

2-[2-(1-Methylpyridinium)]-3,5,6-tris(2-pyridyl)pyrazine a new class of light absorber–electron acceptor dyad, 201

#### Micelles

regioselectivity in the photodimerization of 9-hydroxy-methylanthracene and 9-anthracene carboxylic acid esters in surfactant systems, 251

#### $M^{n+}/TiO_2$ photocatalysts

phenol decomposition using  $M^{n+}/\text{TiO}_2$  photocatalysts supported by the sol–gel technique on glass fibres, 177

#### Modified thin film electrodes

photoelectrochemical studies on electrodes coated with polymer-bound porphyrin systems, 39

### Molecular oxygen

effect of oxygen on the hydroxylation of adenine by photolytically generated hydroxyl radical, 133

#### Nitroaniline

photophysics and photochemistry of p-nitroaniline as photoinitiator, 77 Nitrophenols

the fate of organic nitrogen under photocatalytic conditions: degradation of nitrophenols and aminophenols on irradiated TiO<sub>2</sub>, 171

## Nonradiative deactivation

properties of singlet molecular oxygen  $O_2(^1\Delta_{\,g})$  in binary solvent mixtures of different polarity and proticity, 243

# Organic contaminants

removal of organic contaminants in paper pulp treatment effluents by TiO<sub>2</sub> photocatalyzed oxidation, 281

# Organic nitrogen

the fate of organic nitrogen under photocatalytic conditions: degradation of nitrophenols and aminophenols on irradiated TiO<sub>2</sub>, 171

# Organized film

redox photochromism of viologen in organized solid state, 35

absorption and fluorescence spectroscopic analysis of rhodamine 6G and oxazine 750 in porous sol-gel glasses, 53

# Oxygen evolution

photochemical water oxidation to oxygen at the solid/gas interface of AgCl on zeolite A, 47

# Paper pulp

removal of organic contaminants in paper pulp treatment effluents by TiO<sub>2</sub> photocatalyzed oxidation, 281

# Phenol decomposition

phenol decomposition using  $M^{n+}/\text{TiO}_2$  photocatalysts supported by the sol–gel technique on glass fibres, 177

# Phenylmercaptotetrazole

the photocatalytic oxidation of phenylmer captotetrazole in  ${\rm TiO_2}$  dispersions, 65

# Phosphorescence

properties of singlet molecular oxygen  $O_2(^1\Delta_{\ g})$  in binary solvent mixtures of different polarity and proticity, 243

#### Photoaddition of alcohols

photochemistry of 7,7-disubstituted 3,4,4*a*,5,6,7-hexahydro-4*a*-methyl-1(2*H*)-naphthalenones, 125

#### Photocatalysis

the photocatalytic oxidation of phenylmer captotetrazole in  $\rm TiO_2$  dispersions, 65

photocatalytic oxidation of water to  $O_2$  on AgCl-coated electrodes, 87 Photocatalytic reduction

photocatalytic reduction of  $CO_2$  using  $TiO_2$  powders in liquid  $CO_2$  medium, 59

#### Photocatalytic transformation

the fate of organic nitrogen under photocatalytic conditions: degradation of nitrophenols and aminophenols on irradiated TiO<sub>2</sub>, 171

# Photocatalytic water oxidation

photocatalytic oxidation of water to  $\mathrm{O}_2$  on AgCl-coated electrodes, 87 Photochemical electron transfer

photoinduced electron transfer reactions of chloranil with small-ring hydrocarbons. Contrasting reactivities of radical cation intermedi-

# Photochemistry

photochemistry and photopolymerization activity of monomers and copolymers of 2-substituted amidoanthraquinone and acryloxyanthraquinone with methyl methacrylate, 71

spectroscopy and photochemistry of fluorene at a silica gel/air interface. 229

#### Photochromism

redox photochromism of viologen in organized solid state, 35 tuning reverse ring closure in the photochromic and thermochromic transformation of 1',3',3'-trimethyl-6-nitrospiro[2*H*-1-benzopyran-2,2'-indoline] analogues by ionic moieties, 237

# Photocontrolled coordination

effect of solvent on the photocontrolled coordination of aza analogues of 1-(9-anthryl)-2-phenylethene to a zinc porphyrin, 137

# Photocurrent

photoelectrochemical decomposition of amino acids on a  ${\rm TiO_2/OTE}$  particulate film electrode, 165

# Photodegradation

the photocatalytic oxidation of phenylmer captotetrazole in  ${\rm TiO_2}$  dispersions, 65

photoelectrochemical decomposition of amino acids on a  ${\rm TiO_2/OTE}$  particulate film electrode, 165

## Photodimerization

regioselectivity in the photodimerization of 9-hydroxy-methylanthracene and 9-anthracene carboxylic acid esters in surfactant systems, 251

# Photoelectrochemical properties

photoelectrochemical studies on electrodes coated with polymer-bound porphyrin systems, 39

## Photoelectron transfer

the mechanism of photochemical chain substitution of chlorine by sulpho group in 4-chloro-1-hydroxynaphthalene, 21

redox photochromism of viologen in organized solid state, 35

# Photoinduced electron transfer

solvent effects on intermolecular photoinduced electron transfer reactions of aromatic molecules, 9

photophysical and electron transfer studies of a few 2,6-dimethyl-4-(alkylphenyl)pyrylium and thiopyrylium derivatives, 109

photochemical events during the photosensitization of colloidal  ${\rm TiO_2}$  particles by a squaraine dye, 159

## Photoinduced oxidation

after-effect in the oxidation of hydroquinone photoinduced by cobalt azide complex, 217

# Photoinitiation of chain reactions

the mechanism of photochemical chain substitution of chlorine by sulpho group in 4-chloro-1-hydroxynaphthalene, 21

# Photoinitiator

photophysics and photochemistry of p-nitroaniline as photoinitiator, 77

#### cis-trans Photoisomerization

photochemistry of 7,7-disubstituted 3,4,4*a*,5,6,7-hexahydro-4*a*-methyl-1(2*H*)-naphthalenones, 125

#### Photooxidation

photoelectrochemical decomposition of amino acids on a  ${\rm TiO_2/OTE}$  particulate film electrode, 165

### Photo-oxidation of water

photochemical water oxidation to oxygen at the solid/gas interface of AgCl on zeolite A, 47

#### Photophysical properties

the photophysical properties of binary and ternary complexes of rare earths with conjugated carboxylic acids and 1,10-phenanthroline, 223

# Photopolymerization activity

photochemistry and photopolymerization activity of monomers and copolymers of 2-substituted amidoanthraquinone and acryloxyanthraquinone with methyl methacrylate, 71

#### Photosensitization

photosensitization of colloidal TiO2 with a cyanine dye, 155

#### Photosubstitution reactions

the mechanism of photochemical chain substitution of chlorine by sulpho group in 4-chloro-1-hydroxynaphthalene, 21

#### Photothermal method

applicability of the transient grating technique to the investigation of photoinduced processes following second order kinetics, 195

# Polarity

properties of singlet molecular oxygen  $O_2(^1\Delta_{\,g})$  in binary solvent mixtures of different polarity and proticity, 243

# Polycyclic aromatic hydrocarbons

UV photon-assisted incineration of polycyclic aromatic hydrocarbons at elevated temperatures between 150 and 800 °C, 267

#### Polymer matrix

chemiluminescence from the decomposition of alkyl hyponitrites in poly(methyl methacrylate) and polystyrene, 101

# Polymer-porphyrin

photoelectrochemical studies on electrodes coated with polymer-bound porphyrin systems, 39

## Proticity

properties of singlet molecular oxygen  $O_2(^1\Delta_g)$  in binary solvent mixtures of different polarity and proticity, 243

## Pyrimidine bases

a comparative study on the  ${\rm TiO_2}$  mediated photo-oxidation of uracil, thymine and 6-methyluracil, 147

# Pyrylium and thiopyrylium salts

photophysical and electron transfer studies of a few 2,6-dimethyl-4-(alkylphenyl) pyrylium and thiopyrylium derivatives, 109

## Quantum yield

chemical actinometer with 2-hydroxy-4'-dimethylaminochalcone, 91

# Radial distribution function

effects of quencher concentration on bimolecular reaction rate in solution, 15

## Radiative deactivation

properties of singlet molecular oxygen  $O_2(^1\Delta_{\ g})$  in binary solvent mixtures of different polarity and proticity, 243

# Radical cation intermediates

photoinduced electron transfer reactions of chloranil with small-ring hydrocarbons. Contrasting reactivities of radical cation intermediates, 119

# Radical cations

photophysical and electron transfer studies of a few 2,6-dimethyl-4-(alkylphenyl) pyrylium and thiopyrylium derivatives, 109

# Radical redox reaction

effect of oxygen on the hydroxylation of adenine by photolytically generated hydroxyl radical, 133

### Rare earth complexes

the photophysical properties of binary and ternary complexes of rare earths with conjugated carboxylic acids and 1,10-phenanthroline, 223

#### Rate constants

solvent effects on intermolecular photoinduced electron transfer reactions of aromatic molecules, 9

### Regioselectivity

regioselectivity in the photodimerization of 9-hydroxy-methylanthracene and 9-anthracene carboxylic acid esters in surfactant systems, 251

### Reverse micelle

dual emission of 2-(2'-hydroxyphenyl)-benzimidazole in reverse micelle. 259

#### Rhodamine 6G

absorption and fluorescence spectroscopic analysis of rhodamine 6G and oxazine 750 in porous sol-gel glasses, 53

#### Ring opening

the photoinitiated polymerisation of 4-methylene-1,3-dioxolanes, 185 Rodlike micelle

room temperature phosphorescence of 2-bromonaphthalene in SDS rodlike micelles, 25

## Room temperature phosphorescence

room temperature phosphorescence of 2-bromonaphthalene in SDS rodlike micelles, 25

#### Safranine T

the surfactant concentration-dependent behaviour of safranine T in Tween (20, 40, 60, 80) and Triton X-100 micellar media, 29

# Sandwich polymer

photoelectrochemical studies on electrodes coated with polymer-bound porphyrin systems, 39

# SDS

room temperature phosphorescence of 2-bromonaphthalene in SDS rodlike micelles, 25

# Self sensitization

photochemical water oxidation to oxygen at the solid/gas interface of AgCl on zeolite A, 47

# Semiconductor electrode

photoelectrochemical decomposition of amino acids on a  $\rm TiO_2/OTE$  particulate film electrode, 165

# Semiquinone radical

after-effect in the oxidation of hydroquinone photoinduced by cobalt azide complex, 217

# Silica gel

spectroscopy and photochemistry of fluorene at a silica gel/air interface, 229

## Silver chloride

photocatalytic oxidation of water to  $O_2$  on AgCl-coated electrodes, 87 Silver chloride electrodes

photocatalytic oxidation of water to O<sub>2</sub> on AgCl-coated electrodes, 87 Singlet molecular oxygen

properties of singlet molecular oxygen  $O_2(^1\Delta_g)$  in binary solvent mixtures of different polarity and proticity, 243

## Singlet quenching

solvent effects on intermolecular photoinduced electron transfer reactions of aromatic molecules, 9

# Small-ring hydrocarbons

photoinduced electron transfer reactions of chloranil with small-ring hydrocarbons. Contrasting reactivities of radical cation intermediates, 119

# Sol-gel technique

phenol decomposition using  $M^{n+}/TiO_2$  photocatalysts supported by the sol–gel technique on glass fibres, 177

## Solvent effects

effect of solvent on the photocontrolled coordination of aza analogues of 1-(9-anthryl)-2-phenylethene to a zinc porphyrin, 137

solvent effects on intermolecular photoinduced electron transfer reactions of aromatic molecules, 9

#### Solvent mixtures

properties of singlet molecular oxygen  $O_2(^1\Delta_g)$  in binary solvent mixtures of different polarity and proticity, 243

### Solvent parameters

the surfactant concentration-dependent behaviour of safranine T in Tween (20, 40, 60, 80) and Triton X-100 micellar media, 29

#### Spin probes

regioselectivity in the photodimerization of 9-hydroxy-methylanthracene and 9-anthracene carboxylic acid esters in surfactant systems, 251

# Spiropyran

tuning reverse ring closure in the photochromic and thermochromic transformation of 1',3',3'-trimethyl-6-nitrospiro[2*H*-1-benzo-pyran-2,2'-indoline] analogues by ionic moieties, 237

#### Squaraine dye

photochemical events during the photosensitization of colloidal TiO<sub>2</sub> particles by a squaraine dye, 159

# 2,3,5,6-Tetrakis(2-pyridyl)pyrazine

a new class of light absorber-electron acceptor dyad, 201

#### Thermochromisn

tuning reverse ring closure in the photochromic and thermochromic transformation of 1',3',3'-trimethyl-6-nitrospiro[2*H*-1-benzo-pyran-2,2'-indoline] analogues by ionic moieties, 237

## Time-resolved laser photolysis

fluorescence properties of dyad compounds containing 1,8-naphthalimide and 1,3,4-oxadiazole, 213

# TiO<sub>2</sub>

the photocatalytic oxidation of phenylmer captotetrazole in  ${\rm TiO_2}$  dispersions, 65

the fate of organic nitrogen under photocatalytic conditions: degradation of nitrophenols and aminophenols on irradiated TiO<sub>2</sub>, 171

# Titania

a comparative study on the  $\rm TiO_2$  mediated photo-oxidation of uracil, thymine and 6-methyluracil, 147

# Titanium dioxide

photocatalytic reduction of CO<sub>2</sub> using TiO<sub>2</sub> powders in liquid CO<sub>2</sub> medium, 59

photoelectrochemical decomposition of amino acids on a TiO<sub>2</sub>/OTE particulate film electrode, 165

#### Titanium dioxide colloid

photosensitization of colloidal  ${\rm TiO_2}$  with a cyanine dye, 155 Transient effects

effects of quencher concentration on bimolecular reaction rate in solution, 15

# Transient grating technique

applicability of the transient grating technique to the investigation of photoinduced processes following second order kinetics, 195

#### Triplet state

photochemistry of 7,7-disubstituted 3,4,4*a*,5,6,7-hexahydro-4*a*-methyl-1(2*H*)-naphthalenones, 125

#### Tweens

the surfactant concentration-dependent behaviour of safranine T in Tween (20, 40, 60, 80) and Triton X-100 micellar media, 29

# 5'UMP

the comparative investigation of the dehydration methods of uracil hydrate derivatives, 143

### Uracil

the comparative investigation of the dehydration methods of uracil hydrate derivatives, 143

### Uridine

the comparative investigation of the dehydration methods of uracil hydrate derivatives, 143

#### UV-photo assisted incineration

UV photon-assisted incineration of polycyclic aromatic hydrocarbons at elevated temperatures between 150 and 800 °C, 267

#### Vesicles

regioselectivity in the photodimerization of 9-hydroxy-methylanthracene and 9-anthracene carboxylic acid esters in surfactant systems, 251

# Water oxidation to oxygen

photocatalytic oxidation of water to O2 on AgCl-coated electrodes, 87

# Zeolite A

photochemical water oxidation to oxygen at the solid/gas interface of AgCl on zeolite A, 47

# Zinc 5,10,15,20-tetratolylporphyrin

effect of solvent on the photocontrolled coordination of aza analogues of 1-(9-anthryl)-2-phenylethene to a zinc porphyrin, 137