

Subject Index of Volume 196

- Ag/TiO₂-cotton composite fibres
Tailoring the activity of Ti-based photocatalysts by playing with surface morphology and silver doping, 165
- Aqueous polymerization
Chemical incorporation of thioxanthone into β-cyclodextrin and its use in aqueous photopolymerization of methyl methacrylate, 33
- Bacteriochlorins
Luminescence and photochemical studies of singlet oxygen photonics, 210
- Bacteriorhodopsin
Bacteriorhodopsin—Perspective biomaterial for molecular nanophotonics, 254
- Benzothiazolo[3,2-*a*]quinolines
A photochemical electrocyclization of the benzothiazolylphenylethenes involving a CN bond formation, 239
- Butylmethoxydibenzoylmethane
Photoreactivity of the sunscreen butylmethoxydibenzoylmethane (DBM) under various experimental conditions, 106
- Cadmium sulfide
Synthesis and optical properties of zeolite–semiconductor composites—New photocatalysts, 154
- Cadmium telluride
Femtosecond dynamics of CdTe quantum dots in water, 51
- Chemosensors
Photonics of organic photochromic systems: Modern trends, 180
- Chlorine dioxide
The photochemical decomposition of gaseous OClO at 436 nm: Dependence of products distribution on total pressure, 67
- Chlorine oxides photochemistry
The photochemical decomposition of gaseous OClO at 436 nm: Dependence of products distribution on total pressure, 67
- Chlorine perchlorate
The photochemical decomposition of gaseous OClO at 436 nm: Dependence of products distribution on total pressure, 67
- Clostridium perfringens*
Photocatalytic inactivation of *Clostridium perfringens* spores on TiO₂ electrodes, 113
- Color removal
The synergistic effect of ozonation and photocatalysis on color removal from reused water, 24
- Complex
Synthesis, characterization, and DNA-binding properties of the cobalt(II) and nickel(II) complexes with salicylaldehyde 2-phenylquinoline-4-carboylhydrazone, 77
- Crown ethers
A photochemical electrocyclization of the benzothiazolylphenylethenes involving a CN bond formation, 239
- Cyclodextrin
Chemical incorporation of thioxanthone into β-cyclodextrin and its use in aqueous photopolymerization of methyl methacrylate, 33
- Delayed fluorescence
Luminescence and photochemical studies of singlet oxygen photonics, 210
- Diarylethenes
Synthesis and chlorine atom position effect on the properties of unsymmetrical photochromic diarylethenes, 84
Photonics of organic photochromic systems: Modern trends, 180
Photochromic behavior of retinal analogs, 262
- Dichlorine hexoxide
The photochemical decomposition of gaseous OClO at 436 nm: Dependence of products distribution on total pressure, 67
- Disinfection
Photocatalytic inactivation of *Clostridium perfringens* spores on TiO₂ electrodes, 113
- DNA
Synthesis, characterization, and DNA-binding properties of the cobalt(II) and nickel(II) complexes with salicylaldehyde 2-phenylquinoline-4-carboylhydrazone, 77
- DNA nanostructure
DNA detection via programmed core-shell nanodot-assembly with concomitant fluorescence modulation, 94
- Electric-field effect
Direct measurements of the electric-field-induced change in fluorescence decay profile of a methylene-linked compound of pyrene, 227
- Electrocyclic reaction
A photochemical electrocyclization of the benzothiazolylphenylethenes involving a CN bond formation, 239
- Electron
Femtosecond dynamics of CdTe quantum dots in water, 51
- Electron phototransfer
Electron phototransfer in the initiating systems for the information registration, 197
- Energy-flow diagram
Characterizing the functional dynamics of zinc phthalocyanine from femtoseconds to nanoseconds, 99
- Escherichia coli*
Photocatalytic inactivation of *Clostridium perfringens* spores on TiO₂ electrodes, 113
- Ethyl 5-(4-aminophenyl)-3-amino-2,4-dicyanobenzoate
Red-edge and inhomogeneous broadening effects of the electronic spectra of ethyl 5-(4-aminophenyl)-3-amino-2,4-dicyanobenzoate, 38
- Excimer
Direct measurements of the electric-field-induced change in fluorescence decay profile of a methylene-linked compound of pyrene, 227
- Excimer emission
DNA detection via programmed core-shell nanodot-assembly with concomitant fluorescence modulation, 94
- Femtosecond
Femtosecond dynamics of CdTe quantum dots in water, 51
- Finely dispersed platinum
Surface nanocrystal hydrogen-bonded complex for photochemical water splitting, 138

- Fluorescence
- Femtosecond dynamics of CdTe quantum dots in water, 51
 - Direct measurements of the electric-field-induced change in fluorescence decay profile of a methylene-linked compound of pyrene, 227
 - Excited state behaviour of some thio-analogues of 1,3-distyrylbenzene, 233
- Fluorescence and laser properties
- Photonics and photochemical stability of aromatic molecules, family related in π -structure but different in planarity, rigidity and molecule symmetry, 219
- Fluorescent polarity probes
- Environment sensitive phenothiazine dyes strongly fluorescence in protic solvents, 10
- Fluorescent probes
- DNA detection via programmed core-shell nanodot-assembly with concomitant fluorescence modulation, 94
- Fulgimides
- Photonics of organic photochromic systems: Modern trends, 180
- Gold nanoparticles
- Studies on absorption spectra of uniform gold nanoparticles prepared in Triton X-100 reverse micelles, 174
- Groove binding
- Synthesis, characterization, and DNA-binding properties of the cobalt(II) and nickel(II) complexes with salicylaldehyde 2-phenylquinoline-4-carboylhydrazone, 77
- Heterogeneous catalysis
- Surface nanocrystal hydrogen-bonded complex for photochemical water splitting, 138
- Holes
- Femtosecond dynamics of CdTe quantum dots in water, 51
- Host guest complexes
- Chemical incorporation of thioxanthone into β -cyclodextrin and its use in aqueous photopolymerization of methyl methacrylate, 33
- In situ* observation
- Investigation of factors that influence TiO₂ photoassisted degradations under simultaneous illumination by UV and microwave radiation fields, 159
- Information recording
- Electron phototransfer in the initiating systems for the information registration, 197
- Inhomogeneous broadening
- Red-edge and inhomogeneous broadening effects of the electronic spectra of ethyl 5-(4-aminophenyl)-3-amino-2,4-dicyanobenzoate, 38
- Intermolecular hydrogen transfer
- An intermolecular hydrogen transfer process inducing triplet biradical photochromism of 1-methyl-2,4,4,6-tetraphenyl-1,4-dihydropyridine in the solid state, 59
- IR spectra
- An intermolecular hydrogen transfer process inducing triplet biradical photochromism of 1-methyl-2,4,4,6-tetraphenyl-1,4-dihydropyridine in the solid state, 59
- Isomerism and rotamerism
- Excited state behaviour of some thio-analogues of 1,3-distyrylbenzene, 233
- LC MS/MS
- Determination of products derived from *trans*-resveratrol UV photoisomerisation by means of HPLC-APCI-MS, 44
- Level-by-level photopolymerization
- Single-stage processes of polymer products photochemical synthesis with optical accuracy, 201
- Light-sensitive
- Light-sensitive polyaminoacids as bio-inspired molecular materials, 246
- Linked compound
- Direct measurements of the electric-field-induced change in fluorescence decay profile of a methylene-linked compound of pyrene, 227
- Magnesium phthalocyanine
- Surface nanocrystal hydrogen-bonded complex for photochemical water splitting, 138
- Magnesium phthalocyanine nanocrystals
- Surface nanocrystal hydrogen-bonded complex for photochemical water splitting, 138
- 1-Methyl-2,4,4,6-tetraphenyl-1,4-dihydropyridine
- An intermolecular hydrogen transfer process inducing triplet biradical photochromism of 1-methyl-2,4,4,6-tetraphenyl-1,4-dihydropyridine in the solid state, 59
- Microporous carbon
- Synthesis of ZnO-carbon composites and imprinted carbon by the pyrolysis of ZnCl₂-catalyzed furfuryl alcohol polymers, 143
- Microwave effect
- Investigation of factors that influence TiO₂ photoassisted degradations under simultaneous illumination by UV and microwave radiation fields, 159
- Modulation of light
- Photonics of organic photochromic systems: Modern trends, 180
- Molecular materials
- Light-sensitive polyaminoacids as bio-inspired molecular materials, 246
- Molecular nanophotonics
- Bacteriorhodopsin—Perspective biomaterial for molecular nanophotonics, 254
- Morphology
- Synthesis of ZnO-carbon composites and imprinted carbon by the pyrolysis of ZnCl₂-catalyzed furfuryl alcohol polymers, 143
- Multilayer structures
- Bacteriorhodopsin—Perspective biomaterial for molecular nanophotonics, 254
- Multilinear regression
- Environment sensitive phenothiazine dyes strongly fluorescence in protic solvents, 10
- Nanobiotechnology
- DNA detection via programmed core-shell nanodot-assembly with concomitant fluorescence modulation, 94
- Naphthalocyanines
- Luminescence and photochemical studies of singlet oxygen photonics, 210
- Neural networks
- Bacteriorhodopsin—Perspective biomaterial for molecular nanophotonics, 254
- OH radical
- Investigation of factors that influence TiO₂ photoassisted degradations under simultaneous illumination by UV and microwave radiation fields, 159
- Optical absorption spectra
- Studies on absorption spectra of uniform gold nanoparticles prepared in Triton X-100 reverse micelles, 174
- Optical accuracy
- Single-stage processes of polymer products photochemical synthesis with optical accuracy, 201
- Optical memory
- Photonics of organic photochromic systems: Modern trends, 180
- Optical properties
- Synthesis of ZnO-carbon composites and imprinted carbon by the pyrolysis of ZnCl₂-catalyzed furfuryl alcohol polymers, 143
- Organic-inorganic hybrids
- Light-sensitive polyaminoacids as bio-inspired molecular materials, 246
- Oxygen dimols
- Luminescence and photochemical studies of singlet oxygen photonics, 210
- Oxygen spectroscopy
- Luminescence and photochemical studies of singlet oxygen photonics, 210
- Ozonation
- The synergistic effect of ozonation and photocatalysis on color removal from reused water, 24
- Phenothiazines
- Environment sensitive phenothiazine dyes strongly fluorescence in protic solvents, 10

- Phosphorescence
Luminescence and photochemical studies of singlet oxygen photonics, 210
- Photocatalysis
The synergistic effect of ozonation and photocatalysis on color removal from reused water, 24
Photocatalytic inactivation of *Clostridium perfringens* spores on TiO₂ electrodes, 113
Tailoring the activity of Ti-based photocatalysts by playing with surface morphology and silver doping, 165
- Photochemical and electrochemical property
Synthesis and chlorine atom position effect on the properties of unsymmetrical photochromic diarylethenes, 84
- Photochemical synthesis
Single-stage processes of polymer products photochemical synthesis with optical accuracy, 201
- Photochemistry
Solid-state photochemistry of dirhenium carboxylates and the deposition of rhenium oxide thin films, 1
- Photochromic polymer films
Photochromic behaviour of Berry Red studied in solution and polymer films, 190
- Photochromism
An intermolecular hydrogen transfer process inducing triplet biradical photochromism of 1-methyl-2,4,4,6-tetraphenyl-1,4-dihydropyridine in the solid state, 59
Synthesis and chlorine atom position effect on the properties of unsymmetrical photochromic diarylethenes, 84
Tailoring the activity of Ti-based photocatalysts by playing with surface morphology and silver doping, 165
Photonics of organic photochromic systems: Modern trends, 180
Photochromic behaviour of Berry Red studied in solution and polymer films, 190
Photochromic behavior of retinal analogs, 262
- Photocyclization
A photochemical electrocyclicization of the benzothiazolyphenylethenes involving a CN bond formation, 239
- Photo-electrochemistry
Photocatalytic inactivation of *Clostridium perfringens* spores on TiO₂ electrodes, 113
- Photoisomerisation
Determination of products derived from *trans*-resveratrol UV photoisomerisation by means of HPLC–APCI-MS, 44
- Photoisomerization mechanism
Excited state behaviour of some thio-analogues of 1,3-distyrylbenzene, 233
- Photokinetics
Photochromic behaviour of Berry Red studied in solution and polymer films, 190
- Photoluminescence
An intermolecular hydrogen transfer process inducing triplet biradical photochromism of 1-methyl-2,4,4,6-tetraphenyl-1,4-dihydropyridine in the solid state, 59
- Photopolymerization
Chemical incorporation of thioxanthone into β -cyclodextrin and its use in aqueous photopolymerization of methyl methacrylate, 33
Electron phototransfer in the initiating systems for the information registration, 197
- Photosensitized water splitting
Surface nanocrystal hydrogen-bonded complex for photochemical water splitting, 138
- Photosensitizer
Characterizing the functional dynamics of zinc phthalocyanine from femtoseconds to nanoseconds, 99
- Photostability
Photoreactivity of the sunscreen butylmethoxydibenzoylmethane (DBM) under various experimental conditions, 106
- Phthalocyanine
Luminescence and photochemical studies of singlet oxygen photonics, 210
- Planarity
Photonics and photochemical stability of aromatic molecules, family related in π -structure but different in planarity, rigidity and molecule symmetry, 219
- Point defects
Photon-driven electron and atomic processes on solid-state surface in photoactivated spectroscopy and photocatalysis, 127
- Polyaminoacids
Light-sensitive polyaminoacids as bio-inspired molecular materials, 246
- Polypeptides
Light-sensitive polyaminoacids as bio-inspired molecular materials, 246
- Preparation
Studies on absorption spectra of uniform gold nanoparticles prepared in Triton X-100 reverse micelles, 174
- Pyrene
Direct measurements of the electric-field-induced change in fluorescence decay profile of a methylene-linked compound of pyrene, 227
- Quantum dots
Femtosecond dynamics of CdTe quantum dots in water, 51
- Real-time PCR
DNA detection via programmed core-shell nanodot-assembly with concomitant fluorescence modulation, 94
- Recombination
Femtosecond dynamics of CdTe quantum dots in water, 51
- Recording media
Photonics of organic photochromic systems: Modern trends, 180
- Red-edge effect
Red-edge and inhomogeneous broadening effects of the electronic spectra of ethyl 5-(4-aminophenyl)-3-amino-2,4-dicyanobenzoate, 38
- Relaxation
Femtosecond dynamics of CdTe quantum dots in water, 51
- Resveratrol
Determination of products derived from *trans*-resveratrol UV photoisomerisation by means of HPLC–APCI-MS, 44
- Retinal analogs
Photochromic behavior of retinal analogs, 262
- Retinoids
Photochromic behavior of retinal analogs, 262
- Reversacol Berry Red
Photochromic behaviour of Berry Red studied in solution and polymer films, 190
- Reverse micelles
Studies on absorption spectra of uniform gold nanoparticles prepared in Triton X-100 reverse micelles, 174
- Rhenium oxide
Solid-state photochemistry of dirhenium carboxylates and the deposition of rhenium oxide thin films, 1
- Rhenium(III) carboxylates
Solid-state photochemistry of dirhenium carboxylates and the deposition of rhenium oxide thin films, 1
- Rigidity
Photonics and photochemical stability of aromatic molecules, family related in π -structure but different in planarity, rigidity and molecule symmetry, 219
- Salicylaldehyde 2-Phenylquinoline-4-carboylhydrazone
Synthesis, characterization, and DNA-binding properties of the cobalt(II) and nickel(II) complexes with salicylaldehyde 2-phenylquinoline-4-carboylhydrazone, 77
- Silver-doped TiO₂
Tailoring the activity of Ti-based photocatalysts by playing with surface morphology and silver doping, 165
- Simple molecules
Photon-driven electron and atomic processes on solid-state surface in photoactivated spectroscopy and photocatalysis, 127
- Singlet oxygen
Luminescence and photochemical studies of singlet oxygen photonics, 210
- Solvatochromism
Environment sensitive phenothiazine dyes strongly fluorescence in protic solvents, 10

- Solvent sensitivity
 Environment sensitive phenothiazine dyes strongly fluorescence in protic solvents, 10
- Spectral sensitization
 Photon-driven electron and atomic processes on solid-state surface in photoactivated spectroscopy and photocatalysis, 127
- Spirocompounds
 Photonics of organic photochromic systems: Modern trends, 180
- Spores
 Photocatalytic inactivation of *Clostridium perfringens* spores on TiO₂ electrodes, 113
- Stabilization
 Studies on absorption spectra of uniform gold nanoparticles prepared in Triton X-100 reverse micelles, 174
- Stilbene
 Determination of products derived from *trans*-resveratrol UV photoisomerisation by means of HPLC–APCI-MS, 44
- Structure
 Synthesis of ZnO–carbon composites and imprinted carbon by the pyrolysis of ZnCl₂-catalyzed furfuryl alcohol polymers, 143
- 2-Styrylbenzothiazoles
 A photochemical electrocyclization of the benzothiazolyphenylethenes involving a CN bond formation, 239
- Sun protection factor
 Photoreactivity of the sunscreen butylmethoxydibenzoylmethane (DBM) under various experimental conditions, 106
- Sunscreen
 Photoreactivity of the sunscreen butylmethoxydibenzoylmethane (DBM) under various experimental conditions, 106
- Surface photochemistry
 Photon-driven electron and atomic processes on solid-state surface in photoactivated spectroscopy and photocatalysis, 127
- Surface reaction
 Investigation of factors that influence TiO₂ photoassisted degradations under simultaneous illumination by UV and microwave radiation fields, 159
- Synergistic effect
 The synergistic effect of ozonation and photocatalysis on color removal from reused water, 24
- Synthesis
 Synthesis and chlorine atom position effect on the properties of unsymmetrical photochromic diarylethenes, 84
- Thin films
 Solid-state photochemistry of dirhenium carboxylates and the deposition of rhenium oxide thin films, 1
 Tailoring the activity of Ti-based photocatalysts by playing with surface morphology and silver doping, 165
- Thio-1,3-distyrylbenzenes
 Excited state behaviour of some thio-analogues of 1,3-distyrylbenzene, 233
- Thiourea complex
 Synthesis and optical properties of zeolite–semiconductor composites—
 New photocatalysts, 154
- Thioxanthone
 Chemical incorporation of thioxanthone into β-cyclodextrin and its use in aqueous photopolymerization of methyl methacrylate, 33
- TiO₂ photocatalysis
 Investigation of factors that influence TiO₂ photoassisted degradations under simultaneous illumination by UV and microwave radiation fields, 159
- Titanium dioxide
 The synergistic effect of ozonation and photocatalysis on color removal from reused water, 24
 Photocatalytic inactivation of *Clostridium perfringens* spores on TiO₂ electrodes, 113
- 3,4,9,5-Trihydroxy-diphenylacetylene
 Determination of products derived from *trans*-resveratrol UV photoisomerisation by means of HPLC–APCI-MS, 44
- Triplet biradical
 An intermolecular hydrogen transfer process inducing triplet biradical photochromism of 1-methyl-2,4,4,6-tetraphenyl-1,4-dihydropyridine in the solid state, 59
- Triplet yield
 Characterizing the functional dynamics of zinc phthalocyanine from femtoseconds to nanoseconds, 99
- Triton X-100
 Studies on absorption spectra of uniform gold nanoparticles prepared in Triton X-100 reverse micelles, 174
- Two-photon excitation
 Photonics of organic photochromic systems: Modern trends, 180
- Ultrafast dynamics
 Femtosecond dynamics of CdTe quantum dots in water, 51
 Characterizing the functional dynamics of zinc phthalocyanine from femtoseconds to nanoseconds, 99
- Water reuse
 The synergistic effect of ozonation and photocatalysis on color removal from reused water, 24
- Wide-bandgap oxides
 Photon-driven electron and atomic processes on solid-state surface in photoactivated spectroscopy and photocatalysis, 127
- Zeolite
 Synthesis and optical properties of zeolite–semiconductor composites—
 New photocatalysts, 154
- Zinc phthalocyanine
 Characterizing the functional dynamics of zinc phthalocyanine from femtoseconds to nanoseconds, 99
- ZnO–carbon composites
 Synthesis of ZnO–carbon composites and imprinted carbon by the pyrolysis of ZnCl₂-catalyzed furfuryl alcohol polymers, 143