

Mixed carbon substrates
a necessary nuisance or a missed opportunity?

Linking volatile and non-volatile compounds to sensory profiles and consumer liking of wild edible Nordic mushrooms

Power production and microbial community composition in thermophilic acetate-fed up-flow and flow-through microbial fuel cells

Programmable responsive hydrogels inspired by classical conditioning algorithm

Anaerobic treatment of LCFA-containing synthetic dairy wastewater at 20°C
Process performance and microbial community dynamics

Lewis Base-Catalyzed Modification of Ortho-Substituted Phenols

Miniature CoCr laser welds under cyclic shear
Fatigue evolution and crack growth

Effects of elevated pressures on the activity of acidophilic bioleaching microorganisms

Utilizing mixed-mineralogy ferroan magnesite tailings as the source of magnesium oxide in magnesium potassium phosphate cement

Controlled Orientations of Neighboring Tetracene Units by Mixed Self-Assembled Monolayers on Gold Nanoclusters for High-Yield and Long-Lived Triplet Excited States through Singlet Fission

Effects of anode materials on electricity production from xylose and treatability of TMP wastewater in an up-flow microbial fuel cell

Effects of nanofibrillated cellulose hydrogels on adipose tissue extract and hepatocellular carcinoma cell spheroids in freeze-drying

Antibacterial polymer fibres by rosin compounding and melt-spinning

Critical Sensitizer Quality Attributes for Efficient Triplet-Triplet Annihilation Upconversion with Low Power Density Thresholds

Nano-structured TiO₂ grown by low-temperature reactive sputtering for planar perovskite solar cells

Chlorine induced high-temperature corrosion mechanisms in HVOF and HVOF sprayed Cr₃C₂-based hardmetal coatings

Alkane and wax ester production from lignin-related aromatic compounds

Photochemistry of dithiophosphate Ni(S₂P(i-Bu)₂)₂ complex in CCl₄. Transient species and TD-DFT calculations

Pyrolytic behavior of lignocellulosic-based polysaccharides

Photocontrol of Supramolecular Azo-Containing Block Copolymer Thin Films during Dip-Coating
Toward Nanoscale Patterned Coatings

Photoreversible Soft Azo Dye Materials: Toward Optical Control of Bio-Interfaces

Lasing in Ni Nanodisk Arrays

Photoinduced Charge Transfer Processes at Organic-Semiconductor Interfaces

Bioinspired Light Robots from Liquid Crystal Networks

Dopant-free hole-transporting materials via thionation approach towards stable and efficient perovskite solar cells

Long-term performance evaluation of an anoxic sulfur oxidizing moving bed biofilm reactor under nitrate limited conditions

Halide Perovskite Nanocrystals for Next-Generation Optoelectronics

H₂S removal and microbial community composition in an anoxic biotrickling filter under autotrophic and mixotrophic conditions

GIS-data related route optimization, hierarchical clustering, location optimization, and kernel density methods are useful for promoting distributed bioenergy plant planning in rural areas

Impacts of short-term temperature fluctuations on biohydrogen production and resilience of thermophilic microbial communities

Thiocyanate precursor impact on the formation of cobalt complexes: Synthesis and characterization

Synthetic metabolic pathway for the production of 1-alkenes from lignin-derived molecules

Vertical stratification of bacteria and archaea in sediments of a small boreal humic lake

Quantitative Sequential Photoenergy Conversion Process from Singlet Fission to Intermolecular Two-Electron Transfers Utilizing Tetracene Dimer

The economics of renewable CaC₂ and C₂H₂ production from biomass and CaO

An Artificial Nocturnal Flower via Humidity-Gated Photoactuation in Liquid Crystal Networks

A Pentacene-based Nanotube Displaying Enriched Electrochemical and Photochemical Activities

Charge carrier dynamics in tantalum oxide overlayered and tantalum doped hematite photoanodes

Acetotrophic Activity Facilitates Methanogenesis from LCFA at Low Temperatures
Screening from Mesophilic Inocula

Bio-hydrogen Production from Sewage Sludge
Screening for Pretreatments and Semi-continuous Reactor Operation

Charge transfer dynamics in CsPbBr₃ perovskite quantum dots-anthraquinone/fullerene (C₆₀) hybrids

Effect of macro- and micro-nutrients addition during anaerobic mono-digestion of grass silage in leach-bed reactors

Exclusive occurrence of photoinduced energy transfer and switching of its direction by rectangular π -extension of nanographenes

Influence of titanium dioxide surface activation on the performance of mesoscopic perovskite solar cells

Low-dimensional formamidinium lead perovskite architectures via controllable solvent intercalation

Metabolic profiling of water-soluble compounds from the extracts of dark septate endophytic fungi (DSE) isolated from scots pine (*Pinus sylvestris* L.) seedlings using UPLC–orbitrap–MS

Multiphoton Excitation of CsPbBr₃ Perovskite Quantum Dots (PQDs)
How Many Electrons Can One PQD Donate to Multiple Molecular Acceptors?

O₂-requiring molecular reporters of gene expression for anaerobic microorganisms

Photoreactions of macrocyclic dyes on (1010) wurtzite surface – Interplay between conformation and electronic effects

Storing of exoelectrogenic anolyte for efficient microbial fuel cell recovery

Structure and Dynamics of Thermosensitive pDNA Polyplexes Studied by Time-Resolved Fluorescence Spectroscopy

Sustainability of bioenergy in finland and globally – fact check

Synthesis of 6,12-disubstituted methanodibenzo[b,f][1,5]dioxocins
Pyrrolidine catalyzed self-condensation of 2'-Hydroxyacetophenones

Volatile fatty acid adsorption on anion exchange resins
kinetics and selective recovery of acetic acid

Zinc phthalocyanine activated by conventional indoor light makes a highly efficient antimicrobial material from regular cellulose

Reversible photodoping of TiO₂ nanoparticles

Bioengineering optimization and microbial characterization of elemental sulfur-fueled denitrifying biofilms

Experimental and Modeling Assessment of the Main Bio-physical-chemical mechanisms and Kinetics in High-solids Anaerobic Digestion of Organic Waste

Optimization of fermentative biohydrogen production by *Thermotoga neapolitana*

Highly Efficient Energy Transfer Cassettes by Assembly of Boronic Acid Derived Salicylidenehydrazone Complexes

Aminobenzylated 4-Nitrophenols as Antibacterial Agents Obtained from 5-Nitrosalicylaldehyde through a Pétasis Borono-Mannich Reaction

Liquid Crystal Polymer Networks and Elastomers for Light-Fueled Robotics

High-Yield Generation of Triplet Excited States by an Efficient Sequential Photoinduced Process from Energy Transfer to Singlet Fission in Pentacene-Modified CdSe/ZnS Quantum Dots

Understanding Dissolution and Crystallization with Imaging
A Surface Point of View

Production and Synthetic Modifications of Shikimic Acid

Decane-1,2-diol derivatives as potential antitumor agents for the treatment of glioblastoma

Reconfigurable photoactuator through synergistic use of photochemical and photothermal effects

Quantification of bio-anode capacitance in bioelectrochemical systems using Electrochemical Impedance Spectroscopy

Removal and recovery of uranium(VI) by waste digested activated sludge in fed-batch stirred tank reactor

Electro-concentration for chemical-free nitrogen capture as solid ammonium bicarbonate

Entangled and colloidally stable microcrystalline cellulose matrices in controlled drug release

Post operation inactivation of acidophilic bioleaching microorganisms using natural chloride-rich mine water

Recent progress in biohydrometallurgy and microbial characterisation

Photoinduced Energy Transfer in ZnCdSeS Quantum Dot-Phthalocyanines Hybrids

FLIM reveals alternative EV-mediated cellular up-take pathways of paclitaxel

Optimization of Fin Arrays Cooled by Forced or Natural Convection

Methods to design optimum heat sink geometries

A new method to optimize natural convection heat sinks

Selenate removal in biofilm systems
Effect of nitrate and sulfate on selenium removal efficiency, biofilm structure and microbial community

Design aspects of all atomic layer deposited TiO₂-Fe₂O₃ scaffold-absorber photoanodes for water splitting

Comparison of electron injection and recombination on TiO₂ nanoparticles and ZnO nanorods photosensitized by phthalocyanine

Halogen-bond driven self-assembly of triangular macrocycles

Metabolic pairing of aerobic and anaerobic production in a one-pot batch cultivation

Pectin and Mucin Enhance the Bioadhesion of Drug Loaded Nanofibrillated Cellulose Films

Multiexciton Dynamics Depending on Intramolecular Orientations in Pentacene Dimers
Recombination and Dissociation of Correlated Triplet Pairs

Light-Activated Antimicrobial Materials Based on Perylene Imides and Phthalocyanines

Effects of wastewater constituents and operational conditions on the composition and dynamics of anodic microbial communities in bioelectrochemical systems

Lewis Base Catalyzed Intramolecular Reduction of Salicylaldehydes by Pinacol-Derived Chlorohydrosilane

Photo-antimicrobial efficacy of zinc complexes of porphyrin and phthalocyanine activated by inexpensive consumer LED lamp

Effect of Co-Adsorbate and Hole Transporting Layer on the Photoinduced Charge Separation at the TiO₂-Phthalocyanine Interface

Mesophilic and thermophilic biohydrogen and bioelectricity production from real and synthetic wastewaters

Inoculum pretreatment differentially affects the active microbial community performing mesophilic and thermophilic dark fermentation of xylose

Crystallization Kinetics of an Amorphous Pharmaceutical Compound Using Fluorescence-Lifetime-Imaging Microscopy

Investigating the kinetics and biofuel properties of *Alstonia congensis* and *Ceiba pentandra* via torrefaction

Free amino acids and 5'-nucleotides in Finnish forest mushrooms

Anaerobic digestion of 30–100-year-old boreal lake sedimented fibre from the pulp industry
Extrapolating methane production potential to a practical scale

Nutrient management via struvite precipitation and recovery from various agroindustrial wastewaters
Process feasibility and struvite quality

Composite Hydrogels Using Bioinspired Approach with in Situ Fast Gelation and Self-Healing Ability as Future Injectable Biomaterial

Process Integration Approaches to Improve the Techno-Economic Feasibility of Torrefaction Process

Metabolic Engineering of *Acinetobacter baylyi* ADP1 for Improved Growth and Wax Ester Production Using Components of Lignocellulosic Hydrolysates as Carbon Sources

Thermal Isomerization of Hydroxyazobenzenes as a Platform for Vapor Sensing

Modeling of Charge Transfer at Dye-Semiconductor Interfaces in p-Type Solar Cells

Techno-economic analysis of a power to biogas system operated based on fluctuating electricity price

Critical role and modification of surface states in hematite films for enhancing oxygen evolution activity

UV-Blocking Synthetic Biopolymer from Biomass-Based Bifuran Diester and Ethylene Glycol

Pot-economy autooxidative condensation of 2-Aryl-2-lithio-1,3-dithianes

Quantitative Real-time PCR Monitoring Dynamics Of *Thermotoga Neapolitana* In Synthetic Co-Culture For Biohydrogen Production

Controlled Growth of Supported ZnO Inverted Nanopyramids with Downward Pointing Tips

Ultralong 20 Milliseconds Charge Separation Lifetime for Photoilluminated Oligophenylenevinylene–Azafullerene Systems

Concentration-dependent photophysical switching in mixed self-assembled monolayers of pentacene and perylenediimide on gold nanoclusters

Ortho-Fluorination of azophenols increases the mesophase stability of photoresponsive hydrogen-bonded liquid crystals

A Bioscreening Technique for Ultraviolet Irradiation Protective Natural Substances

Adsorption of furfural from torrefaction condensate using torrefied biomass

Archaea are prominent members of the prokaryotic communities colonizing common forest mushrooms

Bio-electrochemical conversion of industrial wastewater-COD combined with downstream methanol synthesis-an economic and life cycle assessment

Composition and role of the attached and planktonic microbial communities in mesophilic and thermophilic xylose-fed microbial fuel cells

Conjugated Heat Transfer Simulation of a Fin-and-Tube Heat Exchanger

Effect of elevated nitrate and sulfate concentrations on selenate removal by mesophilic anaerobic granular sludge bed reactors

Effect of N/S ratio on anoxic thiosulfate oxidation in a fluidized bed reactor
Experimental and artificial neural network model analysis

Effects of Biomass Type, Carbonization Process, and Activation Method on the Properties of Bio-Based Activated Carbons

Efficient photon upconversion at remarkably low annihilator concentrations in a liquid polymer matrix: when less is more

Electronic waste as a secondary source of critical metals
Management and recovery technologies

Fin-and-tube heat exchanger enhancement with a combined herringbone and vortex generator design

Gamma-proteobacterial methanotrophs dominate methanotrophy in aerobic and anaerobic layers of boreal lake waters

High resolution E-jet printed temperature sensor on artificial skin

Identification of feasible pathway information for c-di-GMP binding proteins in cellulose production

Light Robots: Bridging the Gap between Microrobotics and Photomechanics in Soft Materials

On the molecular optical nonlinearity of halogen-bond-forming azobenzenes

Pathvalue
Pathways with value

Photoinduced Charge Separation in Semiconductor-Quantum-Dot/Organic-Molecule Hybrids

Programming Photoresponse in Liquid Crystal Polymer Actuators with Laser Projector

Sediment diffusion method improves wastewater nitrogen removal in the receiving lake sediments

Simultaneous removal of tetrathionate and copper from simulated acidic mining water in bioelectrochemical and electrochemical systems

Stable blue phase polymeric Langmuir-Schaefer films based on unsymmetrical hydroxyalkadiynyl N-arylcarbamate derivatives

Supramolecular design principles for efficient photoresponsive polymer-azobenzene complexes

Techno-economic evaluation of integrating torrefaction with anaerobic digestion

Thermophilic versus mesophilic dark fermentation in xylose-fed fluidised bed reactors
Biohydrogen production and active microbial community

Cellulose Nanofiber Alignment Using Evaporation-Induced Droplet-Casting, and Cell Alignment on Aligned Nanocellulose Surfaces

Technology Development and Techno-Economic Analysis of Hydrogen Production by Thermal Decomposition of Methane

Time-Resolved Fluorescence Spectroscopy Reveals Fine Structure and Dynamics of Poly(L-lysine) and Polyethylenimine Based DNA Polyplexes

Photodynamic self-disinfecting surface using pyridinium phthalocyanine

Comparison of *Scenedesmus acuminatus* and *Chlorella vulgaris* cultivation in liquid digestates from anaerobic digestion of pulp and paper industry and municipal wastewater treatment sludge

Carbazole-based small molecule electron donors
Syntheses, characterization, and material properties

Multimodal Nonlinear Optical Imaging for Sensitive Detection of Multiple Pharmaceutical Solid-State Forms and Surface Transformations

Azopolymer photopatterning for directional control of angiogenesis

Effect of hydraulic retention time on continuous electricity production from xylose in up-flow microbial fuel cell

Modelling recovery of ammonium from urine by electro-concentration in a 3-chamber cell

Nanofibrillar cellulose hydrogels and reconstructed hydrogels as matrices for controlled drug release

A demand-based nutrient utilization approach to urban biogas plant investment based on regional crop fertilization

Effect of natural convection and radiation inside of a hollow beam in a standard fire

New Evidence for the Mechanism of Action of a Type-2 Diabetes Drug Using a Magnetic Bead-Based Automated Biosensing Platform

Bioelectrochemical Recovery of Energy and Metals from Simulated Mining Waters

Hole-Transporting Materials for Printable Perovskite Solar Cells

Understanding selenium biogeochemistry in engineered ecosystems
Transformation and analytical methods

Comparison of liposomal drug formulations for transdermal iontophoretic drug delivery

Locomotion of light-driven soft microrobots through a hydrogel via local melting

Effects of different nickel species on autotrophic denitrification driven by thiosulfate in batch tests and a fluidized-bed reactor

Nanofibrillar cellulose-alginate hydrogel coated surgical sutures as cell-carrier systems

Photoresponsive Polymer Hydrogel Coatings that Change Topography

Effect of alkylaminophenols on growth inhibition and apoptosis of bone cancer cells

Long-Range Observation of Exciplex Formation and Decay Mediated by One-Dimensional Bridges

Effects of alternative electron acceptors on the activity and community structure of methane-producing and consuming microbes in the sediments of two shallow boreal lakes

The role of inorganics in modelling of biomass gasification

Self-Regulating Iris Based on Light-Actuated Liquid Crystal Elastomer

CFD based reactivity parameter determination for biomass particles of multiple size ranges in high heating rate devolatilization

Impact of film thickness of ultra-thin dip-coated compact TiO₂ layers on the performance of mesoscopic perovskite solar cells

Charge Carrier Dynamics in Solar Water Oxidation

Biohydrogen production from xylose by fresh and digested activated sludge at 37, 55 and 70 °C

The effects of calcium and potassium on CO₂ gasification of birch wood in a fluidized bed

Photoinduced Electron Injection from Zinc Phthalocyanines into Zinc Oxide Nanorods
Aggregation Effects

Alkyl thiophene vinylene electropolymerization in C8mimPF₆, potential use in solar cells

Elucidation of Compression-Induced Surface Crystallization in Amorphous Tablets Using Sum Frequency Generation (SFG) Microscopy

Crystallisation-enhanced bulk hole mobility in phenothiazine-based organic semiconductors

Building up colors
multilayered arrays of peryleneimides on flat surfaces and on mesoporous layers

Halogen bonding stabilizes a cis-azobenzene derivative in the solid state
A crystallographic study

High-rate autotrophic denitrification in a fluidized-bed reactor at psychrophilic temperatures

Hydrophobin-nanofibrillated cellulose stabilized emulsions for encapsulation and release of BCS class II drugs

Hexaphyrin as a Potential Theranostic Dye for Photothermal Therapy and ¹⁹F Magnetic Resonance Imaging

Hierarchical Self-Assembly of Halogen-Bonded Block Copolymer Complexes into Upright Cylindrical Domains

Twin-layer biosensor for real-time monitoring of alkane metabolism

UV exposure in artificial and natural weathering
A comparative study

Periodic Surface Structures Induced by a Single Laser Beam Irradiation

Benchmarking DFT methods with small basis sets for the calculation of halogen-bond strengths

Anaerobic batch conversion of pine wood torrefaction condensate

High-rate thiosulfate-driven denitrification at pH lower than 5 in fluidized-bed reactor

The Role of Inorganics in Biomass Gasification
Catalytic Effects on Char Reactions and Toxic Emissions

Enhancing the activity of iron-oxidising bacteria: A case study with process liquors from heap bioleaching of a complex sulphide ore

The Orange Side of Disperse Red 1
Humidity-Driven Color Switching in Supramolecular Azo-Polymer Materials Based on Reversible Dye Aggregation

A comparison of fate and toxicity of selenite, biogenically and chemically synthesized selenium nanoparticles to zebrafish (*Danio rerio*) embryogenesis

A light-driven artificial flytrap

Base catalysed N-functionalisation of boroxazolidones

Bioelectrochemical Systems for Heavy Metal Removal and Recovery

Biological removal of selenate and ammonium by activated sludge in a sequencing batch reactor

Biological Sulphate Reduction

Biorecovery of Metals from Electronic Waste

Biosynthesis of CdSe nanoparticles by anaerobic granular sludge

Controlling azobenzene photoswitching through combined ortho-fluorination and -amination

Cultivation of *Scenedesmus acuminatus* in different liquid digestates from anaerobic digestion of pulp and paper industry biosludge

Difference in the core-shell dynamics of polyethyleneimine and poly(l-lysine) DNA polyplexes

Effects of orientation at the phthalocyanine-CdSe interface on the electron transfer characteristics

Evaluation of long-term post process inactivation of bioleaching microorganisms

Fate of metallic engineered nanomaterials in constructed wetlands
prospection and future research perspectives

Fluorescence spectroscopy "knife" for polyplex "cakes": taste the filling

Influence of TiO₂ compact layer precursor on the performance of perovskite solar cells

Leaching and Recovery of Metals

Leaching and Recovery of Molybdenum from Spent Catalysts

Light-Driven, Caterpillar-Inspired Miniature Inching Robot

Metal Recovery from Industrial and Mining Wastewaters

Microbial community response on wastewater discharge in boreal lake sediments

Molding Optical Waveguides with Nematicons

Occurrence of photoinduced charge separation by the modulation of the electronic coupling between pyrene dimers and chemically converted graphenes

Optimization of convectively cooled heat sinks

Optimizing ammonium adsorption on natural zeolite for wastewaters with high loads of ammonium and solids

Oriental optical nonlinearities in polymer-stabilized dye-doped liquid crystals

Origin and fate of methane in the Eastern Tropical North Pacific oxygen minimum zone

Photoinduced Electron Transfer in 9-Substituted 10-Methylacridinium Ions

Photophysical properties of porphyrin dimer-single-walled carbon nanotube linked systems

Photoresponsive ionic liquid crystals assembled
Via halogen bond: En route towards light-controllable ion transporters

Release of Potassium during Devolatilization of Spruce Bark

Shape change of biogenic elemental selenium nanomaterials from nanospheres to nanorods decreases their colloidal stability

Structural and Photophysical Properties of Pentacene Alkanethiolate Monolayer-Protected Gold Nanoclusters and Nanorods
Supramolecular Intercalation and Photoinduced Electron Transfer with C60

Structural characterization, spectroscopic, thermal, AC conductivity and dielectric properties and antimicrobial studies of (C₈H₁₂N)₂[SnCl₆]

Supramolecular control of liquid crystals by doping with halogen-bonding dyes

Surface-Relief Gratings in Halogen-Bonded Polymer–Azobenzene Complexes
A Concentration-Dependence Study

Sustainable Heavy Metal Remediation
Volume 2: Case studies

Synthesis of new acylsilanes

Synthesis of phenol-derivatives and biological screening for anticancer activity

Synthesis, Structural Characterization, Hirshfeld Surface and Antioxidant Activity Analysis of a Novel Organic Cation Antimonate Complex

The impact of long-term water level draw-down on microbial biomass
A comparative study from two peatland sites with different nutrient status

Vapor Phase Fabrication of Nanoheterostructures Based on ZnO for Photoelectrochemical Water Splitting

Controlling the shape of Janus nanostructures through supramolecular modification of ABC terpolymer bulk morphologies

Influence of torrefaction pretreatment on the pyrolysis of Eucalyptus clone
A study on kinetics, reaction mechanism and heat flow

Remarkable Dependence of Exciplex Decay Rate on Through-Space Separation Distance Between Porphyrin and Chemically Converted Graphene

The effect of low-temperature pretreatment on the solubilization and biomethane potential of microalgae biomass grown in synthetic and wastewater media

Anaerobic digestion of microalgae and pulp and paper biosludge

Efficient Light-Induced Phase Transitions in Halogen-Bonded Liquid Crystals

Magnesium aminoclay enhances lipid production of mixotrophic *Chlorella* sp. KR-1 while reducing bacterial populations

Mild pressure induces rapid accumulation of neutral lipid (triacylglycerol) in *Chlorella* spp.

Two-step bioleaching of copper and gold from discarded printed circuit boards (PCB)

Recombinant antibodies for specific detection of clostridial [Fe-Fe] hydrogenases

Elimination of arsenic-containing emissions from gasification of chromated copper arsenate wood

Impacts of sulfur source and temperature on sulfur-driven denitrification by pure and mixed cultures of *Thiobacillus*

Fossil Feedstock-free Preparation of Hydroquinone

Utilization of Food Waste via Anaerobic Digestion
From Feedstock to Biogas and Fertilizers

Photoinduced hole transfer in QD–phthalocyanine hybrids

Long-term stability of bioelectricity generation coupled with tetrathionate disproportionation

Selenium
environmental significance, pollution, and biological treatment technologies

Vesi-insinöörit arvojen välittäjinä
Infrastruktuurien hallinta muodostaa kivijalan kestäväälle tulevaisuudelle

Higher Cd adsorption on biogenic elemental selenium nanoparticles

Multicomponent Petasis-borono Mannich Preparation of Alkylaminophenols and Antimicrobial Activity Studies

Methodological approaches for fractionation and speciation to estimate trace element bioavailability in engineered anaerobic digestion ecosystems
An overview

Structural photoactivation of a full-length bacterial phytochrome

The red, purple and blue modifications of polymeric unsymmetrical hydroxyalkadiynyl-N-arylcarbamate derivatives in Langmuir-Schaefer films

Characterization and Potential Use of Source-Separated Urine

Liquid fertilizer products from anaerobic digestion of food waste
Mass, nutrient and energy balance of four digestate liquid treatment systems

Structurally Controlled Dynamics in Azobenzene-Based Supramolecular Self-Assemblies in Solid State

Indocyanine Green-Loaded Liposomes for Light-Triggered Drug Release

Photoactive ZnO–Organic Nanostructures
Development and Characterization

Electronic structure of p-type perylene monoimide-based donor–acceptor dyes on the nickel oxide (100) surface: a DFT approach

Photoexcitation and electron transfer at inorganic–organic interface — a DFT approach

Synthesis and biological screening for cytotoxic activity of N-substituted indolines and morpholines

Effect of Hole Transporting Material on Charge Transfer Processes in Zinc Phthalocyanine Sensitized ZnO Nanorods

Syntheses, Charge Separation, and Inverted Bulk Heterojunction Solar Cell Application of Phenothiazine-Fullerene Dyads

Effect of temperature and concentration of precursors on morphology and photocatalytic activity of zinc oxide thin films prepared by hydrothermal route

Coordination networks incorporating halogen-bond donor sites and azobenzene groups

Arsenic removal from acidic solutions with biogenic ferric precipitates

Long-Lived Triplet Excited States of Bent-Shaped Pentacene Dimers by Intramolecular Singlet Fission

Quenching nematicon fluctuations via photo-stabilization

Agronomic characteristics of five different urban waste digestates

Phenothiazine and carbazole substituted pyrene based electroluminescent organic semiconductors for OLED devices

Intrinsic Properties of Two Benzodithiophene-Based Donor–Acceptor Copolymers Used in Organic Solar Cells: A Quantum-Chemical Approach

Cell-based bioreporter assay coupled to HPLC micro-fractionation in the evaluation of antimicrobial properties of the basidiomycete fungus *Pycnoporus cinnabarinus*

Advanced Solid Fuel Characterization for Reactivity and Physical Property Comparison

Synthesis of Benzothiadiazole Derivatives by Applying C–C Cross-Couplings

Plasma-Assisted Fabrication of Fe₂O₃ - Co₃O₄ Nanomaterials as Anodes for Photoelectrochemical Water Splitting

Charge separation and charge recombination photophysical studies in a series of perylene–C₆₀ linear and cyclic dyads

Color Bricks
Building Highly Organized and Strongly Absorbing Multicomponent Arrays of Terpyridyl Perylenes on Metal Oxide Surfaces

Toward the prediction of porous membrane permeability from morphological data

Alginate microgels created by selective coalescence between core drops paired with an ultrathin shell

Anaerobes in bioelectrochemical systems

Are Sphagnum-species potential antagonists for pathogens?

A study on raw, torrefied, and steam-exploded wood: Fine grinding, drop-tube reactor combustion tests in N₂/O₂ and CO₂/O₂ atmospheres, particle geometry analysis, and numerical kinetics modeling

A Three-Component Assembly Promoted by Boronic Acids Delivers a Modular Fluorophore Platform (BASHY Dyes)

Biological and Bioelectrochemical Recovery of Critical and Scarce Metals

Biomass-Based and Oxidant-Free Preparation of Hydroquinone from Quinic Acid

Chemical and bacterial leaching of metals from a smelter slag in acid solutions

Compact hematite buffer layer as a promoter of nanorod photoanode performances

Controllable Electronic Structures and Photoinduced Processes of Bay-Linked Perylenediimide Dimers and a Ferrocene-Linked Triad

Downstream integration of microalgae harvesting and cell disruption by means of cationic surfactant-decorated Fe_3O_4 nanoparticles

Effect of source-separated urine storage on estrogenic activity detected using bioluminescent yeast *Saccharomyces cerevisiae*

Enhanced adsorption of orthophosphate and copper onto hydrochar derived from sewage sludge by KOH activation

Formation and stability of porphyrin and phthalocyanine self-assembled monolayers on ZnO surfaces

High Water-Splitting Efficiency through Intentional In and Sn Codoping in Hematite Photoanodes

High-Yield Excited Triplet States in Pentacene Self-Assembled Monolayers on Gold Nanoparticles through Singlet Exciton Fission

Homologation Reaction of Ketones with Diazo Compounds

Metathesis Reactions on Solid-Phase
Towards New Synthesis Challenges

On describing the optoelectronic characteristics of poly(benzodithiophene-Co -quinoxaline)-fullerene complexes: The influence of optimally tuned density functionals

Photoinduced nonlinear optical response in azobenzene-functionalized molecular glass

Photoresponsive liquid-crystalline polymer films bilayered with an inverse opal structure

Porphyrin-Based Donor-Acceptor Dyads
Engineering the Linker and Tuning the Photoinduced Electron Transfer

Sorption of zinc onto elemental selenium nanoparticles immobilized in *Phanerochaete chrysosporium* pellets

Superfluorinated Ionic Liquid Crystals Based on Supramolecular, Halogen-Bonded Anions

The effect of urine storage on antiviral and antibiotic compounds in the liquid phase of source-separated urine

The Halogen Bond

Use of laboratory anaerobic digesters to simulate the increase of treatment rate in full-scale high nitrogen content sewage sludge and co-digestion biogas plants

Preparation and antimicrobial characterization of silver-containing packaging materials for meat

Graphene-intercalated $\text{Fe}_2\text{O}_3/\text{TiO}_2$ heterojunctions for efficient photoelectrolysis of water

Organic Molecular Films as Light-Emitting and Light-Confining Material in Rolled-Up AlInP Semiconductor Microtube Resonators

Photomechanical Energy Transfer to Photopassive Polymers through Hydrogen and Halogen Bonds

Changes in global gene expression of *Vibrio parahaemolyticus* induced by cold- and heat-stress

Regenerative Astaxanthin Extraction from a Single Microalgal (*Haematococcus pluvialis*) Cell Using a Gold Nano-Scalpel

Characterization of thermally aged polyetheretherketone fibres
Mechanical, thermal, rheological and chemical property changes

Cultivation of *Nannochloropsis* for eicosapentaenoic acid production in wastewaters of pulp and paper industry

Measuring the green color of vegetables from digital images using image analysis

Effects of anode potentials on bioelectrogenic conversion of xylose and microbial community compositions

Measuring synthesis yield in graphene oxide synthesis by modified hummers method

Gene expression profiles of *Vibrio parahaemolyticus* in the early stationary phase

Searching for a robust strategy for minimizing alkali chlorides in fluidized bed boilers during burning of high SRF-energy-share fuel

$\text{Fe}_2\text{O}_3\text{-TiO}_2$ nanosystems by a hybrid PE-CVD/ALD approach
controllable synthesis, growth mechanism, and photocatalytic properties

Fluorescent Protein Based FRET Pairs with Improved Dynamic Range for Fluorescence Lifetime Measurements

Photoinduced Electron Transfer in CdSe/ZnS Quantum Dot-Fullerene Hybrids

Subpicosecond to Second Time-Scale Charge Carrier Kinetics in Hematite-Titania Nanocomposite Photoanodes

Synthesis and study of electrochemical and optical properties of substituted perylenemonoimides in solutions and on solid surfaces

A comparison of rheology and FTIR in the study of polypropylene and polystyrene photodegradation

Molecular interactions on single-walled carbon nanotubes revealed by high-resolution transmission microscopy

Synthesis and Photophysical Properties of Two Diazaporphyrin-Porphyrin Hetero Dimers in Polar and Nonpolar Solutions

Catalytic effect of Ca and K on CO₂ gasification of spruce wood char

Polymorph crystal packing effects on charge transfer emission in the solid state

Laser-pointer-induced self-focusing effect in hybrid-aligned dye-doped liquid crystals

Biomimetic collagen I and IV double layer Langmuir-Schaefer films as microenvironment for human pluripotent stem cell derived retinal pigment epithelial cells

Gene expression profiles of *Vibrio parahaemolyticus* in viable but non-culturable state

Light induced cytosolic drug delivery from liposomes with gold nanoparticles

Crystal structure of 2-methylpiperazine-1,4-dium bis(hydrogen maleate)

Photocurrent Generation and Charge Recombination in Multilayer Stacks of Hole Transporting Layer, Electron Donor-Acceptor Dyad and Electron Transporting Layer

Encapsulation of secondary and tertiary ammonium salts by resorcinarenes and pyrogallarenes
The effect of size and charge concentration

Integrated in vitro-in silico screening strategy for the discovery of antibacterial compounds

Glycerol as an Efficient Medium for the Petasis Borono-Mannich Reaction

Supramolecular hierarchy among halogen and hydrogen bond donors in light-induced surface patterning

Photophysical Study of a Self-Assembled Donor-Acceptor Two-Layer Film on TiO₂

Controlled Regioselective Amination of Peryleneimides

Aryl end-capped quaterthiophenes applied as anode interfacial layers in inverted organic solar cells

Photophysical properties of Sn(IV)tetraphenylporphyrin-pyrene dyad with a β -vinyl linker

Branched thiophene oligomer/polymer bulk heterojunction organic solar cell

Combination of a novel electrode material and artificial mediators to enhance power generation in an MFC

Fe₂O₃-TiO₂ Nano-heterostructure Photoanodes for Highly Efficient Solar Water Oxidation

Halogen-bonded photoresponsive materials

Halogen bonding enhances nonlinear optical response in poled supramolecular polymers

Microvesicle- and exosome-mediated drug delivery enhances the cytotoxicity of Paclitaxel in autologous prostate cancer cells

Nano-graphite cold cathodes for electric solar wind sail

Role of the bridge in photoinduced electron transfer in porphyrin-fullerene dyads

Synthesis of fluorescent naphthoquinolizines via intramolecular houben-hoesch reaction

Van der Waals interactions are critical in Car-Parrinello molecular dynamics simulations of porphyrin-fullerene dyads

π -Expanded α,β -unsaturated ketones
Synthesis, optical properties, and two-photon-induced polymerization

Monoisomeric phthalocyanine-fullerene dyads with e- and cis-3 addition pattern; synthesis, modeling, photovoltage and solar cell experiments

Photochemistry of self-assembled donor-acceptor architectures for photoactive supramolecular devices

Molecular modifications of active and anode buffer layers of bulk heterojunction solar cell

Binding Affinity and Mechanism of Polymer-DNA Polyplexes for Gene Delivery

Are two azo groups better than one? Investigating the photoresponse of polymer-bisazobenzene complexes

Charge-Transfer Dynamics in Poly(3-hexylthiophene):Perylenediimide-C-60 Blend Films Studied by Ultrafast Transient Absorption

Deprotonation of resorcinarenes by mono- and diamine bases: complexation and intermolecular interactions in the solid state

Dynamics of time-resolved photoluminescence in GaInNAs and GaNAsSb solar cells

Effect of mutual position of electron donor and acceptor on photoinduced electron transfer in supramolecular chlorophyll-fullerene dyads

Electricity generating capacity and performance deterioration of a microbial fuel cell fed with beer brewery wastewater

Excited State Intramolecular Proton Transfer in π -Expanded Phenazine-Derived Phenols

Femtosecond spectroscopy of the dithiolate Cu(II) and Ni(II) complexes

Formation of a stable polymer blue phase under UV irradiation of Langmuir-Schaefer films of diin N-arylcarbamate derivative

High-modulation-depth surface relief gratings using s-s polarization configuration in supramolecular polymer-azobenzene complexes

Light-driven surface patterning of supramolecular polymers with extremely low concentration of photoactive molecules

Modeling of photoactive conjugated donor-acceptor copolymers: the effect of the exact HF exchange in DFT functionals on geometries and gap energies of oligomer and periodic models

Monoisomeric phthalocyanines and phthalocyanine-fullerene dyads with polar side chains: synthesis, modeling, and photovoltage

Organic-inorganic azafullerene-gold C₅₉N-Au nanohybrid: Synthesis, characterization, and properties

Photo-induced electron transfer at nanostructured semiconductor-zinc porphyrin interface

Recognition of N-Alkyl and N-Aryl acetamides by N-Alkyl ammonium resorcinarene chlorides

ROFRET: A Molecular-Scale Fluorescent Probe Displaying Viscosity-Enhanced Intramolecular Förster Energy Transfer

Slow charge recombination and enhanced photoelectrochemical properties of Diazaporphyrin-Fullerene linked dyad

Solid state anion- π interactions involving polyhalides

Spectroscopic study of a synthesized Alq₃ end-capped oligothiophene applied in organic solar cells

Subcellular localization of bacteriophage PRD1 proteins in Escherichia coli

Synthesis and characterization of monoisomeric phthalocyanines, phthalocyanine-fullerene dyads, and phthalocyanine-silicon complexes

Synthesis and properties of a meso- tris-ferrocene appended zinc(II) porphyrin and a critical evaluation of its dye sensitised solar cell (DSSC) performance

Tetraiodoethyl resorcinarene cavitands as multivalent halogen bond donors

The effect of diketopyrrolopyrrole (DPP) group inclusion in p-cyanophenyl end-capped oligothiophene used as a dopant in P3HT:PCBM BHJ solar cells

The effect of thiophene substituents of fulleropyrrolidine acceptors on the performance of inverted organic solar cells

The effects of UV irradiation to polyetheretherketone fibres
Characterization by different techniques

The Wolff Rearrangement

Ultrafast photophysical processes for Fe(III)-carboxylates

Porphyrin adsorbed on the (1010) surface of the wurtzite structure of ZnO-conformation induced effects on the electron transfer characteristics

Bis(aryl)acenaphthenequinonediimine substituent effect on the properties and coordination environment of ligands and their bis-chelate AgI complexes

Chain processes in the photochemistry of Pt(IV) halide complexes in aqueous solutions

Charge transfer properties of a donor-acceptor dyad based on an expanded acridinium cation

Chlorophyll tailored 20-trifluoroacetamide and its azacrown derivative as pH sensitive colorimetric sensor probe with response to AcO⁻, F⁻ and CN⁻ ions

Complexation enhanced excited-state deactivation by lithium ion coordination to a borondipyrromethene (Bodipy) donor-bridge-acceptor dyad

Conjugated donor-acceptor (D-A) copolymers in inverted organic solar cells - a combined experimental and modelling study

Demonstrating the mechanism and efficacy of water-induced shape memory and the influence of water on the thermal properties of oriented poly(d,l-lactide)

Determination of preferential molecular orientation in porphyrin-fullerene dyad ZnDHD6ee monolayers by the X-ray standing-wave method and X-ray reflectometry

Dipyrroliidiny-substituted perylene diimide as additive for poly(3-hexylthiophene): [6,6]-Phenyl C61 butyric acid methylester bulk-heterojunction blends

Direct evidence of significantly different chemical behavior and excited-state dynamics of 1,7- and 1,6-regioisomers of pyrroliidiny-substituted perylene diimide

Effect of anion coordination on electron transfer in double-linked zinc phthalocyanine-fullerene dyad

Excited-state interaction of red and green perylene diimides with luminescent Ru(II) polypyridine complex

Fluorescence properties of the chromophore-binding domain of bacteriophytochrome from *Deinococcus radiodurans*

Homoleptic Bis(aryl)acenaphthenequinonediimine-CuI complexes - synthesis and characterization of a family of compounds with improved light-gathering characteristics

Hydrolytic degradation of composites of poly(L-lactide-co-epsilon-caprolactone) 70/30 and beta-tricalcium phosphate

Independent versus cooperative binding in polyethylenimine-DNA and poly(L-lysine)-DNA polyplexes

Influence of plasma chemistry on impurity incorporation in AlN prepared by plasma enhanced atomic layer deposition

Molecular dipole effects on tuning electron transfer in a porphine-quinone complex: A DFT and TDDFT study

Molecular weight distribution of a full-scale landfill leachate treatment by membrane bioreactor and nanofiltration membrane

Photophysics of bis(ethylxanthato)nickel(II) [Ni(EtOCS₂)₂] complex studied by femtosecond pump-probe spectroscopy

Plasma-assisted chemical vapor deposition of Fe:TiO₂ films for photoelectrochemical hydrogen production

Probing the excited state dynamics of a new family of Cu(I)-complexes with an enhanced light absorption capacity: excitation-wavelength dependent population of states through branching

Ring-expansion reaction of isatins with ethyl diazoacetate catalyzed by dirhodium(II)/DBU metal-organic system: En route to viridicatin alkaloids

Sequential photoinduced energy and electron transfer directed improved performance of the supramolecular solar cell of a zinc porphyrin - zinc phthalocyanine conjugate modified TiO₂ surface

Short synthesis of the natural product 3 β -hydroxy-labd-8(17)-en-15-oic acid via microbial transformation of labdanolic acid

Studies on the structure of coumarin-modified dextran nanoparticles by fluorescence spectroscopy

Study of structural order in porphyrin-fullerene dyad ZnDHD6ee monolayers by electron diffraction and atomic force microscopy

Supramolecular assemblies of bay-substituted perylene diimides in solution and on a solid substrate

The Effect and Role of Carbon Atoms in Poly(β -amino ester)s for DNA Binding and Gene Delivery

Triarylamine-substituted imidazole- and quinoxaline-fused push-pull porphyrins for dye-sensitized solar cells

Tuning the Förster overlap integral: energy transfer over 20 Ångstroms from a pyrene-based donor to borondipyrromethene (Bodipy)

Algorithm for In Silico Optimization of Production Strains

A Photoconductive, Thiophene-Fullerene Double-Cable Polymer, Nanorod Device

Asymmetric Intramolecular C-H Insertion of α -Diazoacetamides in Water by Dirhodium(II) Catalysts Derived from Natural Amino Acids

Azafullerene C₅₉N-Phthalocyanine Dyad: Synthesis, Characterisation and Photoinduced Electron Transfer

Car-parrinello molecular dynamics study of a porphyrin-fullerene electron donor-acceptor dyad

Translated title of the contribution: : Car-parrinello molecular dynamics study of a porphyrin-fullerene electron donor-acceptor dyad

Diaryl-Substituted Perylene Bis(imides): Synthesis, Separation, Characterization and Comparison of Electrochemical and Optical Properties of 1,7- and 1,6-Regioisomer

Directed electron transfer in Langmuir-Schäfer layers of porphyrin-fullerene and phthalocyanine-fullerene dyads in inverted organic solar cells

Donor-acceptor alternating copolymer based on thermally converted isothianaphthene dimer and thiazolothiazole subunits

Effect of halide binding on intramolecular exciplex of double-linked zinc porphyrin-fullerene dyad

Effect on Charge Transfer and Charge Recombination by Insertion of a Naphthalene-Based Bridge in Molecular Dyads Based on Borondipyrromethene (Bodipy)

Effects of Carbon-Metal-Carbon Linkages on the Optical, Photophysical, and Electrochemical Properties of Phosphametallacycle-Linked Coplanar Porphyrin Dimers

Excited State Intramolecular Proton Transfer in Electron-Rich and Electron-Poor Derivatives of 10-Hydroxybenzo[h]quinoline

Exploring Förster electronic energy transfer in a decoupled anthracenyl-based borondipyrromethene (bodipy) dyad

Hydrogen-Bonding Effects on the Formation and Lifetimes of Charge-Separated States in Molecular Triads

Intramolecular C-H insertion catalyzed by dirhodium(II) complexes using CO₂ as the reaction media

Large Stokes Shift Fluorescent Dyes Based on a Highly Substituted Terephthalic Acid Core

Making expensive dirhodium(II) catalysts cheaper
Rh(II) recycling methods

Meteorological parameters as an important factor on the energy recovery of landfill gas in landfills

Modulation of visible room temperature phosphorescence by weak magnetic fields

N-1-Functionalized Indole-Phosphane Oxazoline (IndPHOX) Ligands in Asymmetric Allylic Substitution Reactions

Nature's Nonlinear Optical Antennas

Organometallic tris(8-hydroxyquinoline)aluminum complexes as buffer layers and dopants in inverted organic solar cells

Photochemical properties and sensor applications of modified yellow fluorescent protein (YFP) covalently attached to the surfaces of etched optical fibers (EOFs)

Photoinduced charge shift and charge recombination through an alkynyl spacer for an expanded acridinium-based dyad

Photoinduced Electron Transfer in Linear Triarylamine-Photosensitizer-Anthraquinone Triads with Ruthenium(II), Osmium(II), and Iridium(III)

Photolysis and Quantum-Chemical Calculations of the Nalidixic Acid Radical States

Photophysics of Fe(III)-tartrate and Fe(III)-citrate complexes in aqueous solutions

Preparation and Photophysical and Photoelectrochemical Properties of a Covalently Fixed Porphyrin–Chemically Converted Graphene Composite

Processing and sustained in vitro release of rifampicin containing composites to enhance the treatment of osteomyelitis

Quantitative Analysis of Intramolecular Exciplex and Electron Transfer in a Double-Linked Zinc Porphyrin-Fullerene Dyad

Redox processes in photochemistry of Pt(IV) hexahaloid complexes

Rh-IndOleF₂Ox catalyzed conjugate addition/Heck-type coupling of organoboronics to a lactam or a lactone

Self-Assembled Porphyrins on Modified Zinc Oxide Nanorods: Development of Model Systems for Inorganic-Organic Semiconductor Interface Studies

Syntheses and Excitation Transfer Studies of Near-Orthogonal Free-Base Porphyrin – Ruthenium Phthalocyanine Dyads and Pentad

Synthesis and characterization of tris-(5-amino-8-hydroxyquinoline)aluminum complexes and their use as anode buffer layers in inverted organic solar cells

Synthesis of 2-Aryl-Substituted Chromans by Intramolecular C-O Bond Formation

Synthesis of porphyrinoids with silane anchors and their covalent self-assembling and metallation on solid surface

Synthesis of titanate nanostructures using amorphous precursor material and their adsorption/photocatalytic properties

The fluorine effect: photophysical properties of borondipyrrromethene (bodipy) dyes appended at the meso position with fluorinated aryl groups

Vectorial Photoinduced Charge Transfer in Langmuir-Blodgett Films of Porphyrin-Based Donor-Acceptor Systems

Construction of bispirooxindoles containing three quaternary stereocentres in a cascade using a single multifunctional organocatalyst

Core-Structure-Motivated Design of a Phosphine-Catalyzed [3+2] Cycloaddition Reaction
Enantioselective Syntheses of Spirocyclopenteneoxindoles

1,7- And 1,6-Regioisomers of Diphenoxy and Dipyrrolidinyl Substituted Perylene Diimides: Synthesis, Separation, Characterization, and Comparison of Electrochemical and Optical Properties

Anaerobic H₂ production at elevated temperature (60 °C) by enriched mixed consortia from mesophilic sources

A solid phase extraction technique for HPLC analysis of short chain fatty acid fluxes during microbial degradation of plant polymers

Bay Region Borylation of Perylene Bisimides

Biohydrogen production in alkalithermophilic conditions: *Thermobrachium celere* as a case study

Carbon Nanotube Wiring of Donor-Acceptor Nanograins by Self-Assembly and Efficient Charge Transport

Comparison of sea surface microlayer and subsurface water bacterial communities in the Baltic sea

Covalent phthalocyanine-fullerene dyads: synthesis, electron transfer in solutions and molecular films

Dynamics of Photoinduced Charge Transfer of Fullerene Based Donor-Acceptor Systems: From Solution to Organized Molecular Films

Effect of Anion Ligation on Electron Transfer of Double-Linked Zinc Porphyrin - Fullerene Dyad

Effects of fullerene encapsulation on structure and photophysical properties of porphyrin-linked single-walled carbon nanotubes

Electronic Structure Manipulation of (Benzothiazole)zinc Complexes: Synthesis, Optical and Electrochemical Studies of 5-Substituted Derivatives

Enhanced performance and stability of inverted organic solar cells by using novel zinc-benzothiazole complexes as anode buffer layer

Excitation energy transfer in the LHC-II trimer: from carotenoids to chlorophylls in space and time

Fused Alq3 derivatives: syntheses and photophysical characteristics

Indole-olefin-oxazoline (IndOlefOx)-ligands: synthesis and utilization in asymmetric Rh-catalyzed conjugate addition

Optical, Electrochemical, and Photovoltaic Effects of an Electron-Withdrawing Tetrafluorophenylene Bridge in a Push -Pull Porphyrin Sensitizer Used for Dye-Sensitized Solar Cells

Photochemical processes for dithiocarbamate metal complexes. Photochemistry of NiII(*n*-Bu₂NCS₂)₂ complex in CCl₄

Photochemistry of Dithiocarbamate Cu(II) Complex in CCl₄

Photochromic processes in di(mercaptoquinolinato)Ni(II) complex and perfluordiphenyl disulfide solutions

Photocurrent generation in fullerene-phthalocyanine composite by in situ cationic polymerization

Photoinduced electron transfer in a directly linked meso-triphenylamine zinc porphyrin-quinone dyad

Photoinduced intra- and intermolecular electron transfer in solutions and in solid organized molecular assemblies

Photoinduced processes in chromophore-gold nanoparticle assemblies

Photophysics and photoelectrochemical properties of nano hybrids consisting of fullerene-encapsulated single-walled carbon nanotubes and poly(3-hexylthiophene)

Poly(b-amino ester)-DNA complexes: Time-resolved fluorescence and cellular transfection studies

Preparation of triethylammonium tetra-arylborates (TETABs): coupling partners for the Suzuki reaction

Role of Polyplex Intermediate Species on Gene Transfer Efficiency: Polyethylenimine-DNA Complexes and Time-Resolved Fluorescence Spectroscopy

Self-assembled monolayers (SAMs) of porphyrin deposited inside photonic crystal fibre (PCF)

Structure of porphyrin-fullerene dyad monolayer on the water surface and solid substrate

Study of PEGylated Lipid Layers as a Model for PEGylated Liposome Surfaces: Molecular Dynamics Simulation and Langmuir Monolayer Studies

Synthesis and photovoltaic properties of thiopheneimide-fused thiophene alternating copolymers with different alkyl side chains

The excited states of a porphine-quinone complex under an external electrostatic field calculated by TDDFT

Ultrafast excitation transfer and charge stabilization in a newly assembled photosynthetic antenna-reaction center mimic composed of boron dipyrrol, zinc porphyrin and fullerene

Ultrafast pump-probe spectroscopy of IrCl₆²⁻ complex in alcohol solutions

Utilization of IndPHOX-ligands in palladium-catalysed asymmetric allylic aminations

Photopolymerizable liquid fullerene, phthalocyanine and porphyrin derivatives: synthesis, analysis and photocurrent generation

Computational study of charge transfer in a porphine: quinone complex and novel alkoxypridylindolizine derivatives

Multilayered thin films for organic photovoltaics

Boronic Acids and Esters in the Petasis-Borono Mannich Multicomponent Reaction