

Semiconductor Photochemistry (SP4)**POSTER SESSION I (24th June, 18:30 - 20:00)**

Posters have to be on boards in the morning on 24th June and have to be removed until 8:00 on 25th June

Topic 2 - Solar to Chemical Energy Conversion

P2-1	Hazafy	NOVEL PHOTODIODES FOR PHOTOCHEMICAL WATER SPLITTING BASED ON STAINLESS STEEL SUBSTRATE
P2-2	Kim Seonghun	HETEROJUNCTION ELECTRODES FOR PHOTON HARVESTING AND SIMULTANEOUS STORAGE
P2-3	Marschall	SOL-GEL SYNTHESIS OF DEFECT PYROCHLORE STRUCTURED CsTaWO ₆ AND THE TRIBOCHEMICAL INFLUENCES ON PHOTOCATALYTIC ACTIVITY
P2-4	Chatzitakis	HYDROGEN PRODUCTION AND ORGANIC POLLUTANTS REDUCTION IN AN ALGAE PHOTOELECTROCHEMICAL CELL
P2-5	Wang Lidong	VISIBLE LIGHT-DRIVEN PHOTOOXIDATION OF WATER AT HYBRID PHOTOANODES
P2-6	Choi	ENHANCED PHOTOCATALYTIC EVOLUTION OF HYDROGEN THROUGH THIOCYANATE COMPLEXED ON Ag/TiO ₂
P2-7	Kim Sujeong	RUTHENIUM BIPYRIDYL-SENSITIZED PHOTOSYNTHETIC CONVERSION OF CO ₂ IN THE PRESENCE OF Re(bpy)(CO) ₃ Cl EMBEDDED IN NAFION AS A CO-CATALYST UNDER VISIBLE LIGHT IRRADIATION
P2-8	Kmetykó	VISIBLE LIGHT DRIVEN PHOTOCATALYTIC H ₂ PRODUCTION USING NOBLE METAL MODIFIED TiO ₂
P2-9	Grigioni	PHOTOCATALYTIC CO ₂ REDUCTION VS. HYDROGEN PRODUCTION FROM CH ₃ OH/H ₂ O VAPOURS WITH A SERIES OF METAL-MODIFIED TITANIAS
P2-10	Tang	PHOTOCATALYTIC REDUCTION OF CO ₂ BY KTaO ₃ USING WATER AS A HOLE SCAVENGER
P2-11	Brunclíková	PHOTOELECTROCHEMICAL PROPERTIES OF THIN α -Fe ₂ O ₃ FILMS PREPARED BY SOL-GEL METHOD
P2-12	Main	PHOTOCATALYTIC HYDROGEN PRODUCTION FROM ETHANOL OVER GOLD-TITANIA (P25 - BROOKITE)
P2-13	Busser	ON THE MODIFICATION OF Ga ₂ O ₃ - BASED PHOTOCATALYSTS FOR WATER SPLITTING
P2-14	Kočí	SOL-GEL DERIVED Pd/ TiO ₂ -(ZrO ₂) POWDERS AND THEIR EXAMINATION IN PHOTOCATALYTIC REDUCTION OF CO ₂
P2-15	Olejníček	ZnO THIN FILMS PREPARED BY SURFATRON PRODUCED DISCHARGE
P2-16	Cibrev	AN ELECTROCHEMICAL STRATEGY TO IMPROVE THE PERFORMANCE OF NANOSTRUCTURED HEMATITE PHOTOANODES FOR WATER PHOTOSPLITTING
P2-17	Wang Lei	SURFACE TREATMENTS ON HEMATITE PHOTOANODES FOR EFFICIENT SOLAR WATER SPLITTING
P2-18	Lana-Villarreal	EFFECT OF THE ELECTROLYTE COMPOSITION ON THE PHOTOOXIDATION OF WATER ON TITANIUM DIOXIDE ELECTRODES
P2-19	Fina	GRAPHITIC CARBON NITRIDE FOR HYDROGEN PRODUCTION UNDER VISIBLE LIGHT
P2-20	Mantilla	PHOTOCATALYTIC H ₂ PRODUCTION BY WATER SPLITTING REACTION USING TiO ₂ -MnO _x

P2-21	Liu N.	'BLACK' TITANIUM DIOXIDE NANOTUBES FOR ENHANCED PHOTOELECTROCHEMICAL WATER SPLITTING
P2-22	Garcia	EVALUATION OF WATER SPLITTING PHOTOACTIVITY OF UNDOPE, W AND Nb DOPED TiO ₂ NANOPOWDERS OBTAINED BY FLAME SPRAY SYNTHESIS
P2-23	Kum	PHOTOCATALYTIC WATER SPLITTING FOR HYDROGEN PRODUCTION OVER MIXTURE OF COPPER OXIDE, TITANIUM DIOXIDE, AND NOBLE METAL
P2-24	Krýsa	PHOTOELECTROCHEMICAL PROPERTIES OF SOL GEL TiO ₂ FILMS OF VARIOUS THICKNESS AND POROSITY
P2-25	Puteh	SYNTHESIS AND CHARACTERIZATION OF MANGANESE COMPOUND AS A WATER OXIDIZING CATALYST
P2-26	Svora	VISIBLE LIGHT PHOTOCATALYTIC HYDROGEN GENERATION ON PrFeO ₃ TYPE PEROVSKITE FROM ETHANOL-WATER SYSTEM
P2-27	Carmichael	PREFERENTIALLY ORIENTED BORON DOPED TITANIUM DIOXIDE FOR PHOTOCATALYTIC WATER REDUCTION

Topic 6 - New Materials

P6-1	Marques	CONTROLLED RELEASE OF VOLATILE AGENTS FROM POLYMERIC MICROCAPSULES BY PHOTOCATALYTIC N-DOPED TiO ₂ NANOPARTICLES
P6-2	Fresno	PHOTOCATALYTIC ACTIVITY OF BiVO ₄ AND BiVO ₄ /TiO ₂ COMPOSITES FOR THE DEGRADATION OF TOLUENE VAPOURS UNDER UV-VIS LIGHT
P6-3	Morozová	RELATIONSHIPS BETWEEN STRUCTURAL AND PHOTO-INDUCED PROPERTIES OF THE THIN SOL-GEL TiO ₂ LAYERS
P6-4	Park	CARBON NANOTUBES AS AN AUXILIARY CATALYST IN HETEROJUNCTION PHOTOCATALYSIS FOR SOLAR HYDROGEN
P6-5	Lim	ENHANCING THE VISIBLE ACTIVITY OF TiO ₂ THROUGH A COMBINATION OF Nb DOPING AND FULLEROL ADSORPTION
P6-6	Dytrych	PHOTO-ELECTROCHEMICAL PROPERTIES OF ZnO AND TiO ₂ LAYERS IN THE IONIC LIQUIDS ENVIRONMENT
P6-7	Soliveri	TRANSPARENT TITANIA LAYERS FOR INDOOR POLLUTION REMEDIATION
P6-8	Mansfeldová	PREPARATION AND PROPERTIES OF NANOSTRUCTURED TITANIA BY THE AID OF IONIC LIQUIDS
P6-9	Karacsonyi	THE MECHANISM OF CHARGE TRANSFER IN TITANIA/TUNGSTEN OXIDE COMPOSITES IN THE LIQUID AND GAS PHASE
P6-10	Zielinska Jurek	PREPARATION AND CHARACTERISATION TITANIUM DIOXIDE NANOPARTICLES HIGHLY ACTIVE UNDER VISIBLE LIGHT IRRADIATION
P6-11	Baudys	PHOTOCATALYTIC PROPERTIES OF VARIOUS ZnO NANOPARTICLES
P6-12	Jimenez-Relinque	EFFICIENCY OF TiO ₂ ENRICHED PHOTOCATALYTIC CONSTRUCTION MATERIALS BASED ON THEIR PRODUCTION OF ACTIVE SPECIES
P6-13	Le	STUDY ON FACTORS AFFECTING THE STRUCTURE FORMATION AND CATALYTIC ACTIVITY OF THE MESOPOROUS SILICA-PILLARED MONTMORILLORITE MATERIALS IN CUMEN AND WAX CRACKING REACTION
P6-14	Pan	HYDROUS TiO ₂ SPHERES: AN EXCELLENT PLATFORM FOR THE RATIONAL DESIGN OF MESOPOROUS TiO ₂ -BASED SPHERES WITH TUNABLE SIZE AND INNER STRUCTURES
P6-15	Pablos	ELECTROCHEMICALLY ASSISTED PHOTOCATALYTIC DISINFECTION ON TiO ₂ AND NITROGEN-DOPED TiO ₂ NANOTUBES
P6-16	Saito	GENERATION OF THE SINGLET MOLECULAR OXYGEN ON THE METAL OXIDE SURFACES BY EXCITATION OF GOLD NANO PARTICLE PLASMON RESONANCE
P6-17	Sannino	ENHANCED PHOTONS TRANSFER WITH STRUCTURED N-DOPED TiO ₂ ON PHOSPHORS FOR PHOTOCATALYTIC TREATMENT OF WASTEWATER
P6-18	Ohno	HIGH VISIBLE-LIGHT ACTIVE Ir-DOPED-TiO ₂ BROOKITE PHOTOCATALYST SYNTHESIZED BY HYDROTHERMAL MICROWAVE-ASSISTED PROCESS
P6-19	Ökte	ENVIRONMENTAL AND ENERGY APPLICATIONS OF TiO ₂ SUPPORTED FLYASH NANOCOMPOSITES
P6-20	Bekbolet	SOLAR PHOTOCATALYTIC PERFORMANCE OF ANION DOPED TiO ₂ ON THE DEGRADATION OF COMPLEX ORGANIC MATRIX

P6-21	Paušová	PREPARATION OF TiO ₂ -SiO ₂ COMPOSITE MATERIALS AND THEIR APPLICATIONS IN WATER AND AIR CLEANING
P6-22	Yoo	NOBLE METAL DECORATED ARRAYS OF TiO ₂ NANOTUBES FOR PHOTOCATALYSIS
P6-23	Killian	TRACING OF DOPANTS IN NOVEL PHOTOCATALYSTS BY SURFACE ANALYSIS
P6-24	Hu	UPCONVERTER Er ³⁺ DOPED β-Bi ₂ O ₃ SINGLE CRYSTALLINE NANOSHEETS WITH EXPOSED REACTIVE {001} FACETS AND ENHANCED PHOTOCATALYTIC PERFORMANCE
P6-25	Zalas	SYNTHESIS OF N-DOPED TEMPLATE FREE MESOPOROUS TITANIA FOR VISIBLE LIGHT PHOTOCATALYTIC APPLICATIONS
P6-26	Cheng	PHOTOCATALYTIC PROPERTIES OF TIN DIOXIDE-TITANIUM DIOXIDE CORE-SHELL NANOPILLAR ARRAYS
P6-27	Grabowska	SYNTHESIS AND CHARACTERISTICS OF DECAHEDRAL TiO ₂ PARTICLES
P6-28	Bouhadoun	CHARACTERIZATION AND PHOTOCATALYTIC APPLICATION OF TiO ₂ NANOPARTICLES SYNTHESIZED BY LASER PYROLYSIS
P6-29	Marschall	LAYERED CESIUM TITANATES FOR PHOTOCATALYTIC H ₂ PRODUCTION
P6-30	Obregon	HIGH-PERFORMANCE Er ³⁺ -TiO ₂ SYSTEM: DUAL UP-CONVERSION AND ELECTRONIC ROLE OF THE LANTHANIDE
P6-31	Obregon	IMPROVED PHOTOCATALYTIC ACTIVITY OF g-C ₃ N ₄ -TiO ₂ COMPOSITES PREPARED BY A SIMPLE IMPREGNATION METHOD
P6-32	Pližingrová	PREPARATION OF TITANIA NANOPARTICLES FROM TITANYLSULPHATE USING LYOPHILIZATION; CHARACTERIZATION AND PHOTOACTIVITY ASSESSMENT
P6-33	Regulska	CARBON-BASED NANOMATERIALS FOR TiO ₂ PHOTSENSITIZATION
P6-34	Mitsionis	PREPARATION OF HIGH EFFICIENCY TiO ₂ PHOTOCATALYSTS VIA MICROEMULSION METHOD
P6-35	Răileanu	STRUCTURAL STUDY OF SOL-GEL NICKEL DOPED TiO ₂ NANOPOWDERS WITH PHOTOCATALYTIC ACTIVITY
P6-36	Crisan D.	STRUCTURAL STUDY OF SOL-GEL IRON DOPED TiO ₂ NANOPOWDERS WITH PHOTOCATALYTIC ACTIVITY
P6-37	Crisan M.	STRUCTURAL STUDY OF SOL-GEL COBALT DOPED TiO ₂ NANOPOWDERS WITH PHOTOCATALYTIC ACTIVITY

Topic 8 - Commercial Applications, Standardization

P8-4	Kato	PIAJ MARK CERTIFICATION FOR CONSUMERS- CREDITABILITIES
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POSTER SESSION II (25th June, 18:30 - 20:00)

Posters have to be on boards in the morning on 25th June and have to be removed until 8:00 on 26th June

Topic 1 - Solar to Electricity Conversion

P1-1	Lianos	STUDY OF THE STABILITY OF QUANTUM DOT SENSITIZED SOLAR CELLS
P1-2	Stroyuk	INORGANIC PHOTOELECTROCHEMICAL SOLAR CELLS BASED ON NANOCRYSTALLINE ZINC OXIDE FILMS SENSITIZED WITH METAL CHALCOGENIDES
P1-3	Krýsová	TITANIA NANOFIBER PHOTOANODES FOR DYE-SENSITIZED SOLAR CELLS
P1-4	Lee K.	SELF-ORGANIZED METAL OXIDE NANOSTRUCTURES BY ANODIZATION AND THEIR USE FOR PHOTOELECTROCHEMICAL AND PHOTOCATALYTIC APPLICATIONS
P1-5	Vaimakis	SOLVOTHERMAL SYNTHESIS AND PHOTOCATALYTIC PERFORMANCE OF Mg ²⁺ -DOPED ANATASE NANOCRYSTALS WITH EXPOSED {001} FACETS
P1-6	Luo	PREPARATION AND PHOTO RESPONSE STUDIES OF PHOTOCATALYTIC BiVO ₄ THIN FILMS

Topic 6 - New Materials

P6-38	Kusiak-Nejman	CARBON MODIFICATION OF TiO ₂ WITH BUTYL ALCOHOLS AS A PROMISING ROUTE OF PHOTOCATALYSTS PREPARATION
P6-39	Laskova	LEVEL OF CAPACITIVE CHARGE STORAGE IN TiO ₂ (B)
P6-40	Nguyen P.T.N.	A NON-HYDROLYTIC SOL-GEL SYNTHESIS OF REDUCED GRAPHENE OXIDE/TiO ₂ MICROSPHERES PHOTOCATALYSTS
P6-41	Zhou M.	INNOVATIVE PHOTOCATALYTIC TITANIA MEMBRANE BY PLASMA-ENHANCED CHEMICAL VAPOR DEPOSITION (PECVD) FOR WATER TREATMENT TECHNOLOGY
P6-42	Zielinska Jurek	PREPARATION, CHARACTERIZATION AND VISIBLE LIGHT ACTIVITY OF Ag/Pt-MODIFIED TiO ₂ NANOPARTICLES
P6-43	Hou	FORMATION OF AgI/TiO ₂ NANOCOMPOSITE LEADS TO EXCELLENT PHOTOSTABILITY
P6-44	Deng	SYNTHESIS AND PHOTOCATALYTIC PROPERTY OF NOVEL UNSYMMETRICAL METAL-FREE AND METALLO 1,4-DITHIIN-PORPHYRAZINE
P6-45	Zhang Z.	POTOCATALYTIC OXIDATIVE DEGRADATION OF ORGANIC POLLUTANT WITH MOLECULAR OXYGEN ACTIVATED BY A NOVEL BIOMIMETIC CATALYST ZnPz(dtn-COOH) ₄
P6-46	Trapalis	TiO ₂ FUNCTIONALIZATION FOR PHOTOACTIVE CEMENT SURFACES
P6-47	Kirchgeorg	C-,N-,S- DOPING OF NANOSTRUCTURED METAL OXIDES FOR VISIBLE LIGHT ABSORPTION
P6-48	Tuncel	TiO ₂ AND ZnO LOADED MnO ₂ NANOCOMPOSITES: CHARACTERIZATION AND PHOTOACTIVITY INVESTIGATION
P6-49	Černá	STUDY OF IRON-DOPED TITANIUM DIOXIDE THIN LAYERS PREPARED BY MATERIAL PRINTING
P6-50	Petronella	DIRECT GROWTH OF PHOTOACTIVE TiO ₂ SHAPE- CONTROLLED NANOCRYSTALS ONTO SINGLE WALLED CARBON NANOTUBE
P6-51	Stroyuk	PHOTOCHEMICAL SYNTHESIS OF COMPOSITE ZnO/Ag ₂ S NANOSTRUCTURE
P6-52	Monteiro R.	TITANIA BASED PAINTS FOR VOCs ABATEMENT
P6-53	Comparelli	NOVEL PHOTOACTIVE NANOCRYSTALLINE CATALYSTS FOR ENVIRONMENTAL APPLICATIONS
P6-54	Trapalis	OPTICAL PROPERTIES OF COMPOSITE ZnO/TiO ₂ THIN FILMS
P6-55	Cibrev	POTENTIOSTATIC REVERSIBLE PHOTOELECTROCROMISM AT TRANSPARENT AND NANOPOROUS TiO ₂ /Ni(OH) ₂ THIN FILMS.
P6-56	Gómez	ANATASE AND RUTILE ELECTRODES MADE OF ULTRATHIN NANOWIRES: ON HOW TO COMPARE AND IMPROVE THEIR PHOTOELECTROCATALYTIC BEHAVIOR
P6-57	Kovács	CORRELATION OF THE TiO ₂ /WO ₃ /Au COMPOSITES' STRUCTURE WITH PHENOL PHOTODEGRADATION INTERMEDIATES
P6-58	Monteiro O.	SYNTHESIS AND PHOTOCATALYTIC PROPERTIES OF TITANATES NANOTUBES SENSITIZED BY CRYSTALLINE ZnS NANOPARTICLES
P6-59	Šubrt	LOW TEMPERATURE DEPOSITION OF ANATASE ON NANOFIBER MATERIALS
P6-60	Pillai	EFFECT OF CARBON DOPING ON TiO ₂ PHOTOCATALYSTS
P6-61	Rodriguez-González	UNDERSTANDING THE VISIBLE-LIGHT RESPONSIVE PHOTOACTIVITY OF Ag-GRAPHENE OXIDE NANOCOMPOSITES
P6-62	Kim Soonhyun	CORE/SHELL STRUCTURED CARBON NANOFIBER/TITANATE NANOTUBES WITH ENHANCED PHOTOCATALYTIC ACTIVITY
P6-63	Liu B.	NOVEL TiO ₂ HIERARCHICAL NANOSTRUCTURAL MATERIALS PREPARED BY ELECTROSPRAY PLUS HYDROTHERMAL POST TREATMENT AND APPLICATIONS
P6-64	Qamar	SYNTHESIS AND PHOTOCATALYTIC ACTIVITY OF MESOPOROUS NANOCRYSTALLINE Fe-DOPED TITANIUM DIOXIDE
P6-65	Qamar	MESOPOROUS TANTALUM OXY NITRIDE (TaON) NANOSPHERES: SYNTHESIS, CHARACTERIZATION AND PHOTOCATALYTIC PROPERTIES
P6-66	Maixner	CRYSTALLINITY AND SIZE OF VARIOUS ZnO NANOPARTICLES
P6-67	Wan Ismail	ENHANCEMENT OF TiO ₂ PHOTOABSORPTION BY MIXTURE OF PROTEIN AND CARBOHYDRATES

P6-68	Kolář	TIN-DOPED HEMATITE PHOTOELECTRODES – EFFECT OF DOPING ON MAGNETIC PROPERTIES AND PERFORMANCE FOR LIGHT-INDUCED WATER SPLITTING
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Topic 5 - Organic Photosynthesis

P5-1	O'Rourke	PHOTOCATALYTIC ORGANIC SYNTHESIS: C-C COUPLING OF PHENOXYACETIC ACID AND ACRYLAMIDE IN AN NMR TUBE
P5-2	Neubert	PHOTOCATALYTIC PROPERTIES OF SURFACE-MODIFIED TiO ₂ PHOTOCATALYSTS PREPARED VIA A VISIBLE-LIGHT PHOTOSYNTHETIC ROUTE
P5-3	Rhydderch	EPR AND IR STUDIES OF TITANIA PHOTOCATALYSTS FOR ORGANIC SYNTHESIS
P5-4	Vaiano	PHOTOCATALYTIC PROPYLENE EPOXIDATION WITH Bi ₂ WO ₆ -BASED PHOTOCATALYSTS
P5-5	McCullagh	PHOTOCATALYTIC REACTOR DEVELOPMENT FOR ORGANIC SYNTHESIS

Topic 7 - Mechanistic Studies, Engineering, Modelling

P7-1	Krichevskaya	ANALYSIS OF PHOTOCATALYTIC PERFORMANCE OF PYROGENIC TITANIUM DIOXIDE NANOPOWDERS IN VIEW OF THEIR POLYDISPERSITY AND ANATASE PHASE TRANSITION
P7-2	Ryabchuk	EXCITATION PATHWAYS AND REACTIVITY OF ADSORBED OXYGEN SPECIES IN HETEROGENEOUS PHOTOCATALYSIS
P7-3	Brezová	EPR STUDY OF ¹⁷ O-ENRICHED TITANIA NANOPOWDERS UNDER UV IRRADIATION
P7-4	Bayarri Ferrer	PHOTOCATALYSIS OF THE EMERGENT CONTAMINANT PROPANOLOL. KINETICS AND DEGRADATION MECHANISM IN WATERS
P7-5	Dvoranová	PHOTOINDUCED REDUCTION OF INDOPHENOLS IN TiO ₂ SUSPENSIONS (AN EPR AND UV-VIS STUDY)
P7-6	Beukes	EPR STUDIES OF OXYGEN SPECIES ON TITANIUM DIOXIDE PHOTOCATALYSTS: WHAT HAPPENS TO THE TRAPPED HOLES?
P7-7	Nguyen N.-T.	INVESTIGATION OF INTERFACE JUNCTION IN MIXED-PHASE OF ANATASE/ RUTILE TiO ₂
P7-8	Jirkovský	MECHANISM OF PHOTOINDUCED DEGRADATION OF BENZENE IN WATER
P7-9	Vorontsov	DETERMINATION OF PREDOMINANT POSITION OF ACTIVE CENTERS FOR HYDROGEN PHOTOPRODUCTION OVER Pt/TiO ₂ PHOTOCATALYSTS
P7-10	Robertson	EFFECTS OF pH ON PHOTONIC EFFICIENCY OF TiO ₂ PHOTOCATALYSIS UNDER PERIODIC UV-LED ILLUMINATION

POSTER SESSION III (26th June, 15:20 - 16:20, 27th June, 9:50 - 10:10)

Posters have to be on boards in the morning on 26th June and have to be removed until 15:00 on 27th June

Topic 3 - Air and Water Remediation

P3-1	Glazkova	INVESTIGATION OF THE FEATURES OF THE REACTION CO+NO+hν → 1/2N ₂ +CO ₂ ON TiO ₂ (HOMBIFINE N) UNDER VISIBLE LIGHT IRRADIATION
P3-2	Nikitin	INVESTIGATION OF PHOTOSTIMULATED INTERACTION OF N ₂ O AND CO ON TiO ₂ (HOMBIFINE N) SURFACE
P3-3	Szabó-Bárdos	DEGRADATION OF A NONIONIC SURFACTANT (TRITON X-100) BY COMBINATION OF ADVANCED OXIDATION PROCEDURES
P3-4	Szabó-Bárdos	TITANIUM DIOXIDE MEDIATED PHOTOCATALYTIC DEGRADATION OF NAPHTHALENESULFONATES COMBINED WITH OTHER ADVANCED OXIDATION PROCEDURES
P3-5	Zhang X.	PHOTOCATALYTIC MEMBRANES FOR WATER TREATMENT

P3-6	Buchalska	PHOTODEGRADATION OF HERBICIDES AT TiO ₂ MODIFIED WITH HEXAFLUOROMETALLATES
P3-7	Zhang T.	MAGNETICALLY RECOVERABLE CORE-SHELL NANOCOMPOSITES WITH ENHANCED PHOTOCATALYTIC ACTIVITY
P3-8	Pulišová	ENHANCED PHOTOCATALYTIC DEGRADATION RATES AT TiO ₂ PHOTOCATALYSTS MODIFIED WITH REDOX CO-CATALYSTS
P3-9	Pasgreta	4G-PHOTO CAT: NANO-ENGINEERED COMPOSITES FOR WATER DECONTAMINATION IN LOW-COST PAINTABLE PHOTOREACTORS
P3-10	Wanag	SO ₂ ADSORPTION STUDIES OF ON THE NITROGEN MODIFIED TiO ₂ PHOTOCATALYSTS
P3-11	Bayarri Ferrer	KINETICS OF THE PHOTOCATALYTIC REMOVAL OF METOPROLOL IN TiO ₂ SUSPENSION WITH ARTIFICIAL LIGHT
P3-12	Choina	PHOTOCATALYTIC REMEDIATION OF WATER FROM PHARMACEUTICALS OVER NANOSCALE ZINC OXIDE
P3-13	Veréb	PHOTOCATALYTIC WATER TREATMENT BY VARIOUS RUTILE TiO ₂ PHOTOCATALYSTS UNDER VISIBLE LIGHT IRRADIATION
P3-14	Grzeškowiak	UV-A PHOTOCATALYTIC OXIDATION OF H ₂ S OVER TiO ₂ SUPPORTED ON A QUARTZ WOOL
P3-15	Moulis	PHOTODEGRADATION OF VOCs IN FLOW-THROUGH PHOTOREACTOR USING TiO ₂ /UV-A AND H ₂ O ₂ /UV-C SYSTEM
P3-16	Lee J.	VISIBLE LIGHT INDUCED DEGRADATION OF ORGANIC POLLUTANTS BY WO ₃ PHOTOCATALYST IN COMBINATION WITH VARIOUS ELECTRON ACCEPTORS
P3-17	Fernandez-Ibanez	OPTIMIZATION OF MILD HETEROGENEOUS PHOTOCATALYSIS WITH LOW CONCENTRATION OF TiO ₂ FOR WWTP EFFLUENTS CONTAINING MICRO-CONTAMINANTS
P3-18	Benchenaa	PHOTOCATALYTIC TiO ₂ -BASED COATINGS ON FLEXIBLE MATERIALS FOR BUILDING APPLICATIONS
P3-19	Vaiano	HETEROGENEOUS PHOTOCATALYTIC OXIDATION OF METHYL ETHYL KETONE UNDER UV-A LIGHT IN AN LED-FLUIDIZED BED REACTOR
P3-20	Freitag	TiO ₂ COATINGS ON METAL SURFACES: PREPARATION AND PHOTOCATALYTIC ACTIVITY
P3-21	Bajt	HETEROGENEOUS PHOTOCATALYZED DEGRADATION OF DIBUTYLPHTHALATE WITH GOETHITE AND CARBOXYLIC ACIDS
P3-22	Jiménez-Tototzintle	SUPPORTED-TiO ₂ SOLAR PHOTOCATALYSIS AT PILOT PLANT SCALE: DEGRADATION OF PESTICIDES FOUND IN WASTEWATER FROM CITRUS PROCESSING INDUSTRY. REACTIVITY AND REACTION PATHWAYS
P3-23	Jiménez-Tototzintle	PHOTOCATALYTIC INACTIVATION OF FUNGI AND BACTERIA IN CPC REACTOR: EFFECT OF AIR INJECTION AND WATER TEMPERATURE
P3-24	Pirilă	TiO ₂ -COATED CLAY GRANULES FOR PHOTOCATALYTIC DEGRADATION OF METHYLENE BLUE
P3-25	Suárez	ENHANCED PHOTOCATALYTIC ACTIVITY OF TiO ₂ THIN FILMS ON PLASMA-PRETREATED ORGANIC POLYMERS
P3-26	Valtanen	PHOTOCATALYTIC REMOVAL OF PESTICIDES OVER TiO ₂ BASED CATALYSTS
P3-27	Obalová	PHOTOCATALYTIC DECOMPOSITION OF N ₂ O ON ZnS-MMT CATALYST
P3-28	Dunlop	AQUAPULSE - LED BASED PHOTOCATALYTIC WATER TREATMENT
P3-29	Touati	PHOTOCATALYTIC OXIDATION OF TEXTILE WASTEWATER OVER CERIUM DOPED TITANIUM DIOXIDE MATERIALS
P3-30	Mantilla	APPLICATION OF Zn ²⁺ /Al ³⁺ /Sn ⁴⁺ MATERIALS DERIVED FROM DOUBLE LAYERED HYDROXIDES TO THE PHOTODEGRADATION OF PHENOL IN PRESENCE OF UV LIGHT
P3-31	Skillen	THE DESIGN AND CONSTRUCTION OF A NOVEL PROPELLER FLUIDISED PHOTO REACTOR FOR APPLICATION IN PHOTOCATALYTIC PROCESSES
P3-32	Shand	SIMULTANEOUS REMOVAL OF NITRATE AND ORGANICS OVER TiO ₂ SUPPORTED Au AND Au-BASED BIMETALLIC PHOTOCATALYSTS
P3-33	Choo	COMPARISON BETWEEN PHOTOCATALYTIC AND ELECTROCHEMICAL PROCESSES FOR THE TREATMENT OF REVERSE OSMOSIS CONCENTRATE
P3-34	Simonsen	PHOTOLYTIC AND PHOTOCATALYTIC DEGRADATION OF TRIBUTYL TIN FROM SEA WATER

P3-35	Xu	REINVESTIGATION INTO THE REDOX BEHAVIOR OF Cu^{2+} AND Fe^{3+} IONS FOR THE PHOTOCATALYTIC DEGRADATION OF ORGANIC SUBSTRATES OVER TiO_2 AND WO_3
P3-36	Ren	NOVEL EFFECT OF SIGNIFICANT ENHANCEMENT OF GAS-PHASE PHOTOCATALYTIC EFFICIENCY FOR NANO ZnO
P3-37	Li G.	SYNTHESIS OF N-DOPED CARBONACEOUS SPECIES- TiO_2 COMPOSITE PHOTOANODES FOR HIGHLY EFFECTIVE VISIBLE-LIGHT-INDUCED PHOTOELECTROCATALYTIC INACTIVATION OF E. COLI
P3-38	Rashid	ENHANCED VISIBLE LIGHT HARVESTING POTENTIAL OF Ce/TiO_2 WITH CHROMIUM MODIFICATION
P3-39	Zhang X.	FABRICATION OF NANOSTRUCTURED TiO_2 HOLLOW FIBER MEMBRANE AND APPLICATION FOR WASTEWATER TREATMENT

Topic 4 - Photodisinfection, Self Cleaning Surfaces

P4-1	Hepburn	SMART INKS AS A STANDARD TESTING TOOL FOR SELF CLEANING SURFACES
P4-2	Ratova	OPTIMISATION OF HIPIMS PHOTOCATALYTIC TITANIA COATINGS ON POLYMERIC SUBSTRATES
P4-3	Ostovarpour	PRODUCTION AND CHARACTERISATION OF TiO_2 -Mo COATINGS AS A VISIBLE LIGHT ACTIVE, ANTIMICROBIAL SURFACE
P4-4	Wells	CORRELATION BETWEEN Δ ABS, Δ RGB AND STEARIC ACID DESTRUCTION RATES USING COMMERCIAL SELF CLEANING GLASS AS THE PHOTOCATALYST
P4-5	Baudys	WEATHERING TESTS OF PHOTOCATALYTIC FACADE PAINTS CONTAINING TiO_2
P4-6	Sarno	CERAMIC TILES FUNCTIONALIZED WITH N-DOPED TiO_2 ACTIVE UNDER VISIBLE LIGHT IRRADIATION
P4-7	Smits	PHOTOCATALYTIC DEGRADATION OF SOOT DEPOSITION: SELF-CLEANING EFFECT ON TITANIUM DIOXIDE COATED CEMENTITIOUS MATERIALS
P4-8	Veselý	PHOTOCATALYTIC ACTIVITY OF PRINTED HYBRID TITANIA/SILICA LAYERS
P4-9	Veselá	ANTIMICROBIAL ACTIVITY OF PRINTED HYBRID TITANIA/SILICA LAYERS

Topic 8 - Commercial Applications, Standardization

P8-1	Ek	GAS-PHASE FUNCTIONALIZATION OF POROUS METAL OR METAL OXIDE PARTICLES BY ATOMIC LAYER DEPOSITION (ALD) TECHNIQUE
P8-2	Zlámál	PHOTOACTIVITY ASSESSMENT OF TiO_2 THIN FILMS USING ACID ORANGE 7 AND 4-CHLOROPHENOL AS MODEL COMPOUNDS. INFLUENCE OF LIGHT SOURCE SPECTRA
P8-3	Rodriguez	DEGRADATION OF BODY ODORS AND BACTERIA BY PHOTOCATALYTIC INSOLES
P8-4	Kato	PIAJ MARK CERTIFICATION FOR CONSUMERS' CREDITABILITIES