

## LIST OF POSTER PRESENTATIONS SPEA6 - SESSION 1

### Development of New Materials for Photochemistry and Photocatalysis (Monday 14.6. 2010)

Poster No.	Author's name		Poster title
PP1.01	Adan	Cristina	Synthesis of Bi and Ag Vanadates with Photocatalytic Properties
PP1.02	Di Paola	Agatino	Preparation of Sm-Loaded-Brookite Nanoparticles
PP1.03	Bratovcic	Amra	[nBu <sub>4</sub> N] <sub>4</sub> W <sub>10</sub> O <sub>32</sub> Incorporated Into Sol-gel Silica: Matrix Effects on the Photocatalytic Oxidation of Alcohols
PP1.04	Andronic	Luminita	Copper Sulphide-Based Photocatalyst For Dyes Degradation
PP1.05	Palmisano	Leonardo	Binary Materials TiO <sub>2</sub> or ZnO-Activated Carbon Used as Photomediators in the Photocatalytic Degradation of 2-Propanol in Gas-Solid Regime
PP1.06	Duta	Anca	Tailoring the Photocatalytic Properties of SnO <sub>2</sub> Layer Obtained by SPD Technique
PP1.07	Murcia Lopez	Sebastian	Sunlight Highly Photoactive Bi <sub>2</sub> WO <sub>6</sub> -TiO <sub>2</sub> Heterostructures for Rhodamine B Degradation
PP1.08	Azenha	M.Emília	Preparation and Photoactivity of AC/TiO <sub>2</sub> Nanoparticles synthesized by Sol-Gel Method
PP1.09	Carcel	Radu-Adrian	Thin Films of TiO <sub>2</sub> and WO <sub>3</sub> for Dyes Photocatalysis
PP1.10	Bizarro	Monserrat	Influence of the Particle Geometry on the Photocatalytic Activity of ZnO:Al Films Under Sunlight Irradiation
PP1.11	Tan	Pei Yun	Visible Light Photocatalytic Activity of Thermal Oxidized Titanium Nitride Powder
PP1.12	Laokiat	Laksana	Transition Metals doped TiO <sub>2</sub> Photocatalysts for Visible Light Gas-phase BTEX Degradation
PP1.13	Ghaffari	Mohammad	Preparation of SrTi <sub>(1-x)</sub> Fe <sub>x</sub> O <sub>(3-δ)</sub> for Enhancement of Visible Light Photocatalytic Properties: Optimization of Stoichiometry and Reaction Temperature
PP1.14	Laurier	Katrien G.M.	Photocatalytic Synthesis Of Ag/ZnO Dendritic Structures
PP1.15	Saison	Tamar	Surface Acidity of Bismuth Based Oxides and Its Impact on Photocatalytic Properties
PP1.16	Lin	Chia-Chang	Synthesis of ZnO/SnO <sub>2</sub> by High-Gravity Reactive Precipitation
PP1.17	Noh	Tae Hoon	Photophysical and Photocatalytic Activity of Zn <sub>3</sub> M <sub>2</sub> O <sub>8</sub> (M-Nb,Ta)
PP1.18	AlArfaj	Esam	Optical, Structural and Morphological Characterization of TiO <sub>2</sub> Nanotubes Coated with Thin Films TiO <sub>2</sub> :Ag
PP1.19	Tode	Ryohei	Photocatalytic Water Splitting on Double-Layered Visible Light-Responsive TiO <sub>2</sub> Thin Films Prepared by a Magnetron Sputtering Deposition Method
PP1.20	Fernandez	Cristina	Characterization of New Highly Photoactive Catalysts
PP1.21	Araña	Javier	Degradation of Phenol with Highly Photoactive Catalysts
PP1.22	Ismail	Adel	Study of the Efficiency of UV and Visible-Light Photocatalytic Oxidation of Methanol on Mesoporous RuO <sub>2</sub> -TiO <sub>2</sub> Nanocomposites
PP1.23	Bloh	Jonathan	Preparation, Characterization and Photocatalytic Activity of ZnO-TiO <sub>2</sub> Composite Materials
PP1.24	Houda	Slimen	Elaboration of Stable Anatase TiO <sub>2</sub> Through Commercial Activated Carbon Addition with High Photocatalytic Activity Under Visible Light
PP1.25	Janovak	Laszlo	Preparation of Mechanically Stable Silver and Phosphate Doped TiO <sub>2</sub> / Polymer Composite Films for Photooxidation of Ethanol
PP1.26	Veres	Ágnes	Photocatalytic Degradation of Ethanol on TiO <sub>2</sub> Thin Hybrid Films Supported by Inorganic Materials
PP1.27	Bratovcic	Amra	Fe(III)-Porphyrin Heterogenized on MCM-41: A New Photocatalyst for the Selective Oxidation of 1,4-Pentanediol
PP1.28	Silva	Mónica	Anchoring Zinc Phthalocyanines to Porous Materials for Photocatalysis. Synthesis and Characterization.
PP1.29	Corapci	Esra	Production of Nano Size TiO <sub>2</sub> Sol and Highly Efficient Photocatalytic TiO <sub>2</sub> Powder by Mechanical Ball Milling
PP1.30	d-Alessandro	Nicola	Palladium and Platinum Water-Soluble Phthalocyanines as Efficient Singlet Oxygen Photosensitizers
PP1.31	Hidalgo	M. Carmen	Characterization and Photocatalytic Properties of Titania-Silica Mixed Oxides Doped with Ag and Pt
PP1.32	Slota	Rudolf	Photocatalytic Activity of Nano And Micro Crystalline TiO <sub>2</sub> Hybrid Systems Involving LnPc <sub>2</sub> or MPP Sensitizers
PP1.33	Garcia Perez	Ulises Matias	Nanostructured Photocatalyst BiVO <sub>4</sub> Synthesized Via A Surfactant-Assisted Co-Precipitation Method for the Degradation of Rhodamine B Under Visible-Light Irradiation
PP1.34	Bahnemann	Detlef	Photocatalytic Degradation of the Dye Cibacron Yellow LS-R in the Presence of Fe-Doped TiO <sub>2</sub>
PP1.35	Kouame	Amin Nathalie	Preparation and Optimization of TiO <sub>2</sub> /β-SiC Foam for Industrial Photocatalytic Water Treatment
PP1.36	Kuburovic	Natasa	Influence of Fe <sup>3+</sup> on Photo catalytic Efficiency of Nanopowder TiO <sub>2</sub> and CeO <sub>2</sub> – Comparative Study
PP1.37	Palmisano	Leonardo	Glycerol Partial Oxidation in Aqueous Solution by Home Prepared TiO <sub>2</sub> Photocatalyst
PP1.38	Galeano	Laila	Assessment of Synthesis Conditions of Bare TiO <sub>2</sub> , N Doped and Si, V, Se Codoped Using Sol-Gel Method
PP1.39	Galeano	Laila	Photocatalytic Evaluation of TiO <sub>2</sub> /Nylon Systems Prepared at Different Impregnation Times
PP1.40	Kachina	Anna	Synthesis and Characterization of N-Doped TiO <sub>2</sub> and its Photocatalytic Activity
PP1.41	Ctibor	Pavel	Microstructure and Performance of Titanium Oxide Coatings Sprayed by Oxygen-Acetylene Flame
PP1.42	Pulisova	Petra	Anatase Nanoparticles from Hydrated Titania Gels
PP1.43	Dytrych	Pavel	Photo-Electrochemical Properties of Hierarchical Nanocomposite Structure: Carbon Nanofibers / TiO <sub>2</sub> / ZnO Thin Films
PP1.44	Szatmary	Lorant	Pure TiO <sub>2</sub> and TiO <sub>2</sub> Encapsulated in BN-Nanocages: Comparison of Photocatalytic Properties
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PP1.46	Jimenez	Alex	TiO-N Nanoparticles, Photocatalytic Activity under UV and Visible Light Illumination
PP1.47	Pigot	Thierry	New Materials for Visible Light Photooxidation Based on an Original Organic Photosensitizer Chemically Bonded to Silica Applications to Air Decontamination and Water Disinfection
PP1.48	Kamaruddin	Sameena	The Impact of Silica-Titania Core-Shell-Particles Used as an Alternative Material to Pure Nano-Titania Photocatalyst
PP1.49	Kowalska	Ewa	Improvement of Activity of Gold Modified Titanium(IV) Oxide for Photocatalysis under Visible Light Irradiation
PP1.50	Silva	Cláudia	Carbon Nanotube-TiO <sub>2</sub> Thin Films for Photocatalytic Applications
PP1.51	Hajkova	Pavlna	Increase of Photocatalytic Activity of TiO <sub>2</sub> Films by Pt and Ag Modification
PP1.52	Horakova	Marta	Photocatalytic Activity of TiO <sub>x</sub> Films Deposited by PECVD with Heating Cathode
PP1.53	Pausova	Sarka	Photodegradation of Organic Dye Molecules on LDH/TiO <sub>2</sub> Nanocomposites
PP1.54	Faria	Joaquim	TiO <sub>2</sub> /CNT Composites Photoactivity on the Degradation of Caffeine
PP1.55	Sakata	Yoshihisa	Photocatalytic Property of a Semiconducting Compound Prepared from Urea under Visible Light Irradiation
PP1.56	Ould-Chikh	Samy	Photocatalytic Activity Limits of Undoped Titanium Dioxide

PP1.57	Li Puma	Gianluca	The Effect of Carbon Contents on Carbon Nanotubes - Titanium Dioxide Nanocomposites (CNTs/TiO <sub>2</sub> ) and its Photo-Electro-Chemical Behaviour
PP1.58	Vesely	Michal	Material Printing Methods for Titanium Dioxide Layers Preparation
PP1.59	Cerc Korosec	R.	Photocatalytically Active Titania Thin Films Prepared by Particulate Sol-Gel Route
PP1.60	Yarovyi	V.	Photocatalytic Properties of Cadmium Sulfide Nanoparticles Deposited in Mesoporous Titanium Dioxide Thin Films
PP1.61	Musilova	Eva	Photocatalytic and Antimicrobial Properties of Different TiO <sub>2</sub> Thin Films of Various Porosity and Titania Loading
PP1.62	Šubrt	J.	Sulphur Doped Nanoparticles of TiO <sub>2</sub>
PP1.63	Cerna	Marcela	Physical and Chemical Properties of TiO <sub>2</sub> Printed Layers
PP1.64	Kusiak	Ewelina	Adsorption Abilities of Carbon-Modified TiO <sub>2</sub> Photocatalysts
PP1.65	Kozjek Skofic	Irena	Thermal Analysis and XRD Study of TiO <sub>2</sub> Suspension
PP1.66	Grandcolas	Mathieu	One-Dimensional Titania-Based Photocatalysts for Visible Applications
PP1.67	Nikkanen	Juha-Pekka	The Effect of Organic Residuals to the Crystallization of Titanium Dioxide in Mild Environment
PP1.68	Scotti	Roberto	TiO <sub>2</sub> Nanomaterials with Tailored Morphological and Structural Properties: Improvement of the Photocatalytic Efficiency by Stabilization of Photogenerated Electron-Hole Pairs

## LIST OF POSTER PRESENTATIONS SPEA6 - SESSION 2

### Air and Water Treatment (Tuesday 15.6.2010)

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PP2.02	Hernández Alonso	M. D.	Hybrid TiO <sub>2</sub> /SiMgO <sub>x</sub> Materials for Combined Adsorption and Photocatalytic Elimination of Gaseous H <sub>2</sub> S
PP2.03	Lin	Chia-Chang	Photoreduction of CO <sub>2</sub> with H <sub>2</sub> O by UV/ZnO process
PP2.04	Koci	Kamila	Comparison of the Pure TiO <sub>2</sub> and Kaolinite/TiO <sub>2</sub> Composite as Catalyst for CO <sub>2</sub> Photocatalytic Reduction
PP2.05	Faure	Marie	Impact of photocatalytic supports on <i>E.coli</i> cells injury
PP2.06	Ballari	M.M.	Experimental Study of the NO and NO <sub>2</sub> Degradation by Photocatalytically Active Concrete
PP2.07	Alfano	Orlando	Inactivation of Spores of <i>Bacillus subtilis</i> on UV-irradiated TiO <sub>2</sub> thin films
PP2.08	Hequet	Valérie	Kinetic Investigations and Reaction Intermediates During Photocatalytic Degradation of Decane at ppb Levels
PP2.09	Hadj-ssa	Aurélié	Formaldehyde Removal by Photocatalytic Mortar Mixed With TiO <sub>2</sub>
PP2.10	Bourgeois	Pierre-Alexandre	Photocatalytic Removal of VOCs by a New Textile Composed of Optical Fibers
PP3.11	Revilla González	Asunción	Photocatalytic Removal of s-triazines: Evaluation of Operational Parameters
PP2.12	Tasbihi	Minoo	Titania-Containing Mesoporous Silica Powders: Structural Properties and Photocatalytic Activity Towards Toluene Degradation
PP2.13	Li Puma	Gianluca	Multi-Plate Photocatalytic Reactor For Air Purification
PP2.14	Matejka	Vlastimil	Kaolinite/TiO <sub>2</sub> Composite as a Photoactive Component in Cement Based Materials Designed for Reduction of NO
PP2.15	Floris	T.	Waste Gas Treatment: The Flexible Testing of the Photocatalytic Activity of Layered Materials in the Circulating Batch Set-Up
PP2.16	Trapalis	Christos	Photocatalytic Oxidation of NO <sub>x</sub> by Composite Hydroxyapatite/ TiO <sub>2</sub> Materials
PP2.17	Yu	Q.L.	Kinetic Study of Indoor Air Purification Using Heterogeneous Photocatalytic Oxidation
PP2.18	Meroni	Daniela	N-doped TiO <sub>2</sub> Nanoparticles. Photocatalytic Degradation of Ethanol and Acetaldehyde in the Gas Phase
PP2.19	Yamin	Yas	One Dimensional TiO <sub>2</sub> -Based Photocatalysts for Odors Removal Under UV-A, Visible and Solar Light Illumination
PP2.20	Teramura	Kentaro	Photocatalytic Aerobic Epoxidation of Alkenes under Visible Light Irradiation by an Iron(III) Porphyrin with Mg-Al Hydrocalcite Anionic Clay
PP2.21	Pintor	A.M.A.	Treatment of Cork Industry Wastewaters by Combined Solar Photo-Fenton and Biological Oxidation Processes
PP2.22	Qamar	Mohammad	A Comparative Photocatalytic Activity of Pt/WO <sub>3</sub> and Au/WO <sub>3</sub> Nanocomposites in Aqueous Suspensions
PP2.23	Adan	Cristina	UV-Assisted Photocatalytic Degradation of Ethidium Bromide with an Iron-Doped TiO <sub>2</sub> Catalyst Employing H <sub>2</sub> O <sub>2</sub> as Oxidant
PP2.24	Mansilla	Héctor	Sulfacetamide Oxidation by TiO <sub>2</sub> and ZnO Photocatalysis
PP2.25	Nasuhoglu	Deniz	Photocatalytic Removal of Two Antibiotics under UV-C Radiation: Sulfamethoxazole (SMX) and Levofloxacin (LEVO)
PP2.26	Fedorova	Tatiana	Heterogeneous Sensitizers on Basis of Metal Phthalocyanines in Phenol and Chlorophenols Photooxidation
PP2.27	Aguirre	Miriam	Decontamination of IGCC Power-Station Wastewater Effluent in a UV Pilot Plant
PP2.28	Choina	Julia	The Adsorption Contribution of Tetracycline Abatement Assisted by Photocatalysis
PP2.29	Andronic	Ludmila	Methyl Orange Degradation on Fly-Ash and Photo-Fenton Systems
PP2.30	Malato	Sixto	Application of Modified Mild Photo-Fenton as a Tertiary Treatment for Municipal Wastewater
PP2.31	Peral	Jose	Nitrogen doped TiO <sub>2</sub> for Hydrogen Production under Visible Light Irradiation
PP2.32	Bubacz	Kamila	Thermal Treatment of Nitrogen Modified TiO <sub>2</sub> and Its Photocatalytic Properties
PP2.33	Piszc	Micha?	Photoactivity of WO <sub>3</sub> -TiO <sub>2</sub> Composites under UV and Visible Light Irradiation
PP2.34	Gimenez	Jaime	Photocatalytic Treatment of Metoprolol and Propranolol
PP2.35	Eslami	Akbar	Photocatalytic Degradation of Methyl Tert-butyl Ether (MTBE) in Contaminated Water by ZnO Nanoparticles
PP2.36	Heciak	Aleksandra	Photocatalytic Decomposition of Acetic Acid on Fe – modified TiO <sub>2</sub> . Generation of Useful Hydrocarbons and Hydrogen
PP2.37	Safari	Ali Asghar	Application of Photocatalytic Process for Removal of Methyl Tert-butyl Ether (MTBE) from Highly Contaminated Water
PP2.38	Kim	Jungwon	Photocatalytic Activities of Platinized WO <sub>3</sub> for the Degradation of Aquatic Pollutants under Visible Light Irradiation
PP2.39	Coutinho	Mathilda	Application of Titanium Dioxide Sol-gel Coatings on Historic Tiles: An Approach to Prevent Biodeterioration
PP2.40	Yeo	Jiman	Photocatalytic Oxidation of As(III) on TiO <sub>2</sub> : Mechanism and the Identity of Main Oxidant
PP2.41	Rey	Ana	Photocatalytic Phenol Oxidation with Fe/AC+TiO <sub>2</sub> +H <sub>2</sub> O <sub>2</sub> Hybrid System
PP2.42	Cazoir	David	Photocatalytic Treatment of a Real Bilge Water Sample: A New Approach Considering Both Aqueous and Gas Phases
PP2.43	Carbajo	Jaime	Influence Of Different TiO <sub>2</sub> Sol-gel Synthesis on Phenol Photodegradation
PP2.44	Heikkila	Mikko	Photoelectrocatalysis Using Atomic Layer Deposited TiO <sub>2</sub>
PP2.45	Uyguner Demirel	Ceyda	Employing Spectroscopic Tools for the Assessment of Photocatalytic Degradation of Humic Acids
PP2.46	vanGrieken	Rafael	Photocatalytic Inactivation of Bacteria in a Fixed-bed Reactor
PP2.47	van Grieken	Rafael	Comparison of Different TiO <sub>2</sub> Electrodes for the Photoelectrocatalytic Inactivation of Bacteria
PP2.48	Hernandez-Ramirez	Aracely	Performance of Photo-Fenton Process for the Decolorization of a Model Mixture of Azo Dyes
PP2.49	Sannino	Diana	PhotoFenton Oxidation of Acetic Acid on Structured Catalysts
PP2.50	Helali	Sihem	Photocatalytic Degradation of Methylamine and Dimethylamine
PP2.51	Alfano	Orlando	Treatment of Wastewater from Rinsing of Herbicide Containers. Optimization of UV/H <sub>2</sub> O <sub>2</sub> Process.
PP2.52	Frontistis	Zacharias	Degradation of EDCs in Aqueous Solution by Solar-Fenton Homogeneous Photocatalysis
PP2.53	Hamdy	Mohamed	Effect of TiO <sub>2</sub> Source on the Photocatalytic Degradation of Aqueous Methyl Orange Solution
PP2.54	Baudys	Michal	Photocatalytic Degradation of AO7 on Various Powder TiO <sub>2</sub> Photocatalysts

PP2.55	Arques	Antonio	Solar Photocatalytic Processes (TiO <sub>2</sub> and Photo-Fenton) to Control Affections Caused by Zebra Mussel
PP2.56	Amat	Ana M.	Solar Photocatalysis (Photo-Fenton and Titanium Dioxide) as a Tertiary Treatment at the Outlet of a Wastewater Treatment Plant
PP2.57	Li Puma	Gianluca	Treatment of Synthetic Swine Manure Water by Ozone-Based Advanced Oxidation Processes in a Pilot-Scale Bubble Column Reactor
PP2.58	Vesela	Mária	Fungicidal and Bactericidal Activity of Printed Titanium Dioxide Layers
PP2.59	Lipenska	Michaela	Antimicrobial Effect of Printed Microstructured Ag/TiO <sub>2</sub> Layers
PP2.60	Hejda	Stanislav	Efficient Photodegradation of Gasoline Additives MTBE and ETBE with TiO <sub>2</sub> and CeO <sub>2</sub>
PP2.61	Xekoukoulotakis	Nikos	UV-A Assisted Photocatalytic Degradation of the Antibiotic Sulfamethoxazole in Aqueous TiO <sub>2</sub> Suspensions
PP2.62	Neumann-Spallart	M.	Photoelectrochemical Degradation of Selected Aromatic Molecules
PP2.63	Merka	O.	Controlling Rhodamine B Degradation over Pb <sub>3</sub> Nb <sub>4</sub> O <sub>13</sub> via pH Variation
PP2.64	Hwang	Anna	Photocatalytic Degradation of Bisphenol A with TiO <sub>2</sub> Slurry
PP2.65	Kluson	P.	Ability of Photocatalytic TiO <sub>2</sub> Surfaces to Destroy MRSA ST398 Under Controlled UV Light Conditions
PP2.66	Laera	G.	Photo-catalytic Activity of TiO <sub>2</sub> Nanofibres in Simulated and Real Municipal Effluents
PP2.67	Venieri	Danae	Disinfection of Water by Solar, UV-A and UV-C Irradiation
PP2.68	Bengtsson	Nikolas	Impact of the Nature of UV-A Lamp on the Photocatalytic Degradation of Toluene by Concrete Coated with TiO <sub>2</sub>

## LIST OF POSTER PRESENTATIONS SPEA6 - SESSION 3

### Models for Photochemistry and Photocatalysis (Wednesday 16.6.2010)

Poster No.	Author's name		Poster title
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PP3.02	Nosaka	Atsuko	Properties of Adsorbed Water Related to The Photocatalytic Activities for Rutile TiO <sub>2</sub>
PP3.03	Fateh	Razan	Highly Active Crystalline Mesoporous TiO <sub>2</sub> Films for Self-Cleaning Applications
PP3.04	Nogueira	Katia	Photo Oxidation of Phenol in Water Using a Solar and Lamp-Driven Hybrid Reactor: Investigation of Process Variables and Modelling
PP3.05	Dvoranova	Dana	On Photoinduced Reactions of Quinolones in Titanium Dioxide Suspensions (EPR Investigations)
PP3.06	Li Puma	Gianluca	Photocatalytic Oxidation of Oxalic Acid: Reaction Kinetics Analysis with Explicit Photon Absorption Effects
PP3.07	Steiner	H.	Flow-Through Cell for Online Measurement of Photocatalytic Activity and EPR Detection of Radical Species on Various Surfaces
PP3.08	Enríquez Rosado	Rosario	Solar Photocatalytic Reactor for Wastewater Disinfection: Scaling Up and Hydrodynamic Characterization
PP3.09	Kuncewicz	Joanna	A New Approach to TiO <sub>2</sub> Photosensitization
PP3.10	Alfano	Orlando	Kinetics and Modelling of Dichloroacetic Acid Oxidation Using Ozone and UV Radiation
PP3.11	Tauchert	Elias	ATR-FTIR for the Aqueous TiO <sub>2</sub> Interface
PP3.12	Faria	Joaquim	UV Emission Lines on <i>trans</i> -Resveratrol Mineralization
PP3.13	Mahne	Dunja	Performance of a Constructed Wetland Model Coupled with Photocatalytic Ozonation for Textile Waste Water Treatment
PP3.14	Marin	Maria	Mechanistic Studies on the Photooxidation of Pesticides via Hydroxyl Radical and Electron Transfer
PP3.15	Amrhein	Kai	Principles and Test Methods for the Determination of the Activity of Photocatalytic Materials and their Application to Modified Building Materials
PP3.16	Zlamal	Martin	Using of Acid Orange 7 as a Model Compound for Photocatalytic Activity Measurements
PP3.17	Krysa	Josef	Photoinduced Properties of Sol Gel TiO <sub>2</sub> Thin Films: Effect of Glass Substrate and Deposition Technique
PP3.18	Zvab	U.	Development of Methodology for the Evaluation of Antibacterial Activity of Photocatalytic (TiO <sub>2</sub> ) films
PP3.19	Arslan-Alaton	Idil	Partial Oxidation of a Commercial Textile Surfactant Formulation with the H <sub>2</sub> O <sub>2</sub> /UV-C Process: Modeling and Optimization using a Central Composite Design
PP3.20	Alfano	Orlando	Heterogeneous Photo-Fenton Reaction using an Iron Oxide as a Catalyst.
PP3.21	Alfano	Orlando	Scaling Up of a Photocatalytic Reactor for Indoor Pollution Remediation

## LIST OF POSTER PRESENTATIONS SPEA6 - SESSION 4

### Environmental Photochemistry, Photoprocesses Utilizing Solar Light (Wednesday 16.6. 2010)

Poster No.	Author's name	Poster title
PP4.01	Konuk Isik	Alternative Treatment Schemes for Water Based Paint Using Latex Binder Production Wastewaters
PP4.02	Polo-Lopez M.	Chlamydo spores of <i>Fusarium equiseti</i> Inactivation by Homogeneous Photolysis Using Solar Compound Parabolic Collector (CPC) Reactor
PP4.03	Sauta Ogorevc Jerneja	Photocatalytic Activity of Metal-Doped TiO <sub>2</sub> Thin Films under UV and Visible-Light
PP4.04	da Silva Eliana	1-Naphthaleneacetamide: Direct and Photocatalysed Degradation by Sodium Decatungstate
PP4.05	Chua Chin Sheng	Nanocomposite Films for Photocatalytic Particles
PP4.06	Imren Ceren	The Application of UV-C-Light Assisted Peroxymonosulfate Oxidation for Mineralization of Aqueous Dimethyl Phthalate Solutions
PP4.07	Kalousek Vit	The Photocatalytic Performance of Mesoporous Films of TiO <sub>2</sub> in the Gas-, Liquid- and Solid-Phase Degradation of Pollutants
PP4.08	Morozova Magdalena	Photoelectrochemical Oxidation of Carboxylic Acids on the Sol-Gel Thin TiO <sub>2</sub> Layer Electrode
PP4.09	Perez-Moya Montserrat	Effect of Hydrogen Peroxide Dosage in the Photo-Fenton Degradation of Caffeine
PP4.10	Peres José A.	Photochemical Removal of Parabens by UV, UV/H <sub>2</sub> O <sub>2</sub> , Fenton and Photo-Fenton Processes
PP4.11	Lucas Marco S.	Decolouration of Orange II Solutions by TiO <sub>2</sub> and ZnO Active Layers Screen-Printed on Ceramic Tiles Under UV Radiation
PP4.12	Krýsa Josef	Competitive Adsorption and Photodegradation of Salicylate and Oxalate on Goethite
PP4.13	Kolar Michal	Degradation of Organic Pollutants in Aquatic Environment Photoinduced by Fe(III)Cit Complex: Impact of TiO <sub>2</sub>
PP4.14	Pereira J.	Antibiotics - A Growing Problem for the Environment. Sources, Fate and Treatment by Conventional Methods and AOPs
PP4.15	Maroga Mboula Vanessa	Photocatalytic Degradation for the Improvement of the Biodegradation of Emerging Pollutants
PP4.16	Passarinho Paula	Hazardous Substances Removal from Drinking Water Sources by Photolysis and Titanium Dioxide Photocatalysis
PP4.17	Bajt Oliver	Photodegradation of Monuron in the Presence of Goethite and Carboxylic Acids
PP4.18	Jirkovsky Jaromír	Phototransformation of Ferric Citrate in Aquatic Environment
PP4.19	Aguirre Miriam	Catalytic Degradation of Phenolic Pollutants by a Ferrioxalate-Assisted Solar Photo-Fenton Process
PP4.20	Mantzavinos Dionissios	Solar Photo-Fenton Treatment of Textile Dyehouse Effluents
PP4.21	Aquera A.	Evaluation of the Formation of Chlorinated Intermediates During Photo-Fenton Treatment of Saline Wastewaters
PP4.22	Lianos Panagiotis	Photofuelcell, an Apparatus that Consumes Organic Wastes to Produce Electricity
PP4.23	Mico Maria M.	Solar Photo-Fenton Applied to Pesticide Removal on Advanced Greenhouses Waters
PP4.24	Tipayarom Danutawat	Development of Fe V Ag Ce S Codoped TiO <sub>2</sub> Photocatalyst for Alachlor Degradation under Visible Light
PP4.25	Kontos Athanasios	Photoinduced Superhydrophilicity on Nanostructured N-F Co-Doped Titania Films
PP4.26	Nogueira K.R.B.	Solar-Irradiated Treatment of Water Pollutants by the TiO <sub>2</sub> -H <sub>2</sub> O <sub>2</sub> /UV and TiO <sub>2</sub> -S <sub>2</sub> O <sub>8</sub> <sup>2-</sup> /UV Processes
PP4.27	Daskalaki Vasileia	Photodegradation of Bisphenol-A (BPA) with TiO <sub>2</sub> Immobilized on Ti
PP4.28	Kandiel Tarek	Photonic Efficiencies and Mechanism of Photocatalytic Molecular Hydrogen Production over Platinized Titanium Dioxide from Aqueous Methanol Solutions
PP4.29	Zapata Ana	Solar Photo-Fenton Degradation of a Mixture Containing Partially Aqueous Soluble Pesticides. Evaluation of Ecotoxicity and Biodegradability.
PP4.30	Prieto Lucía	Hydrogen Peroxide Automatic Control Based on Dissolved Oxygen Concentration During Solar Photo-Fenton Process