

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 ₄ N] ₄ W ₁₀ O ₃₂ 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 ₂ 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 ₂ Layer Obtained by SPD Technique
PP1.07	Murcia Lopez	Sebastian	Sunlight Highly Photoactive Bi ₂ WO ₆ -TiO ₂ Heterostructures for Rhodamine B Degradation
PP1.08	Azenha	M.Emília	Preparation and Photoactivity of AC/TiO ₂ Nanoparticles synthesized by Sol-Gel Method
PP1.09	Carcel	Radu-Adrian	Thin Films of TiO ₂ and WO ₃ for Dyes Photocatalysis
PP1.10	Bizarro	Monserrat	Influence of the Particle Geometry on the Photocatalytic Activity of ZnO:Al Films Under Sunlight Irradiation
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PP1.12	Laokiat	Laksana	Transition Metals doped TiO ₂ Photocatalysts for Visible Light Gas-phase BTEX Degradation
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PP1.18	AlArfaj	Esam	Optical, Structural and Morphological Characterization of TiO ₂ Nanotubes Coated with Thin Films TiO ₂ :Ag
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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 RuQ ₂ -TiO ₂ Nanocomposites
PP1.23	Bloh	Jonathan	Preparation, Characterization and Photocatalytic Activity of ZnO-TiO ₂ Composite Materials
PP1.24	Houda	Slimen	Elaboration of Stable Anatase TiO ₂ 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 ₂ / Polymer Composite Films for Photooxidation of Ethanol
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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
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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 ₂ Thin Films for Photocatalytic Applications
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PP1.53	Pausova	Sarka	Photodegradation of Organic Dye Molecules on LDH/TiO ₂ Nanocomposites
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PP1.57	Li Puma	Gianluca	The Effect of Carbon Contents on Carbon Nanotubes - Titanium Dioxide Nanocomposites (CNTs/TiO ₂) and its Photo-Electro-Chemical Behaviour
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PP1.63	Cerna	Marcela	Physical and Chemical Properties of TiO ₂ Printed Layers
PP1.64	Kusiak	Ewelina	Adsorption Abilities of Carbon-Modified TiO ₂ Photocatalysts
PP1.65	Kozjek Skofic	Irena	Thermal Analysis and XRD Study of TiO ₂ 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 ₂ 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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PP2.07	Alfano Orlando	Inactivation of Spores of <i>Bacillus subtilis</i> on UV-irradiated TiO ₂ thin films
PP2.08	Hequet Valérie	Kinetic Investigations and Reaction Intermediates During Photocatalytic Degradation of Decane at ppb Levels
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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 ₂ 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 _x by Composite Hydroxyapatite/ TiO ₂ Materials
PP2.17	Yu Q.L.	Kinetic Study of Indoor Air Purification Using Heterogeneous Photocatalytic Oxidation
PP2.18	Meroni Daniela	N-doped TiO ₂ Nanoparticles. Photocatalytic Degradation of Ethanol and Acetaldehyde in the Gas Phase
PP2.19	Yamin Yas	One Dimensional TiO ₂ -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
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PP2.22	Qamar Mohammad	A Comparative Photocatalytic Activity of Pt/WO ₃ and Au/WO ₃ Nanocomposites in Aqueous Suspensions
PP2.23	Adan Cristina	UV-Assisted Photocatalytic Degradation of Ethidium Bromide with an Iron-Doped TiO ₂ Catalyst Employing H ₂ O ₂ as Oxidant
PP2.24	Mansilla Héctor	Sulfacetamide Oxidation by TiO ₂ and ZnO Photocatalysis
PP2.25	Nasuhoglu Deniz	Photocatalytic Removal of Two Antibiotics under UV-C Radiation: Sulfamethoxazole (SMX) and Levofloxacin (LEVO)
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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 ₃ 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 ₂ : Mechanism and the Identity of Main Oxidant
PP2.41	Rey Ana	Photocatalytic Phenol Oxidation with Fe/AC+TiO ₂ +H ₂ O ₂ 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 ₂ Sol-gel Synthesis on Phenol Photodegradation
PP2.44	Heikkila Mikko	Photoelectrocatalysis Using Atomic Layer Deposited TiO ₂
PP2.45	Uyguner Demirel Ceyda	Employing Spectroscopic Tools for the Assessment of Photocatalytic Degradation of Humic Acids
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PP2.49	Sannino Diana	PhotoFenton Oxidation of Acetic Acid on Structured Catalysts
PP2.50	Helali Sihem	Photocatalytic Degradation of Methylamine and Dimethylamine
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PP2.52	Frontistis Zacharias	Degradation of EDCs in Aqueous Solution by Solar-Fenton Homogeneous Photocatalysis
PP2.53	Hamdy Mohamed	Effect of TiO ₂ Source on the Photocatalytic Degradation of Aqueous Methyl Orange Solution
PP2.54	Baudys Michal	Photocatalytic Degradation of AO7 on Various Powder TiO ₂ Photocatalysts

PP2.55	Arques	Antonio	Solar Photocatalytic Processes (TiO ₂ 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 ₂ Layers
PP2.60	Hejda	Stanislav	Efficient Photodegradation of Gasoline Additives MTBE and ETBE with TiO ₂ and CeO ₂
PP2.61	Xekoukoulotakis	Nikos	UV-A Assisted Photocatalytic Degradation of the Antibiotic Sulfamethoxazole in Aqueous TiO ₂ Suspensions
PP2.62	Neumann-Spallart	M.	Photoelectrochemical Degradation of Selected Aromatic Molecules
PP2.63	Merka	O.	Controlling Rhodamine B Degradation over Pb ₃ Nb ₄ O ₁₃ via pH Variation
PP2.64	Hwang	Anna	Photocatalytic Degradation of Bisphenol A with TiO ₂ Slurry
PP2.65	Kluson	P.	Ability of Photocatalytic TiO ₂ Surfaces to Destroy MRSA ST398 Under Controlled UV Light Conditions
PP2.66	Laera	G.	Photo-catalytic Activity of TiO ₂ 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 ₂

LIST OF POSTER PRESENTATIONS SPEA6 - SESSION 3

Models for Photochemistry and Photocatalysis (Wednesday 16.6.2010)

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PP3.02	Nosaka	Atsuko	Properties of Adsorbed Water Related to The Photocatalytic Activities for Rutile TiO ₂
PP3.03	Fateh	Razan	Highly Active Crystalline Mesoporous TiO ₂ 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 ₂ 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 ₂ 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 ₂ 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 ₂) films
PP3.19	Arslan-Alaton	Idil	Partial Oxidation of a Commercial Textile Surfactant Formulation with the H ₂ O ₂ /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

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

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PP4.02	Polo-Lopez M.	Chlamydo spores of Fusarium equiseti Inactivation by Homogeneous Photolysis Using Solar Compound Parabolic Collector (CPC) Reactor
PP4.03	Sauta Ogorevc Jerneja	Photocatalytic Activity of Metal-Doped TiO ₂ 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 ₂ 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 ₂ 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 ₂ O ₂ , Fenton and Photo-Fenton Processes
PP4.11	Lucas Marco S.	Decolouration of Orange II Solutions by TiO ₂ 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 ₂
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 ₂ 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 ₂ -H ₂ O ₂ /UV and TiO ₂ -S ₂ O ₈ ²⁻ /UV Processes
PP4.27	Daskalaki Vasileia	Photodegradation of Bisphenol-A (BPA) with TiO ₂ 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