

## 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
PP1.45	Lopez-Munoz	Maria-Jose	Synthesis of TiO <sub>2</sub> by a Modified Sol-Gel Process: Study of Parameters to Control the Phase Composition
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