

## SATF2018 Poster Session A

September 19, 2018 Wednesday

#5	Alexander Samoylov	Kinetics of Deposition and Microstructure of PbTe Films Prepared on Si and BaF <sub>2</sub> Substrates by Modified HWE Technique
#6	Asghar Ali	Co-doped ZnO Thin Film Nanocomposites as Model Nanocatalysts
#13	Nuran Asmafiliz	Syntheses and Langmuir-Blodgett Thin Films of the Partly and Fully-Substituted Ferrocenyl Pendant-Armed Spirocyclotriphosphazenes
#18	Boubekeur Birouk	Thin Films Electrical Conductivity Determination Using Ellipsometry
#19	Dikra Bouras	The effect of Cu:ZnO and Mg:ZnO thin films deposit on porous ceramic for the structural, morphological and photocatalytic properties
#22	El Amrani Abdelkader	SiN/SiO <sub>2</sub> Passivation Stack Of N-Type Silicon Surface: Comparison Between RTO And NAOS
#23	Monika Stupavska	Hydrophilic modification of surfaces via plasma polymerization
#25	Nabila Aliouane	Synthesis, characterization and application of electrochemical corrosion of phosphonate (ETPA)
#26	Hernán Darío Mejía Vasquez	Microstructural, mechanical and tribological properties of TiAlN- (Ag,Cu) nanocomposite coatings deposited by DC magnetron sputtering for medical applications
#27	Nacera Rachedi	Micro-supercapacitors from carbon films prepared onto nanowires silicone substrate
#29	Victor Aurel Andrei	Microstructure and electrochemical behaviour of alumina ceramic films developed on stainless steels used in the nuclear industry by electrolytic plasma processing
#31	Hadj Yahia Seba	Analysis by ellipsometry of porous silicon and AC impedance spectroscopic investigation of a-Si:H deposited on multilayered porous silicon
#192	Jose Enrique Martinez Medina	Development of NiO <sub>x</sub> and WO <sub>3</sub> Nanofilm Layers and Polymer Electrolyte for Electrochromic Devices
#46	Ivan Ohlidal	Three-layer model in optical characterization of randomly rough silicon surfaces covered with native oxide layers
#47	Jiri Vohanka	Optical characterization of non-stoichiometric silicon nitride films exhibiting combination of several defects
#55	Aïdaoui Elkhansa	Electrodeposition and characterization of Ni-Cr composite coatings
#59	Dmitry Bonegardt	Preparation of iridium films using a new precursor [Ir(cod)Cp*] by MOCVD method
#60	Fayçal Bensouici	Structural, morphological and photocatalytic properties of Fe doped TiO <sub>2</sub> thin layers
#62	Hakem Amina	Growth Lithium Tetraborate Li <sub>2</sub> B <sub>4</sub> O <sub>7</sub> by Czochralski Method Study of Non-Linear Properties by Fourth Harmonic Generation
#63	Cheraga Hocine	Improved absorbance the mixed V <sub>2</sub> O <sub>5</sub> / F <sub>2</sub> O <sub>3</sub> / SiP structure
#65	Ahmet Ekicibil	YIG Film Grown on Quartz by Spin-Coating
#70	Aseel Hassan	Sol-gel Processed Niobium-doped Titanium Dioxide as Alternative to Indium Tin Oxide in Transparent Conductive Coatings

#71	Farouk Mebtouche	Ab initio study of thermal properties of Zr-Fe system
#73	Bachir Messaid	Effect of deposition temperature and crystalline system of substrate on the characteristics of Titanium Nitride layer deposited by active Radio-Frequency (RF) magnetron sputtering
#86	Jiwen Zhao	The Growth and Interface Analysis of Diamond on GaN
#87	Shuai Gao	Room Temperature Deposition of Homogeneous, Highly Transparent and Conductive In <sub>2</sub> O <sub>3</sub> Films by Reactive High Power impulse Magnetron Sputtering
#88	Zhoucheng Wang	Magnetron sputtered TiN thin films toward enhanced performance supercapacitor electrodes
#90	Gang Gao	A new p-type transparent Se doped La <sub>2</sub> O <sub>3</sub> semiconductor film deposited by a novel two-step rf magnetron sputtering and selenide process
#93	Petronela Garoi	Optical constants and structural properties of nanostructures with low dimensions
#94	Dwight Acosta	A comparative study of physical properties of ZnO thin films deposited by chemical spray using different amounts of ethanol and methanol in the starting solution
#95	Hong-Liang Lu	Toward Controlling the Composition and Properties of SiO <sub>x</sub> Films by Atomic Layer Deposition
#97	Lei Yang	Influences of Gadolinium Doping on Microstructure and Optical Properties of Cadmium Oxide Thin Films by Reactive High Power Impulse Magnetron Sputtering
#99	Fangjuan Geng	High Mobility and Transmittance of p-Type Copper Iodide Thin Film Fabricated via Solid Iodination Method Layer by Layer at Room-Temperature
#100	Mounira Maiza	Characterization of PLA/PCL films and plasticized PLA/PCL films with plasticizers vegetable (TEC and PEG3)
#101	Dongchao Ji	Conductive Nanoparticle-Assisted Silver Nanowire Transparent Conductive Film Material
#104	Hamam Abderrazak	Synthesis and characterization of polypyrrole coated paper substrate and decorated with silver nanoparticles. Application in the electroreduction of nitrate.
#105	Serran Hacene	Comparative Studies Between The Effect Of H <sub>2</sub> O and Methanol On The Growth Of Copper Oxide (CuO) Thin Films Deposited By Spray Pyrolysis
#106	Bouhank Antar	Study of Thin films of Nickel Oxide (NiO) Deposited by the Pyrolysis Spray Method
#107	Liangge Xu	Atomic Layer Deposition and Infrared Transparency Properties of Sc <sub>2</sub> O <sub>3</sub> Thin Films
#108	Fei Xia	Study the relationship between the damage degree of ITO transparent conducting film and its electromagnetic shielding by Computer Simulation Technology(CST)software
#170-1	Stefan-Luci Toma	Influence of the Physical Properties of SiN <sub>x</sub> Deposited Layer on PEEK Support on the Cellular Growth Capacity
#185	Bengi Kutlu	Low Temperature Plasma Assisted Regenerable Antimicrobial Structures on Textile Materials
#189	Anna Szerling	Selective etching of LT-GaAs in processing of THz AlGaAs/GaAs quantum cascade lasers
#83	Bouaouina Boudjema	Structural and Mechanical Properties of Mo <sub>2</sub> N/CrN Multilayers Deposited at 600°C by DC Magnetron Sputtering
#1	Ki-Seok An	Roll-to-Roll Production of Layer-Controlled Molybdenum Disulfide: A Platform for 2D Semiconductor-Based Industrial Applications

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Yasar Sert

The Effect of Deposition Parameters on the Wear and Scratch Properties of TiAlZrN Coatings