

Science and Applications of Thin Films, Conference & Exhibition

POSTER SESSION B (3.30 pm to 5.30 pm, September 17, 2014)

PB001	Heavy Metal Uptake Studies on Mg-Al and Zn-Al Layered Double Hydroxides Thin Films Obtained by Laser Techniques A. Vlad, R. Birjega, A. Matei, M. Dumitru, M. Filipescu, C. Luculescu, V. Ion, M. Dinescu, R. Zavoianu, O.D. Pavel
PB002	Electropolymerized Metallophthalocyanine Thin Films Duygu Akyüz, Ali Rıza ÖZKAYA and Atif KOCA
PB003	Layer by Layer Growth of Copper Silver Film Using Underpotential Deposition by an Electrochemical Process Jau-Shiung Fang, Y.S. Liu and T.S. Chin
PB004	Corrosion and Microhardness Behavior of Electrodeposited Ni-Mo Alloy Coatings in the Presence of Organic Inhibitor BEN TEMAM Hachemi and E. GUETTAF TEMAM
PB005	Influence of Heat Treatment on the Structural Characteristics of Electroless Ni-B Film Ulaş Matik, Handan Turan Matik and Ramazan Çitak
PB006	Polyaniline on Porous Silicon for as Sensing Maha AYAT, Luca Boarino, Nouredine Gabouze, Mohamed Kechouane and Nawel Chiboub
PB007	Preparation and Tribological Properties of Nano-MoS₂-containing Composite Coating by Plasma Electrolytic Oxidation on Ti6Al4V Alloy Yongkun Qin, Dangsheng Xiong and Jianliang Li
PB008	Electrocrystallization of Copper Indium Diselenide Semiconductor for Solar Cell Applications Serkan Gürbüz, Sema Memiş, A. Sezai Saraç and Melek Erol
PB009	The Effect of Bias Voltage on the Electrochemical Corrosion Behaviors of TiO₂ Coating Deposited on Stainless Steel by Rf Magnetron Sputtering Nouredine Madaoui, N. Saoula, K. Kheyar, S. Belhousse and C. Yaddaden
PB010	Pulse-controlled Surface Roughness, Microstructure and Magnetisation Reversal in Electrodeposited Nanocrystalline Nickel Films Farzad Nasirpour, Mohammad Reza Sanaeian, Alexander S Samardak, E.V. Sukovatitsina, Alexey V. Ognev, L.A. Chebotkevich
PB011	Optical Measurement of Mechanical Stress in Al₂O₃ Thin Films Miloslav Ohlidal, Ivan Ohlidal, Pavel Nadasky and Jakub Klus
PB012	Determination of Optical Parameters of Thin Films Non-Uniform in Thickness Ivan Ohlidal, David Necas, Vladimir Cudek and Miloslav Ohlidal

PB013	Characterization of Turkey-gordes Zeolite Minerals and Utilization Areas Öykü Bilgin
PB014	60W Nanosecond Pulsed All-Fiber Laser Amplifier for Bulk and Thin Film Material Modification Yigit Ozan Aydin and Alpan Bek
PB015	Simulation for GaAs MESFET Devices Using Mobility Models Chahrazed Kaddour and Cherifa Azizi
PB016	Prussian Blue Thin Films Produced by Chemical Bath Deposition Sani DEMİRİ
PB017	Improvement of Sensing Properties of WO₃ Thin Films by Modifying of post-annealing Conditions Kaykhosrow KHOJIER
PB018	Analysis on Aging Mechanism of Isothermal Aging and Thermal Fatigue of Thermal Barrier Coating Yongseok Kim, Jeong-Min Lee, Hyunwoo Song, Sung-Hyuk Kim, JaeMean Koo, Chang-Sung Seok, SangHun Kim and SungHo Yang
PB019	Comparison and Evaluation Between Used Gas Turbine Sample and Aged Thermal Fatigue Specimen Through SEM Analysis Sung-Hyuk Kim, Yongseok Kim, Jae-Mean Koo and Chang-Sung Seok
PB020	Prediction of the Thermo-Mechanical Fatigue Life for IN738LC Using the Strain Energy Method Jeong-min Lee, Dongkeun Lee, Yongseok Kim, Jae-mean Koo and Chang-sung Seok
PB021	Thermal Fatigue Life Prediction of Thermal Barrier Coating Through Bond Strength Hyunwoo Song, Yongseok Kim, Jae-Mean Koo and Chang-Sung Seok
PB022	The Use of Magnetron Sputtering For Conductive Coatings on Textile Surfaces Dilek Çukul and M.Mete Öztürk
PB023	Self-propagating High Temperature Synthesis and Microstructure of Al₂O₃ Coatings on Plane Substrate Gang Wang
PB024	Effect of Ti and C on Microstructure and Mechanical Properties of Co-Based Metallic Glass Coatings on Aluminum Surface Ziya Ozgur YAZICI, Nuray SEYIS, Aytekin HITIT and Suleyman AKPINAR
PB025	Characterization of Electrodeposited Ni Composite Coatings with Embedded SiC, Al₂O₃ Particles BEN TEMAM HACHEMI, E. GUETTA TEMAM and S. RAHMANE
PB026	A Comparison Study of Photocatalytic Effects of Pure K₂La₂Ti₃O₁₀ with Sm and Nd Doped K₂La₂Ti₃O₁₀ Films Güneş Kurşun, Özlem Canpolat, Fatma Bakal, Erdal Celik and Ayşegül Pala
PB027	Roughness Steel Substrates Effect on Galvanization Coatings

	Younes BENARIOUA
PB028	The Growth of Self-Catalyzed GaAs Nanowires on (111) Si Substrates by Molecular Beam Epitaxy Burcu Arpapay and Uğur Serincan
PB029	The Effect of Time on ZnO Nanorods Grown Hydrothermal Method Zeynep Turgut, Sibel Morkoç Karadeniz Çağrı Çırak, Burcu Bozkurt Çırak, Tuba Kılınç, Mehmet Ertuğrul and Ali Ercan Ekinci
PB030	Effect of Annealing Temperature on Structural and Luminescence Properties of EU₃₊-doped Y₂O₃ Red Phosphor Thin Films by Pulse Laser Deposition Method Abdub Ali, FB Dejene and Hendrik Swart
PB031	Ethylene Glycol, Methanol and Ethanol Electro-Oxidation at Cu₂O Thin Film Tayakout BEZGHICHE, T.Bezghiche-Imloul, H. Hammache-Makhloufi, N.Ait Ahmed and L. Makhloufi
PB032	pH Sensing in Aqueous Solutions Using a Nanostructured MnO₂ Thin Film Nabila CHERCHOUR, Bouzid Messaoudi, Claude Deslouis and Alain Pailleret
PB033	Multifunctional Composite Coatings Formed by Plasma Electrolytic Oxidation Dmitry Mashtalyar, Sergey Sinebryukhov, Igor Imshinetskiy, Konstantine Nadaraia and Sergey Gnedenkov
PB034	Synthesis, Characterization and Electrochemical Performance of Manganese Dioxide /Carbon Nanotubes Composite S. Kendouli, N. Sobti and S. Achour
PB035	Correlation Between Sheet Resistance and Crystalline Texture in Thin Copper Films Henry Fernández, Marcos Flores and Rodrigo Espinoza
PB036	Porous Palladium Thin Films Fabricated by Hydrothermal Treatment in Aqueous Citric Acid Solution Yohei Tamura, Takashi Harumoto and Takashi Ishiguro
PB037	Development of Magnetism in Iron Thin Film Grown on Patterned Surface Daniel Merkel
PB038	Elaboration and Characterization of Polystyrene Doped SnO₂ Thin Films Fahima Boudjada, Abdelghani Djebli, Mouna Hallel, Boubaker Boudine, Hocine Chorfi and Miloud Sebaï
PB039	Deposition of Nanocomposite Thin Films in Low-Pressure Microwave Plasma Effect of Nanoparticles Encapsulated in Amorphous Carbon Films Kihel Mouloud, R. Clergereaux and S. Sahli
PB040	Optical Nitric Oxide Sensor Properties of Phthalocyanine Based Dyes in Their Thin Film Forms Ozlem Oter, Akif Cihan Aydın, Kadriye Ertekin and Erdal Celik
PB041	Improving the efficiency of dye-sensitized solar cells (DSSC) using metal transition doped TiO₂ as <i>semiconductor</i> Lolwa Samet, Basma Yacoubi, Radhouane Chtourou
PB042	Fabrication and Characterization of IZO Thin Films Prepared by The Colloidal Method

	M. Medjaldi O. Touil, M. Zaabat, B. Boudine, O. Halimi and M. Sebais
PB043	Production and Application of Al₂O₃ Dielectric Layer on Silicon Wafer Using Magnetron Sputtering Method Umit Evren, Caglar Ozer, Omer Mermer, Mustafa Toparlı, L. Zumre Alican Alıcıkus, Fadime Akman and Erdal Celik
PB044	Effect of Crystallographic Texture of Aluminum Substrate on Optical Properties of Anodized Films Nahid Sarrami and Maryam Bagheri
PB045	Improved Crystallinity and Enhanced Photoluminescent Properties of Laser-ablated Eu³⁺ Doped YVO₄ Thin Films Produced by Optimizing the Deposition Time. Foka Kewele, B.F Dejene and H.C Swart
PB046	Super Intensity Laser Field Interacted with Atomic System and High Harmonic Spectrum Obtained from Characteristics of High Energy Dilan Alp
PB047	Properties of Piezoelectric ZnO Thin Films Grown by Pulsed Laser Deposition onto Glass and Silicon Substrates Adel Taabouche, Abderrahmane Bouabellou, Fouad Kermiche, Faouzi Hanini and Yacine Bouachiba
PB048	Theoretical and Experimental Evaluation of Magnetoelectric Effect in Pb(Zr,Ti)O₃/CoFe₂O₄ Thin Film Composite on SrTiO₃ Substrate Kazem Tahmasebi
PB049	VOC Sensitivity Characterization of a Novel Polymer Spin Coated Thin Film Murat Evyapan, M. Evyapan, W. S. Hanoosh, A. K. Hassan
PB050	An Investigation of 1,7- dibromo- n,n'-(bicyclohexyl)- 3,4:9,10- Perylendiimide Langmuir-blodgett Film for Organic Vapor Sensing Using Surface Plasmon Resonance Technique Yaser Açıkbash, Rifat Çapan, Matem Erdoğan, Funda Yükrük,
PB051	Vibrational and Electrical Analysis of Molecular Based Electronics Fredy Mesa, B.A Paez-Sierra, F. Mesa and A. Dussan
PB052	Polypyrrole Coated Cellulosic Substrate Modified by Copper Oxide Nanoparticles as Electrode for Nitrate Electroreduction Makhloufi laid, A. Hamam, D. Oukil and A. Dib
PB053	Electrochemical Behaviour of Complexes of Copper(II) with Polyphosphonate Acid Aliouane Nabila, Houa Hammache and Gilles Bouet
PB054	Oxygen Sensing Properties of Nano-silver Doped Tetraphenylporphyrine Derivatives in Refinery Related Workplace Environments Zeynep Ay, Kadriye Ertekin , Cevher Gündoğdu Hızlıateş , Yavuz Ergün and Erdal Celik
PB055	Electrical Characteristic Parameters of an Organic-inorganic Device Based on Quinoline Yellow Dye A. Ugur, A. Gencer Imer and Y.S. Ocak

PB056	Color Tunability in Multilayer OLED Based on DCM Doped in a PVK Matrix Petia Petrova, Petar Ivanov and Reni Tomova
PB057	Structural and Optical Study of Co Doped ZnO Thin Films Khantoul Ahmed Reda
PB058	Synthesis and Characterization of Polyaniline - Silicon Carbide Prepared by Electrochemical Method L.Talbi, M. Berouaken, H.Menari, A. Keffous, N. Gabouze, M. Trari
PB059	A Comparison Study of RF Plasma Polymerization Of Aniline Derivatives Melek Kiristi, Aysegul Uygun Oksuz and Lutfi Oksuz
PB060	Preparation and Electrochemical Characterization of Thin Film Polyvinyl Chloride Baesd/Chitosan-Co-Iron Nickel Oxide Nanoparticles Composite Heterogeneous Cation Exchange Membrane Sayed Mohsen Hosseini, E. Salehi, A. R. Hamidi, S. Ansari and S. S. Madaeni
PB061	Effect of Post-heating Temperature on Structural and Optical Properties of Sol-gel Derived ZnO Thin Films Sinem Aydemir and Ferhunda Atay
PB062	Analysis of Interface Charge Densities for High-k Dielectric Material Based Metal-Oxide-Semiconductor Devices N. P. Maity, R. Maity, K. Thapa and S. Baishya
PB063	Effect of Seed Layer Thickness on the Perpendicular Magnetic Anisotropy and Spin-orbit-torque Driven Switching in Hf/CoFeB/MgO Structure Mustafa Akyol, Guoqiang Yu, Wanjun Jiang, Juan G Alzate, Pedram Khalili Amiri, Ahmet Ekicibil and Kang L. Wang
PB064	Surface Electronic Structure of Semimetal/metal Bi Films on GaAs (110) Study by UV Photoemission Spectroscopy Mahmoud Abusamak
PB065	Effect of the Metal Content on Structure and Magnetism of the Cobalt-fullerene Mixed Films Vasily Lavrentiev
PB066	Analytical Study on electron-beam Processing for Nanoscale Films Y. H. Tsai, C. Y. Ho and B. C. Chen
PB067	Magnetic Anisotropy in Bicomponent Self-assembled Ni-Pd Nanowires Studied by Magnetic Resonance Spectroscopy Konrad Kierczynski, V. Bayev, J.A. Fedotova, A. Maximenko, E. Streltsov, M. Malashchonak, M. Milosavljević, P. Zukowski, T.N. Koltunowicz and K. Kierczynski
PB068	Dielectric Properties and Model of the Impedance Formation of $(\text{Co}_{45}\text{Fe}_{45}\text{Zr}_{10})_x(\text{PZT})_{(100-x)}$ Nanocomposites Produced by Means of Ion Sputtering P. Żukowski, T.N. Koltunowicz, O. Boiko, J.A. Fedotova, A.K. Fedotov and A. Larkin

PB069	Resonance Properties at Alternating Current of Nanocomposite (CoFeZr)_x(CaF₂)_(100-x) Produced by Ion Beam Sputtering T.N. Koftunowicz, P. Żukowski, V. Bondariev, J.A. Fedotova, A.K. Fedotov and A. Larkin
PB070	Exchange Bias Effect in Mn-rich YMnO₃ Thin Films Manish Kumar, R. J. Choudhary and D. M. Phase
PB071	Effect of Doping on ZnO Thin Films Prepared by Spray Pyrolysis Technique Mohamed Mahtali, Afifa Derrouiche, Kalida Benzouai, Zahia Daas and Abderahmane Boutelala
PB072	Fabrication of Hot Electron Bolometer from High Temperature Superconductor Bi2212 T. Semerci, M. Kurt, Y. Demirhan, H. Koseoglu, H. Alaboz, N. Miyakawa, H. B. Wang, L. Ozyuzer
PB073	Effect of Different Areas of Superconducting Bi₂Sr₂CaCu₂O_{8+δ} Mesas for Terahertz Emission Sena Gülen, Hilal Sağlam, Yasemin Demirhan, Kazuo Kadowaki and Lütfi Özyüzer
PB074	Effect of Oxidation Thickness on Tensile Deformation Behavior of Al Nanowire: A Parallel Molecular Dynamics Study Using the Variable Charge Method Gurcan Aral
PB075	Inhomogeneous Photocatalytic System on TiO₂ in Contact with Aqueous Sodium Carbonate Solution Mitsutake Oshikiri
PB076	A Sensitive Nonenzymatic H₂O₂ Sensor Based on Silicon Nanowires Chafiaa Yaddaden
PB077	Influence of Nano-Scale Particles and Nanocluster on the Wetting Behavior and Corrosion Resistance Ability of Metal in Humid Air Nan Wang and Dangsheng Xiong
PB078	Influence of Process Parameters on the Properties of TiO₂ Films Deposited by A D.C. Magnetron Sputtering System on Glass Support Bogdan Toma , Raluca Baciuc , Stefan Lucian Toma and Lucian Eva
PB079	The Influence of the Surface on the Thermoelectric Properties of SnTe:Bi Thin Films Lyubomyr Nykyruy, Rasit Ahiska, Ivan Chavjak and Nataliia Freik
PB080	Modeling and Simulation of Tunneling Current using High-k Material Al₂O₃ Based MOS Devices N. P. Maity, R. Maity and S. Baishya
PB081	Detailed Morphological Analysis of Vanadium Pentoxide Thin Films Meltem Dönmez, Buse Cömert, Nihan Akın, Mehmet Çakmak and Süleyman Özçelik
PB082	A Comparison Study of Green Luminescence Quenching and UV Emission Enhancing in Oxygen Deficit and Annealed Nano Crystalline ZnO Thin Films

	Taj Khan
PB083	Influence of Metal Impurities and Surface Temperature to the Formation of Thin (Me)-aC:H Film Zivile Rutkuniene and Lina Vigrcaite
PB084	Characterization of VO₂ Films grown by Magnetron Sputtering for Field Effect Transistor Applications Hurriyet Yuce, Sena Gulen, Mehtap Koklu, Gulnur Aygun, Lutfi Ozyuzer
PB085	ZnO Flower-Like Morphology Prepared by Electrodeposition on Silicium Substrate Hammache Houa, N. Ait Ahmed, H. Hammache, S.Sam , A. Keffous and N.Gabouze
PB086	Composition Effect on the Optical Parameters of Ge-Se-Te Thin Films Mansour Mohamed
PB087	Hybrid Orientation Structure Fabrication on SOI Substrates Using Orientation Selective Epitaxy Tomoyasu Inoue and Shigenari Shida
PB088	Epitaxial Calcite Growth on Highly Ordered Gold, Silver and Copper Surfaces Without Use Templates Hassiba Teghidet, Lila Chaal, Suzanne Joiret and Boualem Saidani
PB089	Growth and Characterization of ZnO Nanostructures with Different Morphologies by Hydrothermal Technique Sule Erten Ela
PB090	Properties of Al Doped ZnO Thin Films Grown by Pulsed Laser Deposition F. Kermiche, A. Bouabellou, A. Taabouche, F. Hanini and Y. Bouachiba
PB091	Formation and Thermal Stability of Ternary Silicide (Co_xNi_{1-x})Si₂ Thin Films Sedrati Charafeddine, Abderrahmane Bouabellou and Achour Derafa,Laboratoire
PB092	Characterization of Thin CeO₂ Films Electrochemically Deposited on Platinum Firas Faisal, A. Toghian, I. Khalakan, V. Matolin and J.Libuda
PB093	Electrochemical Synthesis and Electrochromic Device Applications of PEDOT/WO₃ Composites in Different Ionic Liquids Çiğdem Dülgerbaki and Aysegul Uygun Oksuz
PB094	Generating New Magnetic Properties in Organic-Inorganic Hybrid Langmuir-Blodgett Films Jiquan Wu, Régis Y. N. Gengler, Jacob Baas, Naureen Akhtar, Thomas T.M. Palstra and Petra Rudolf
PB095	The Surface Chemistry of Atomically Thin Graphene Film Grown onto Large Area Copper Substrate Using Low Pressure ICP-CVD Mehmet Hancer, Sami Pekdemir and Mehmet Hancer
PB096	AlN Thin Films Deposition on Glass Substrate by Radio Frequency Magnetron Sputtering Hasan Satılmış, Mehmet Özkan, Şükrü Taktak, Ö.Faruk Emrulloğlu, Suat Pat, Soner Özen
PB097	Optical and structural characteristics of (Y-Gd)₃ Al₅O₁₂:Ce³⁺ thin films fabricated by pulsed laser deposition in different gas atmospheres.

	ALI Wako, Fancis B. Dejene and Hendrik C. Swart
PB098	Effect Of Tungsten Addition On Mo-Si Silicides Formation A. Derafa, M. C. Record and D. Mangelinck
PB099	Bioactive Calcium-Phosphate Coatings on the Surface of Titanium Implants Vladimir Egorkin, A.V. Puz, S.L. Sinebryukhov and S.V. Gnedenkov
PB100	Investigation of Cellular Viability of Graphene Reinforced Chitosan Thin Films in terms of Electrical Conductivity Cigdem Serdengecti, İbrahim Sen, Mert DumaN, Aylin Sendemir Ürkmez, Yoldaş Seki and Omer Mermer
PB101	OPTICAL, SURFACE MORPHOLOGICAL, AND ANTIBACTERIAL PROPERTIES OF NANOSTRUCTURED TiO₂:M (M=Fe, Ce, Ag) THIN FILMS Farhad E.Ghodsı, H. Dadvar and G. Khayati
PB102	Optimal Deposition Parameters of Silicon Nitride for Solar Cells EL AMRANI Abdelkader, A. Bekhtari, A. El Kechai, H. Menari, L. Mahiou and M. Maoudj
PB103	Thermally Evaporated CuIn₇S₁₁ Thin Films for Photovoltaic Applications: Structural, Optical and Electrical Analysis Naoufel khemiri, N. Khemiri and M. Kanzari
PB104	Optical and Structural Study of In₂S₃ Thin Films Growth by Co-Evaporation and CBD on Cu₃BiS₃ Fredy Mesa, William Chamorro, Mikel Hurtado and Gerardo Gordillo
PB105	Modeling of plasma expansion during pulsed electron beam ablation: Case of graphite for thin film deposition Muddassir Ali and Redhouane Henda
PB106	The Structural Characterization of CZTS Thin Films and Band Alignment at CdS/CZTS Interface Ayten CANTAŞ, Sebnem Yazici, Fulya Turkoglu, Gulsah Akca, Gulnur Aygun, Lutfi Ozyuzer
PB107	Copper Oxide Thin Films Deposition by Spray Pyrolysis: Influence of Solution Precursor Meryem lamri zeggag, M.S. Aida aida and N. Attaf
PB108	Investigation on Cu(In,Ga)Se₂ Layers Grown on Si Surfaces Soumaya Mehdaoui, N. Benslim, M. Benabdeslem, L. Bechiri and Cimap-ENSICAEN
PB109	Optical, Structural and Morphological Properties of CdS Thin Films Prepared by Chemical Bath Deposition for Solar Cell Application Moualkia Hassiba, Oum El Bouaghi, abdelhakim mahdjoub, L. Hadjeris, L. Rémache, louardi remache, L. Herissi
PB110	Effect of ODC Thin Layer on Bifacial Solar Sells Based on CuGa_xIn_{1-x}Se₂ Thin Films Absorbers Abdesselam Bouloufa, Abdelhafid Mouhoub and Kamal Djessas
PB111	A Detailed Investigation of Equivalent Circuits for Thin Film CdTe/CdS Solar Cells by Impedance Spectroscopy Sadan OZDEN, Adem DONMEZ, Cagdas KOCAK, Yasemin ALTINAY, Habibe BAYHAN, Murat BAYHAN, Jonathan MAJOR and Ken DUROSE

PB112	Relationship Between Morphology and Surface Treatments of Flexible Materials: Wettability, FTIR Spectroscopy, AFM Investigations L. Guedri-Knani M. Khelifa , M. Sahraoui, C. Dridi and N. Yaakoubi
PB113	Dye Sensitized Solar Cells Using Star Shaped Triphenylene Diamine Material Comprising Anchoring Group Sule Erten Ela
PB114	TiO₂ Layers As Antireflection Coating For Crystalline P-N Junction Silicon Based Thin Film Solar Cells Özgün Boray Yurdakoş , Salih Alper Akalın , Selçuk Kılınc, Mustafa Erol and Erdal Çelik
PB115	Topological Insulator Based Photonic Crystal and Efficiency of Solar Thermo-Photovoltaic Integrated Structure: FDTD Calculation Filiz Karaomerlioglu, Amirullah M. Mamedov and Ekmel Ozbay
PB116	Admittance Spectroscopic Estimation of the Interfacial Traps In Non-ideal Heterojunctions Murat Bayhan, Bülent KOC AKIR, Habibe BAYHAN, Emre KARAMAN, Adem DÖNMEZ, and Şadan ÖZDEN
PB117	Bragg Mirrors Porous Silicon For the Light Trapping in Hydrogenated Amorphous Silicon Seba Hadj Yahia, Toufik HADJERSI and Nacera ZEBBAR
PB118	Impact of CdS Annealing Atmosphere on the Characteristics of CdS/CdTe Solar Cell Natalia Maticiu, Nicolae Spalatu, Valdek Mikli and Jaan Hiie
PB119	Efficiency Improvement of Superstrate CIGS Solar Cells with Enhanced Carriers Collection Idris Bouchama, Kamal Djessas , Abdessalam Bouloufa and Ammar Messous
PB120	Chemical Bath Deposition of In₂S₃ thin films Stanislav Tulenin
PB121	ZnO Thin Film as an Anti-Reflection Coating for β-FeSi₂ on Textured Silicon Substrate for Solar Cells Applications Sali Samira
PB122	Characterization of CuInTe₂ Thin Films Synthesized by Co-Electrodeposition Process Assia Bouraiou, Omar Meglali, Nadhir Attaf and Mohamed Salah Aida
PB123	Annealing Temperature Effect on CuInSe₂ Properties Prepared by Electrodeposition Fatma Zohra Mechrouh, Ahmed Mamdouh Younsi and Assia Bouraiou
PB124	Optical and Structural Properties Thin Films of SiC: Effect of Annealing S. Merazga , A. Keffous A. Brighet , K. Mirouh, M. SIAD and M. Kechouane
PB125	Preparation and Characterization of Dye-sensitized TiO₂ Nanorod Solar Cells Lijian Meng, Can Li and M.P. dos Santos
PB126	Plasmonic effect of Au NPs on CSS CdS/CdTe solar cell characteristics Nicolae Spalatu, Natalia Maticiu, Atanas Katerski, Malle Krunk, Valdek Mikli and Jaan Hiie

PB127	Micro diffraction and Structural Characterization of Nanocrystalline Cu₂ZnSnSe₄ Thin Films: Identification Phase Formation Cu_{1.8}Se A. Dussan and Heiddy P. Quiroz
PB128	Controlling morphology, geometry, ordering, and crystalline structure of TiO₂ nanotube arrays by anodic oxidation Farzad Nasirpour, Naeimeh-Sadat Peighambardoust and Iman Yousefi
PB129	PYROSOL DEPOSITED AL-DOPED ZNO THIN FILMS FOR C-SI SOLAR CELLS Alla Chebotareva, G.G.Untila, T.N. Kost and A.S. Stepanov
PB130	Thin Films of Inert Metal Nanowires for Electrochemical Applications Ali Canlier, Duygu Tahaoglu, Mehmet Ozdemir, Unal Se, Murat Citir and Hakan Usta
PB131	Synthesis and characterization of Cu₂O/ZnO core-shell nanorod solar cell Hsiang-Chen Wang, Hao-zhe Sun, Yi-Hong Lin, Cheng-Hsun Chu, Yung-Sheng Chen, Hsiang-Chen Wang, Che-Hao Liao, Li-Yin Chen, A. K. Chu, Raymond Chien-Chao Tsiang, and Chie-Tong Kuo
PB132	GAS SENSING PROPERTIES OF THE ZnO FILMS Mehmet Ertugrul, Demet Tatar, Zineb Benzaid
PB133	Structure, microstructure and magnetic properties of Ni₇₅Fe₂₅ films elaborated by evaporation from nanostructured powder. Amel KAIBI, A. Guittoum, R. Mustafa Öksüzoğlu, A.Murat Yağci, M.Boudissa and M.Kechouane
PB134	Influence of Al concentrations on the physical properties of transparent conducting Al-doped ZnO thin films Savaş Sönmezoğlu, Erdi Akman, Mahir Gülen, Seçkin Akın, Aytaç Gültekin, Hüsnü Emrah Ünalın and Raşit Turan
PB135	Influence of Substrate Temperature on the Structural, Optical and Morphological Properties of RF-Sputtered AZO Thin Films-Based UV Sensors Nihan Akın, Buse Cömert, Meltem Dönmez, Halil İbrahim Efker, Mehmet Çakmak and Süleyman Özçelik
PB136	Fabrication and Characterization of Ferromagnetic-Superconducting Hybrid Films Erhan Ongun, M.Kuru, E.Yazıcı and A.E.Ozmetin
PB137	Fabrication and Characterization of MgB₂ Films Grown by RF Magnetron-Sputtering Technique Erhan Ongun, M.Kuru, E.Yazıcı, A.E.Ozmetin and O.Şahin