

Programme of the 21st International Conference-School
“Advanced Materials and Technologies 2019”

Date: 19-23 August, 2019

Venue: Hotel “Gabija” (<http://www.gabija.lt/en/>)
Vytauto Str. 40, LT-00160
Palanga, Lithuania

Poster Session. August 22, Thursday, 15:30 – 17:25

Poster Session I (P1 – P61) 15:30 – 16:20
Poster Session II (P62 – P122) 16:35 – 17:25

METHODS OF SURFACE ANALYSIS

P1	Atomic Force Microscopy and Scanning Electron Microscopy for Imaging Modified <i>Saccharomyces Cerevisiae</i> Cells with Polypyrrole and Carbon Nanotubes Aura Kisieliute, Vilius Aukscionis, Antanas Zinovicius, Arunas Ramanavicius
P2	Surface Plasmon Resonance Immunosensors for Detection of Human Growth Hormone in Real-Time Elena Dauksaite, Almira Ramanaviciene, Asta Kausaite-Minkstimiene
P3	Spectroscopic Thickness Determination of PE-CVD Graphene, Wet-Transferred on Silicon Substrate Šarūnas Jankauskas, Rimantas Gudaitis, Erika Rajackaitė, Šarūnas Meškinis
P4	Scanning Electrochemical Impedance Microscopy for the Comparison of Healthy and Pathological Human Myocardium-Derived Mesenchymal Stem Cell Jurate Petroniene, Daiva Bironaite, Rokas Miksiunas, Kestutis Rucinskas, Vilius Janusauskas, Arunas Ramanavicius
P5	Application of MMXD and MGIXD Methods for Stress Measurements in the Mechanically Treated Surface Layer of Tungsten Adrian Oponowicz, Marianna Marciszko, Andrzej Baczmański, Sebastian Wroński, Mirosław Wrobel, Christoph Genzel, Manuela Klaus, Chedly Braham, Habib Sidhom

SURFACE ENGINEERING AND NANOSTRUCTURES

P6	Selective Elimination of Atoms or Ions in Crystals and Molecules Produced with X-Rays Arvydas Juozapas Janavičius, Romaldas Purlys, Ringaudas Rinkūnas, Mindaugas Viliūnas, Saulius Daugėla
P7	Electroless Deposition of Pt Using Co(II)/Co(III) Redox System Aldona Jagminienė, Loreta Tamašauskaitė-Tamašiūnaitė, Ina Stankevičienė, Eugenijus Norkus
P8	Formation of Micro Channels in PDMS via Femtosecond Laser Irradiation Mindaugas Juodėnas, Tomas Jurkšas, Tomas Tamulevičius, Artūras Vailionis, Sigitas Tamulevičius
P9	Formation of Porous Silicon in the Cooled Electrolytes Aliaksandra Hurbo, Vitaly Bondarenko
P10	High Yield CuO Nanowire Growth Via Thermal Oxidation Method for Application in Nanoelectromechanical Switches Raitis Sondors, Matiss M. Ramma, Edijs Kauranens, Jelena Kosmaca, Raimonds Meija, Mikk Antsov, Donats Erts
P11	Cold Plasma Deposited FeO_x – Application for the Catalytic Conversion of CO₂ to CO Jacek Balcerzak, Ryszard Kapica, Hanna Kierzkowska-Pawlak, Jacek Tyczkowski
P12	Laser Induced Changes in Nanostructure of Plasma-Deposited CoO_x Films Ryszard Kapica, Marcin Kozanecki, Jan Sielski, Jacek Tyczkowski
P13	AlIII-BV QW Structures with Bi for IR Range Optoelectronic Devices Simona Pūkienė, Mindaugas Karaliūnas, Algirdas Jasinskas, Evelina Dudutienė, Bronislovas Čechavičius, Andres Udál, Gintaras Valušis, Renata Butkutė
P14	Comparison of SERS-Activity of Silicon Nanowires Coated with Silver Using Wet and Dry Processes Arseni Klimenka, Sergey Zavatski, Nikita Grevtsov, Hurbo Aliaksandra, Viktor Khaliava, Hannah Bandarenka, Vitaly Bondarenko
P15	Application of Variable Thickness Anodic Alumina as Evaporation Masks for Production of Nanostructured Plasmonic Films and Nanoparticle Arrays Daniels Jevdokimovs, Raimonds Poplauskis, Juris Prikulis, Uldis Malinovskis, Mindaugas Juodėnas, Donats Erts
P16	Decoration of ZnO Nanorod Arrays with Gold Nanoparticles Using Dip-Coating Method Margarita Baitimirova, Uldis Malinovskis, Asta Tamulevičienė, Juris Prikulis, Donats Erts
P17	The Influence of Strong Magnetic Field to Ice-Iron Sliding Properties Ivars Driķis
P18	Investigation of Structured Thin Film Growth by Optical Monitoring Gabija Petrauskaitė, Lina Grinevičiūtė, Lukas Ramalis, Tomas Tolenis
P19	Analysis of Silver Nanoparticle Size Distribution in DLC Matrix Before and After fs-Laser Irradiation

	Gerda Klimaitė, Aušrinė Jurkevičiūtė, Tomas Tamulevičius, Sigitas Tamulevičius
P20	Photoluminescence and Plasmonic Scattering Studies of Zinc Oxide Nanorods with Noble Metal Nanoparticles Dilafruz Kulmatova, Margarita Baitimirova, Uldis Malinovskis, Tomas Tamulevičius, Yuliya Harmaza, Donats Erts, Juris Prikulis
P21	Electrical Properties of Single and Multilayer Silicon Nitride Dielectric for Applications in Nanocapacitors Liga Avotina, Marina Romanova, Elina Pajuste, Gennady Enichek, Aleksandrs Zaslavskis, Jurijs Dehtjars, Gunta Kizane
P22	Fabrication of Bimetallic Fe/Cu Catalyst for Heterogenous Fenton Process Catalysis Aliona Nicolenco, Modestas Vainoris, Francisco Alcaide, Natalia Tsyntsar, Henrikas Cesiulis
P23	New Approach to Fabrication of SERS-Active Substrates Based on Colloidal Nanoparticles Nadzeya Khinevich, Sigitas Tamulevičius, Asta Tamuleviciene, Hanna Bandarenka, Sergey Zavatski
P24	Production of High-Density Au Nanoparticle Arrays on Nanoporous Anodic Alumina from Colloidal Solutions Uldis Malinovskis, Raimonds Poplauskis, Aušrinė Jurkevičiūtė, Juris Prikulis, Donats Erts
P25	Investigation of Directionality of Chitosan/Polyethylene Oxide Nanofibers Sandra Varnaitė-Žuravliova, Natalja Savest, Julija Baltušnikaitė-Guzaitienė, Aušra Abraitienė, Andres Krumme
P26	Modeling of Diffusion Process in Oxygen Mobility Experiment in $Ce_xZr_{1-x}O_2$ Catalysts: Kinetic Model Muhammad Usman, Arvidas Galdikas
P27	Optically Transparent Fluorine Doped Tin Oxide Application for Phospholipid Membrane Formation Inga Gabriunaite, Margarita Poderyte, Aušra Valiūnienė
P28	Luminescence of Rare Earth Ions in Magnesium Coatings Prepared by Plasma Electrolytic Oxidation Krisjanis Auzins, Krisjanis Smits, Aleksejs Zolotarjovs, Ivita Bite, Carsten Blawert
P29	NEM Switch Operating Voltage Reduction and a Combined Lithography-Dielectrophoresis Method for NEM Switch Production Raimonds Meijs, Liga Jasulaneca, Jelena Kosmaca, Jana Andzane, Matiss M. Ramma, Edijs Kauranens, Donats Erts
P30	UV Sensing with ZnO Nanotetrapods Rasa Mardosaitė, Agnė Šulčiūtė, Mindaugas Illickas, Paulius Laurikėnas, Simas Račkauskas
P31	High Diffraction Efficiency Periodic Micro Structures Andrius Žutautas, Tomas, Tamulevičius, Sigitas Tamulevičius
P32	Synthesis of Silver Nanostructures and Their Modification with Ultrashort Laser Pulses Mantas Mikalkevičius, Mindaugas Juodėnas, Tomas Tamulevičius, Till Leißner, Asta Tamuleviciene
P33	Single Particle Self-Assembly proved by Surface Lattice Resonance Mindaugas Juodėnas, Tomas Tamulevičius, Joel Henzie, Donats Erts, Sigitas Tamulevičius
P34	Electroless Deposition of Cu-Zn Alloys Using Co(III)/Co(II) Redox Couple as a Reducing Agent Ina Stankevičienė, Aldona Jagminienė, Jūratė Vaičiūnienė, Eugenijus Norkus
P35	Mechanically Polished Titanium Surface For Tethered Bilayer Lipid Formation Tomas Sabirovas, Aušra Valiūnienė
P36	Electroless Deposition of Cobalt-Nickel-Boron Coatings Jūratė Vaičiūnienė, Zita Sukackienė, Ugnė Narkevičiūtė, Loreta Tamašauskaitė-Tamašiūnaitė, Eugenijus Norkus
P37	Evaluation of Electrospun Nanofiber Structure Virginija Kleivaitė, Rimvydas Milašius
P38	Refractive Index Optical Fiber Sensors Applying Doped Diamond Films Monika Kosowska, Daria Majchrowicz, Małgorzata Szczerska

ELECTRONIC AND OPTICAL MATERIALS

P39	Effect of the Film Morphology on Charge Trapping and Opto-Electronic Device Performance of Hybrid Perovskite Films Andrey Kadashchuk, Alexander Vakhnin, Weiming Qiu
P40	Spectral Characterization of Native Defects in AlN Bulk and Nanopowder Rihards Ruska, Janis Cipa, Baiba Berzina, Laima Trinkler
P41	GeSn Characterization by Nondestructive Optical Techniques Tomas Jurgutis, Saulius Nargelas, Patrik Ščajev, Pavels Onufrijevs, Arturs Medvids, Hung Hsiang Cheng
P42	Anisotropic Thin Film Based Polarizing Coatings for High Power Lasers Lukas Ramalis, Lina Grinevičiūtė, Rytis Buzelis, Tomas Tolenis
P43	Two-Dimensional Electron Gas Properties of GaN-Based High Electron Mobility Transistor Structures Nerijus Armakavicius, Philipp Kühne, Jr-Tai Chen, Vallery Stanishev, Plamen P. Paskov, Sean Knight, Tino Hofmann, Olle Kordina, Vanya Darakchieva
P44	Effect of Molecular Beam Epitaxy Growth Conditions for Terahertz Sensing InGaAs Diodes Domas Jokubauskis, Renata Butkutė, Linas Minkevičius
P45	Tunneling Luminescence Process Contribution in Afterglow of Strontium Aluminate Phosphors

Agnese Spustaka, Virgīnija Vītola, Donats Millers, Ivita Bite

P46 Investigation of Cerium Doped LSO and LYSO Crystals by Optical Pump and Probe Technique

Augustas Vaitkevičius, Saulius Nargelas, Andrey Fedorov, Vitaly Mechinsky, Mikhail Korjik, Gintautas Tamulaitis

P47 Investigation of Chrome Doped Lead Ferrite Thin Films Synthesized by Reactive Magnetron Sputtering

Benas Beklešovas, Vytautas Stankus

P48 Preparation of Titanium Nitride Nanoparticles Via Gas Aggregation Source (GAS)

Syeda Fatima Bukhari, Oleksandr Polonskyi, Jonas Drewes, Thomas Strunskus, Franz Faupel

P49 Plasmonic Activity of Platforms Including Carbon Nanostructures

Domantas Žitkauskas, Justina Gaidukevič, Jurgis Barkauskas, Gediminas Niaura

P50 Fabrication of Electrochromic Urea Biosensor Based on Prussian Blue

Giedrė Medvikytė, Aušra Valiūnienė, Povilas Virbickas

P51 Spectral Analysis of Pyroelectric Luminescence in LiGaO₂ Single Crystal

Janis Cipa, Laima Trinkler, Rihards Ruska, Baiba Berzina

P52 Enhancing Photocatalytic Performance of TiO₂ Thin Films by Metallic Nanoparticles and Hybrid Oxide Nanostructures

Salih Veziroglu, Josiah N. Shondo, Alexander Vahl, Oleksandr Polonskyi, Thomas Strunskus, Franz Faupel, Oral Cenk Aktas

MOCVD Epitaxy of GaN via Graphene

P53 Kazimieras Badokas, Arūnas Kadys, Ilja Ignatjev, Giedrius Juška, Jūras Mickevičius, Patrik Ščajev, Tadas Malinauskas

P54 Analysis of Diffractive Structures Produced by Laser Interference Lithography

Mindaugas Andrulevičius, Linas Puodžiukynas, Asta Guobienė

P55 Influence of Alkali Metals on the Optical Properties of Glassy Silicon Dioxide

Madara Leimane, Linards Skuja, Krisjanis Smits, Ivita Bite, Katrina Laganovska, Krisjanis Roze

P56 Investigation of Reactive Magnetron Sputtering of Aluminium Oxynitride Films and Their Applications for Optical Coatings

Naglis Kyžas, Alexandr Belosludtsev

P57 Modelling Semiconductors Alloys Using Special Quasi-Random Structures

Rokas Silkinis, Audrius Alkauskas

P58 Graphite Based Diffractive Optical Elements for Terahertz Frequency Range

Rusnė Ivaškevičiūtė, Linas Minkevičius, Andžej Urbanovič, Lukas Laurinavičius, Rasa Pauliukaitė, Gintaras Valušis

P59 An Algorithm for Designing True Color Dot-Matrix Holograms

Tomas Klinavičius, Tomas Tamulevičius

P60 Modelling the Interactions between Point and Dislocation Defects in Hexagonal Boron Nitride Using Force Fields

Vytautas Žalandauskas, Audrius Alkauskas

P61 The Effect of MBE Growth Parameters on Properties of GaAsBi Quantum Well Structures

Algirdas Jasinskas, Sandra Stanionytė, Martynas Skapas, Bronislovas Čechavičius, Evelina Dudutienė, Renata Butkutė

P62 THz Pulse Emission from Germanium Crystals

Ričardas Norkus, Ignas Nevinskas, Arūnas Krotkus

P63 Properties of Ultrafast Relaxation Dynamics of Plasmonic Aluminum Nanoparticles

Domantas Peckus, Joel Henzie, Tomas Tamulevičius, Mindaugas Andrulevičius, Algirdas Lazauskas, Erika Rajackaitė, Šarūnas Meškinis, Sigintas Tamulevičius

P64 Usability of Chrome Doped Alumina in Dosimetry

Ernests Einbergs, Aleksejs Zolotarjovs, Ivita Bite, Krisjanis Smits

P65 Transfer of Optical Vortices in Coherently Prepared Media

Hamid Reza Hamed, Julius Ruseckas, Emmanuel Paspalak, Gediminas Juzeliūnas

P66 Influence of Indium Concentration on Morphology and Physical Properties of In-Doped ZnO Nanostructures

Juliana Kepente, Ivita Bite, Larisa Grigorjeva, Agnese Spustaka, Krisjanis Smits, Anzelms Zukuls

P67 Microwave-Assisted Synthesis and Properties of Non-Doped and Ga-Doped ZnO Nanoparticles

Mareks Senko, Ivita Bite, Agnese Spustaka, Anzelms Zukuls, Larisa Grigorjeva, Krišjānis Šmits

P68 New Substituted Triphenylamine Derivatives as Hole Transporting Materials for Red PHOLEDs

Dovydas Blazelevicius, Gintare Krucaite, Marius Eidimtas, Dmytro Volyniuk, Jurate Simokaitiene, Saulius Grigalevicius

P69 Investigation of Properties of Triphenylamine Derivatives Containing Quaternary Ammonium Groups

Matas Steponaitis, Regimantas Komskis, Egidijus Kamarauskas, Tadas Malinauskas, Saulius Jursenas, Vytautas Getautis

CERAMICS

P70	Effect of Spherical Al₂O₃ Microceramics on Hardness and Wear Resistance of Composite Ni-based Coatings Aleksandr Lebedev, Jelena Škamat, Olegas Černašėjus
P71	Influence of Ba²⁺-Doping on the Structural and Thermal Properties of La₂Mo₂O₉ Ceramic Giedrė Gaidamavičienė, Artūras Žalga
P72	Sol-Gel Synthesis of Yttrium, Terbium Iron Perovskites and Yttrium Iron Garnet Justinas Januškevičius, Živilė Stankevičiūtė, Inga Grigoravičiūtė-Puronienė, Aivaras Kareiva
P73	Bioactivity Research of the Bioglass-Calcium Phosphates Composites in SBF Laurynas Alinauskas, Zivile Stankeviciute, Gabija Zarembaite, Aleksej Zarkov, Lauryna Sinusaite, Aivaras Kareiva, Edita Garskaite
P74	Study of Transition Metal Substitution Effects in Sol-Gel Derived Mg_{3-x}M_x/Al₁ (M = Mn, Co, Ni, Cu, Zn) Layered Double Hydroxides Ligita Valeikiene, Inga Grigoraviciute-Puroniene, Aivaras Kareiva
P75	The Porous Mullite Ceramics Observed by Slip Casting Method Ludmila Mahnicka-Goremikina, Ruta Svinka, Visvaldis Svinka, Vadims Goremikins
P76	Characterisation of Ceria Based Electrolytes Prepared by Glycine-nitrate Combustion and Co-precipitation Synthesis Routes Fariza Kalyk, Brigita Abakevičienė

POLYMERS AND COMPOSITES

P77	Investigation of Pyrrole Adsorption and Electrochemical Polymerization on Gold Surface Linas Sinkevičius, Deivis Plaušinitis
P78	Optical Properties of Cu_xS Thin Films Deposited on Polypropylene by Sorption-Diffusion Method Kamilė Vonžodaitė, Eglė Balčiūnaitė, Rasa Alaburdaitė, Edita Paluckienė
P79	Optical Properties of Cu-Doped Tin Selenide Films Aistė Kunciuūtė, Remigijus Ivanauskas, Algimantas Ivanauskas
P80	4D Printing for Programmable Materials Donatas Valiulis, Eugenijus Jurkonis
P81	Modification of Polyamide Films by Copper Selenide Layers Gediminas Jakubauskas, Neringa Petrašauskienė
P82	Study of Morphological Properties of MWCNTs/PDMS Polymer Nanocomposites Iryna Sulym, Katarzyna Jankowska, Jakub Zdarta, Dariusz Sternik, Yuriy Sementsov, Anna Derylo-Marczewska, Filip Ciesielczyk, Teofil Jesionowski
P83	Enhancement of Polypropylene-Epoxy Bond Adhesion by Gliding Arc Discharge with Cross Flow Gas Inlets Kateřina Polášková, Petr Jelínek, Filip Jeník, Lukáš Dostál, Lenka Zajíčková
P84	Cathodic Electrodeposition and Optical Properties of Ni-Doped ZnO Films Konstantin Yanushkevich, Eugene Chubenko
P85	Polymer Based Nanocomposites Modified with CNT/Bi₂Se₃ and CNT/Sb₂Te₃ Heterostructures for Thermoelectric Applications Krisjanis Buks, Jana Andzane, Juris Bitenieks, Janis Zicans, Donats Erts
P86	Porous Hybrid Polyvinyl Alcohol Acetals Nanocomposites with Magnetic Laponite for Efficient Dyes Adsorption Olena Goncharuk, Yuriy Samchenko, Natalia Pasmurtseva, Lyudmila Kernosenko, Tetyana Poltorats'ka
P87	Cholesterol Adsorption on Partially Hydrophobic Silica Nanoparticles from Solutions of Bile Salts Olga Kazakova, Nataliya Vlasova, Lyudmila Golovkova
P88	Manufacturing of Continuous Carbon Fiber Reinforced Thermoplastic Composites Using FDM Technology Tomas Kuncius, Marius Rimašauskas
P89	Study of Sensitivity to Glyphosate. Comparison of Differently Coated Gold Surfaces by Using ESPR Method Domas Balčiūnas, Deivis Plaušinitis
P90	Influence of Melting Temperature on Mechanical Properties of Melt Spun Polypropylene and Polyethylene Terephthalate Fibers Evaldas Bolskis, Erika Adomavičiūtė
P91	Sulfonated Poly(Ether Ether Ketone) Membranes and its Composite with Activated Carbon for Potential Application in CO₂ Electrochemical Reduction Cells Deniss Fedorenko, Guntars Vaivars
P92	Influence of Betulin Doped on Bacteriostatic and Antiinflammatory Properties of Polycarbonates Mateusz Przybyła, Tomasz Flak, Jadwiga Gabor, Klaudia Kubik, Andrzej S. Swinarew

P9	Formation and Optical Properties of Zinc Oxide/Copper Composites Nikita Tkachenok, Eugene Chubenko
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ADVANCED ENGINEERING MATERIALS

P94	The Control of Quality of Graphene Layers Based on Their Ultrafast Relaxation Properties Erika Rajackaitė, Domantas Peckus, Rimantas Gudaitis, Tomas Tamulevičius, Mindaugas Andrulevičius, Šarūnas Meškinis, Sigitas Tamulevičius
P95	Influence of Parameters of Gridirons on the Cotton Fibres Cleaning and Yarns Quality Sharof Shukhratov, Rimvydas Milašius
P96	Alternative Sources of Plant Nutrients Austėja Mikolaitienė, Rasa Šlinkšienė
P97	Dependence of Woven Fabric Tearing on Weave Construction Brigita Legaudienė, Rimvydas Milašius
P98	Synthesis of Well-Ordered Nano Structure of Anodic Alumium Oxide Using Different Electrolytes Chiang Fen Chang, Nhat Huy Luan, Yesong Gu
P99	Penetration of Esters, Derived from Vegetable Oils, into Anodized Coating for Friction Reduction Dalia Bražinskienė, Tadas Matijošius, Gedvidas Bikulčius, Svajus Asadauskas
P100	Investigation of Pilling Resistance of Linen / Silk Woven Fabrics Dyed in Light and Dark Colours Indrė Tautkutė-Stankuvienė, Eglė Kumpikaitė
P101	The Influence of Chromium and Aluminium Ions on the Calcium Silicate Hydrates Formation Inga Knabikaite, Kestutis Baltakys, Anatolijus Eisinas, Tadas Dambrauskas, Domante Niuniavaite
P102	Investigation of the Thermoregulation Properties of Knitted Fabrics with Fibres Containing Phase Change Materials Laimutė Stygienė, Sigitas Krauledas, Aušra Abraitienė Sandra Varnaitė-Žuravliova, Vitalija Rubežienė
P103	Functional and Advanced Applications of Electro-Conductive Materials for Smart Textiles Md. Reazuddin Repon, Daiva Mikučionienė
P104	Silver Plating of Polyacrylonitrile Graphite Fiber and Ball Milled Quartz for Electrically Conductive Application Nijolė Buškuvienė, Indrė Danisevičienė
P105	Investigation of the Laser Treatment Parameters for the Creation of Reinforcing Ribs in Metal Thin Sheet Materials Oleksandr Kapustynskyi
P106	Investigation on Influence of Antimicrobial Treatment on Structural and Psysical Properties of Textile Jolita Kriščiūnaitė, Daiva Mikučionienė
P107	Analysis of Latvian Sheep Breed Wool Chemical Composition and Properties Vanda Voikiva, Arturs Zarins, Gunta Kizane, Liga Avotina, Inesa Barmina, Maija Zake, Vita Rudovica
P108	Material Properties of Bend Multilayered Wood Base Materials Inga Zotova, Edgars Kirilovs, Ilze Gutmane
P109	Development of the Smart Materials Ecosystem in Latvia Gunars Bajars, Lauma Muižniece

MATERIALS FOR ENERGY APPLICATIONS

P110	Fabrication and Properties of Pristine/Doped Bi₂Se₃ Nanolaminates Liga Britala, Krisjanis Buks, Jana Andzane, Aleksandrs Neciporenko, Malvine Nelda Strakova, Donats Erts
P111	Development of Innovative Low Density Thermal Insulation from Wet-Preserved Hemp Edgars Kirilovs, Silvija Kukle, Hans-Jörg Gusovius, Inga Zotova
P112	Ionic Liquid Additive Significantly Increases MAPbI₃ Perovskite Stability Rokas Jasiūnas, Rui Xia, Vidmantas Gulbinas, Mohammad Khaja Nazeeruddin, Paul Joseph Dyson
P113	Efficient Catalytic Systems for Oxygen Reduction Reaction in PEM Fuel Cells Adriana Marinoiu, Claudia Cobzaru, Corina Cernatescu, Elena Marin, Radu Andrei, Catalin Capris, Elena Carcadea
P114	Influence of TiO₂ <i>in situ</i> Doping With Graphene Nanoparticles on Electrochemical Properties Ainars Knoks, Liga Grinberga, Peteris Lesnienoks, Ingars Lukosevics, Laimonis Jekabsons, Georgijs Cikvaidze
P115	Graphite Felt Modification with Lead(II) Oxide Using Lead(II) Formate for Application in Lead Acid Batteries Arminas Ilginis, Egidijus Griškonis
P116	Cobalt-Boron Alloy Modified with Gold Nanoparticles as Electrocatalysts for Glucose Electro-Oxidation Daina Upskuvienė, Zita Sukackienė, Aldona Balčiūnaitė, Birutė Šimkūnaitė-Stanynienė, Loreta Tamašauskaitė-Tamašiūnaitė, Eugenijus Norkus
P117	Thin Film Bismuth Selenide and Antimony Telluride Near-room Temperature Thermoelectric Generators Edijs Kauranens, Jana Andžāne, Uldis Maļinovskis, Donats Erts
P118	XRD Studies of Tin Sulfide Layers on FTO Glass

Asta Bronušienė, Ingrida Ancutienė

P119

Electrodeposition of a $\text{Mo}_{1-x}\text{W}_x\text{S}_2$ Material for Electrocatalysis of the Hydrogen Evolution Reaction

Ramunas Levinas, Natalia Tsyntsaru, Henrikas Cesiulis

P120

Neutron Irradiation Effects on the Oxidation Process of Beryllium in Nuclear Fusion Devices

Elina Pajuste, Gunta Kizane, Liga Avotina, Arturs Zarins

P121

Overshoot Effect in Triple Cation Perovskite Solar Cells

Rokas Gegevičius, Marius Franckevičius, Jevgenij Chmeliov, Vidmantas Gulbinas

P122

Synthesis and Characterization of New V886 Analogues

Aida Drevilkauskaitė, Marytė Daškevičienė, Egidijus Kamarauskas, Vygintas Jankauskas, Vytautas Getautis
