APMAS 2021

11th INTERNATIONAL ADVANCES IN APPLIED PHYSICS & MATERIALS SCIENCE CONGRESS & EXHIBITION

ENEFM 2021

7th INTERNATIONAL CONGRESS ON ENERGY EFFICIENCY & ENERGY RELATED MATERIALS

INTERM 2021

8th INTERNATIONAL CONGRESS ON MICROSCOPY & SPECTROSCOPY

BIOMATSEN 2021

6th INTERNATIONAL CONGRESS ON BIOMATERIALS & BIOSENSORS

NANOMACH 2021

2nd INTERNATIONAL CONFERENCE ON NANOMATERIALS,
NANOFABRICATION AND NANOCHARACTERIZATION

INTERPHOTONICS 2021

3rd INTERNATIONAL CONFERENCE ON PHOTONICS RESEARCH

OCTOBER 17-23, 2021

Liberty Hotels Lykia, Oludeniz MUGLA / TURKEY

POSTER PROGRAM THURSDAY, OCTOBER 21, 2021 14:30-16:30

FOYER (Poster Session Area)

Chairperson: A. Yavuz Oral

POSTER SESSION

(APMAS2021-ENEFM2021-INTERM2021-BIOMATSEN2021-NANOMACH2021-INTERPHOTONICS2021)

ID	Title	Contact Author
APMAS1718	Growth conditions influence on Quantum	Karolis Stašys
	Cascade Lasers	
APMAS1735	Kinematics of the "Ai-Gerim" Robot Arm	Zhumadil Baigunchekov & Natalia
		Tintaru (Tsyntsaru)
APMAS1740	SMARTELECTRODES: Pre-sulfurization	
	assisted defect treatment in CZTSSe	Vidas Pakstas
	absorbing material	
APMAS1742	SMARTELECTRODES: electrochemistry of	
	bismuth interlayers in (Bi2)m(Bi2Te3)n	Aliaksei Bakavets
	superlattice	
APMAS1743	SMARTELECTRODES: Influence of the	
	composition on the properties of the	Vladimir Petrenko
	modified surface layer generated on steel by	
	electrospark alloying	
APMAS1754	How stenosis can influence the	Liubov Toropova
	hemodynamics flow in a coronary artery	
APMAS1755	Towards nucleation and evolution of	Dmitri Alexandrov
	ellipsoidal particles in metastable liquids	Billett / tiexaliarov
APMAS1757	Radiation resistance of synthesized under	
	different conditions ZrO2 micro- and	Alma Dauletbekova
	nanostructured compacts	
APMAS1759	In-depth Raman spectroscopy study of	
	radiation damages induced by swift heavy	Abdirash Akilbekov
	ion irradiation in polycrystalline Si3N4	
APMAS1763	CARBON/COKE FORMATION ON	
	THEVARIOUS SYNTHETIC AND NATURAL	Manshuk Mambetova
	CARRIER-BASED NICKEL OXIDE CATALYST	Translak Mallioctova
	SURFACES IN THE DRM REACTION	
APMAS1765	THE BOUNDARY INTEGRAL EQUATION FOR	
	THE GROWTH OF A 2D DENDRITE IN THE	Ekaterina Titova
	PRESENCE OF CONVECTION	

ADB4AC4772	INCLUENCE OF THE MATURE OF CARRIERS	
APMAS1772	INFLUENCE OF THE NATURE OF CARRIERS	Cauliban Vanasainana
	ON THE ACTIVITY OF THE IRON CATALYST IN	Gaukhar Yergaziyeva
	THE DECOMPOSITION OF METHANE	
APMAS1774	Degradation diagnosis and durability	
	assessment of a SRT composite material	Eduard-Marius Lungulescu
	submitted to endurance test	
APMAS1775	Cu-Au nanoparticle solutions with broad-	
	spectrum antimicrobial properties used as	Eduard-Marius Lungulescu
	disinfectants for highly contaminated	Educia Marias Edrigaresea
	surfaces	
APMAS1777	Formation of surface self-assembled	
	organosilicon nanolayers on carbon steel	Maxim Petrunin
	and its effect on electrochemical and	Widalii i Cti diiii
	corrosion behavior of the metal	
APMAS1782	The mechanical properties of Mediterranean	Ružica Brunšek
	wild silk fibres	Ruzica Bruffsek
APMAS1784	Improvement of liquid Sulfur filtration	Meriem ESSAKHRAOUI
	process	Wellett ESSAKTIKAOOT
APMAS1785	Improvement of phosphoric acid	Meryem CHAFAI
	concentration unit by scale reduction	Wei yeiii Charai
APMAS1789	Ship Loading and Capacity Utilization	Nourhan I. Ghoneim
APMAS1791	Development of Biodegradable Nonwoven	
	Agrotextiles from Natural and Renewable	Dragana Kopitar
	Sources	
APMAS1796	Biodegradabilty of Modacryl/Cotton Plied	Ivana Schwarz
	Yarns	Ivalia Scriwarz
APMAS1797	Influence of Carbon Yarn Arrangement on	Ivana Schwarz
	Fabric Electrical Conductivity	Ivalia Scriwarz
APMAS1798	Statistical analysis of the dynamic	
	enhancement of reinforcement steel	 Egidijus Rytas Vaidogas
	properties: The Case of the Johnson-Cook	Egidijus Rytas valdogas
	model	
APMAS1799	Different Yarn Behaviours During the	Ana Kalazic
	Abrasion Process	Alla Kalazic
APMAS1800	Investigation of linker rotation dynamics in	
	ZIF-8, ZIF-67 and ZIF-90 metal-organic	Juras Ranys
	frameworks using broadband dielectric	Juras Banys
	spectroscopy	
APMAS1801	Water Vapour Transmission of Thermal	Cniožana Drnada
	Protective Woven Fabrics	Snježana Brnada
APMAS1810	New design of orthosis	Nicolae Dan BATALU
APMAS1815	New intuitive regularizating approaches for	Dmitry Carakalatay
	deconvolution problems	Dmitry Sorokoletov
APMAS1816	Investigation of the Morphology of Red	
	Blood Cells in those who died from	Davis Alakasas
	Hypothermia by Scanning Electron and	Revo Alekseev
	Atomic Force Microscopy	
APMAS1818	Structural – energy state of adsorption layer	College London London
	of YSZ-nanopowder system at hydratation	Svitlana Lyubchyk
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APMAS1827	Morphological characterization of	
/	polydopamine coated surfaces	Diana Bogdan
APMAS1828	Solid-state NMR as a powerful tool in	
AI WASIOZO	polydopamine characterization	Claudiu Filip
APMAS1833	Solder layer influence on the Thermal	
	Parameters of Insulated Gate Bipolar	Agata Skwarek
	Transistors (IGBTs)	
APMAS1836	Using One Dimensional Convolutional	
	Neural Networks for Classifying the	Jamil Renno
	Vibration of Process Pipework	
APMAS1838	Mechanical Characteristics of Ultra-High	
	Performance Steel FRC Made with Recycled	Wael Alnahhal
	Concrete Aggregates	
APMAS1849	The development of manufacturing	
	technology of refractory products from	Sergey Fomenko
	waste of ferrochrome production	
APMAS1856	Oxidation of CO and benzene over metal	
	nanoparticles loaded on hierarchical ZSM-5	Yuri Kalvachev
	zeolite	
APMAS1881	Synthesis of narrowband gap binary	
	semiconductor for enhancement of	Gotan Jain
	thermoelectric figure of merit	
APMAS1894	SMARTELECTRODES: Electrospark Alloying	
	One of the Advanced Methods for Physical-	Inna Linnic
	chemical Processing of Metals at "TOPAZ"	
APMAS1901	Azimuthally asymmetric gyrotron cavities for	Mikhail Proyavin
	selective excitation of symmetric TE modes	IVIIKITATI FTOYAVIII
APMAS1903	Gyrotron complexes for microwave material	Mikhail Proyavin
	processing	Time Toyaviii
APMAS1905	Properties of PbO-Bi ₂ O ₃ -Ga ₂ O ₃ glasses	
	modified by addition of Ag ₂ O and Sb ₂ O ₃ to	Petr Kostka
	form Ag nanoparticles	
APMAS1906	PbCl ₂ – Bi ₂ O ₃ – TeO ₂ glasses: preparation	Petr Kostka
	and physical properties	
	20 thormal conductivity massyroments as	
ENEFM29	3ω thermal conductivity measurements on type-I clathrate nanowires	Monika Budnowski
	Gold-Nickel Catalysts Supported on Titanium	
	for Borohydride Oxidation Designed by	
ENEFM30	Femtosecond Laser Structuring and	Eugenijus Norkus
	Chemical Modification	
	Conversion of Black Liquor to Highly Active	
ENEFM31	Nitrogen-Doped Carbon for Oxygen	Loreta Tamasauskaite-
LIVE WIST	Reduction Electrocatalysts	Tamasiunaite
	Synthesis and characterization of 3D NiCu	
ENEFM33	foams on Ti surface for borohydride	Aldona Balčiūnaitė
LIALI MISS	oxidation	The sale and the s
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ENEFM38	Manganese Nanoparticles Doped Graphitic Carbon Nitride Electrocatalyst for Oxygen	Ausrine Zabielaite
ENEFM40	Reduction Gold Nanoparticles Modified 3D Copper- Nickel Metallic Foams for the Electrooxidation of Sodium Borohydride	Žana Činčienė
ENEFM47	Implications of Next Generation Memory Materials for Green Data Centers	Hyokyung Bahn
ENEFM63	Band gap Modified Metal oxide Nanomaterials for Visible Light Absorption	Reenamole G Georgekutty
INTERM540	X-Ray apparatus with spatial resolution of ≥ 2 microns and time resolution of 1 ns.	Aleksandr Gribov
INTERM550	The study of pH and aging time influence on waste derived-MCM-41 mesoporous silica material properties by microscopic and spectroscopic analysis	Jarosław Madej
INTERM551	Sorption potential towards CO2 and microscopic analysis of Na-X and Na-A zeolites obtained from waste	Rafał Panek
BIOMATSEN358	Hydrogen production using selective serotonin reuptake inhibitors in microbial electrolysis cells	Tunc Catal
BIOMATSEN369	Saccharide interactions with glucose-binding proteins	Maciej Trzaskowski
BIOMATSEN378	For Rapid Determination of Target Bacterium by Using Magnetic Preconcentration of Samples an Adaptable Approach for QCM System	Gülay BAYRAMOĞLU
	Development of a lateral flow biosensor using gold nanoparticle conjugated	
BIOMATSEN395	antibodies for point-of-care detection of uropathogenic Escherichia coli	Cebrail Karakus
BIOMATSEN395	antibodies for point-of-care detection of	Cebrail Karakus
NANOMACH683	antibodies for point-of-care detection of uropathogenic Escherichia coli Triple perovskite-based triboelectric nanogenerator: a facile method of energy harvesting and self-powered information generator	Cebrail Karakus
	antibodies for point-of-care detection of uropathogenic Escherichia coli Triple perovskite-based triboelectric nanogenerator: a facile method of energy harvesting and self-powered information	

NANOMACH706	Efficacy of dental materials in terms of apparent mineral density restoration assessed by X-ray microtomography	Evgeniy Sadyrin
NANOMACH707	Mathematical modeling of indentation of	Andrey Vasiliev
	FGM coatings	
	Simplified analytical solution of the contact	
	problem on indentation of a coated half-	Sergei Aizikovich
NANOMACH708	space by a conical punch for interpretation	
	of nanoindentation tests	
	Synthesis and research of ZnO nanorods for	Andrei Nikolaev
NANOMACH709	applications in nanoelectronics	
NANOMACH714	New graphene structures for energy storage in lithium-ion batteries	Karolina Wenelska
	Study Of Human Platelets Spectral	
INTERPHOTONICS544	Homogeneity By SERS Technique	Ilia Samusev
	Spectroscopic ellipsometry characterization	
INTERPHOTONICS551	of glass poling and electric field assisted	Jordi Sancho Parramon
	dissolution processes	