

Plasma Science		
P-1001	Daniel Maler – Technion	"Application of photonic doppler velocimetry for velocity measurement of free target accelerated by shock wave"
P-1002	Konstantin Sheverdin – Ariel	Design Off-Axis Confocal Transmission Line for Terahertz Radiation
P-1003	Arujash Mohanty – WIS, Mumbai	"Non-Thermal Guiding for High Intensity Laser"
P-1004	Naama Cohen – Technion	Wake field of an electron bunch moving parallel to a dielectric cylinder
P-1005	Eitan Levine – WIS	Emittance Reduction by Density Tapering in Laser-Plasma Electron Acceleration
P-1006	Daniel Petukhin – WIS	The effect of pure spin current manipulations on atomic and molecular conductors
P-1007	Sharon Atlas – NRCN/BGU	Optical Diagnostics of Plasma Chemistry Towards a New Waste Treatment Process
P-1008	Ido Barth – HUJI	Kinetic Ladder Climbing and Autoresonant Acceleration of Plasma Waves
P-1009	Mykola Shatalov – Ariel	Investigation of Yttrium doped ZnO films
P-1010	Tal Queller – WIS	Turbulent Imploding Z-Pinch Plasma Close to Stagnation
P-1011	Gilad Marcus – HUJI	Creating and Studying Plasma Structures for Extreme Optics
P-1012	Yang Cao – Technion	The interaction of a ultra-short high-power microwave pulse with preliminarily formed plasma in a cylindrical waveguide
P-1013	Moshe Berreby – Technion/Rafael	Voltage and heat transfer distribution measurements along the constrictor of an arc plasma supersonic wind tunnel
P-1014	Alex Rososhek – Technion	Shock waves generated by underwater electrical explosion of a single wire and planar array

P-1015	Ilan Be'ery – Rafael	Plasma confinement by moving multiple mirrors
P-1016	Arsad Quraishi – Technion	Comparison of PIC and Fluid Simulations for CCRF Discharge with Secondary Electron Emission
P-1017	Ofer Kfir - University of Göttingen	Coherent electron manipulation by whispering-gallery photons as a path towards stroboscopic attosecond electron-microscopy"
P-1018	Hannah Aharon – BIU	Second Harmonic Generation for surface chemistry using plasmonic structures
P-1019	Hagay Hayun – BGU	Thermal shock resistant electrolyte for cyclable solid oxide fuel cell"
P-1020	Amnon Fruchtman – HIT	Experiments with a Hall Thruster fuelled by Argon
P-1021	Adnan Haj Yhya – Ariel	Non-destructive diagnostic of e-beam
Microscopy and Spectroscopy of Surfaces and Interfaces		
P-1022	Esti Toledo - Ben Gurion University	Multifunctional devices for the regulation of cytotoxic activity of natural killer cells
P-1023	lital Mordechay - Ben-Gurion University	Novel Materials and Devices for the Study of Mechanical Activity in Human Lymphocytes Cells
P-1024	Chhatrasal Gayner - Technion	Low temperature synthesis of metal incorporated zinc oxide for thermoelectric applications
P-1025	Matan Menahem - Weizmann	Anharmonicity in 2D hybrid halide perovskites
P-1026	Tatyana Bendikov - Weizmann	Imaging with XPS: Advanced Characterization for Advanced Materials and Devices
P-1027	Konstantin Borodianskiy - Ariel	Bioactive coating on Ti-based implants contained Ag antibacterial nanoparticles
P-1028	Alexander Sobolev - Ariel	Bioactive coating on Ti-based implants contained Ag antibacterial nanoparticles
P-1029	Dima Cheskis - Ariel	STM Imaging of deposited graphene oxide on Au substrate
P-1030	Fredy Zypman - Yeshiva	Passive mode scanning probe microscopy for measuring viscoelasticity

P-1031	Vivek Ramakrishnan - Ben-Gurion	Micro-environment dependent nanomechanics of polyfluorinated cationic surfactants containing
P-1032	Yuri Gorodetski - Ariel	Spin-locking plasmonic metasurfaces
P-1033	Chandra Shakher Pathak - Ben-Gurion	Mapping the photocurrent and photovoltage of perovskite films at the nanoscale for stability studies
P-1034	Gil Otis - BIU	Asymmetric induction of e-Zn(OH)₂ chiral crystals detected using EPR spectroscopy
P-1035	Maor Asher - Weizmann	Vibrational anharmonicity in organic semiconductors
P-1036	Natali Ostrovsky - Ben Gurion	Direct Imprint of Optical Functionalities on Free-Form Chalcogenide Glasses
P-1037	Ashish Pandey - Ben Gurion	Soft thermal nanoimprint with a 10 nm feature size
P-1038	Liora Maykler - Bar-Ilan	Membranes based on Cyclodextrins nanoparticles for water purification from organic pollutants
P-1039	Heli Levy - Bar-Ilan	Fabrication of microstructures using standing acoustic waves
P-1040	Dina Rosenberg - TAU	Echo Spectroscopy in Gas-Phase Multilevel Molecular Rotors
P-1041	Kamira Weinfeld -Technion	X-Ray Photoelectron Spectroscopy System as a powerful platform for Surface Analysis
P-1042	Dor Harel - Bar-Ilan	Calibrating evanescent-wave penetration depths for biological TIRF microscopy
P-1043	Lee Shelly - BGU	Fabrication and characterization of actinide (Ac = Th, U) doped ceria
P-1044	Honorata Kazimierczak - TAU	Electrodeposition of Zn-SiC nanocomposite layers
P-1045	Arindam Mallick - Ben Gurion	P-type highly conducting and transparent low temperature processed film: A smart combination of wide and narrow band-gap materials
P-1046	Moorthy Maruthapandi - Bar Ilan	Carbon dots initiated polymers of poly (4, 4'-oxybisbenzenamine) and poly (4, 4'-oxybisbenzenamine-pyrrole) macro-nanoparticles for organic dyes adsorption studies
P-1047	Raz Samira-TAU	New Fabrication Methods of Polymeric Nanosamples for in-situ Mechanical Testing in Transmission Electron Microscope

P-1048	Guido Schmitz, University of Stuttgart, Germany	New Tools for Atom Probe Tomography - The modular atom probe
P-1049	Michael Gerasimov	Development of an Artificial Intelligence System for the Design of an Optical Mode Converter
P-1050	Tatyana Kravchuk - Technion	Using TOF-SIMS for researching nanoparticles
P-1051	Aleksei Solomonov, Weizmann I	Probing of lysozyme self-assembly via microfluidics-assisted micro- and nano-sized capsules
Nanomechanics of Materials		
P-1052	Viraj Bhingardive, Ben-Gurion	Site Selective Functionalization of Nanowires For Biological Studies
P-1053	Sivan Tzadka, Ben Gurion	Direct Nanoimprint on Chalcogenide Glasses substrate for Optical Applications
P-1054	Eugen Rabkin, Technion -	Record-breaking strength and solid solution softening in Ni and Ni₃Fe nanoparticles
P-1055	Anna Yucknovsky, Technion	Reversible Aggregation of Au Nanoparticles Controlled by Excited State Proton and Hydroxide Transfer
P-1056	Leng-wai Un, Ben-Gurion	Thermo-Optical Nonlinearity of Single Metallic Nanoparticle
P-1057	Paulino Monroy, Ben-Gurion	Modeling two-site H₂O₂ photo-oxidation on haematite photoanodes
P-1058	Yarden Melamed	Sulfur Coat of Carbon Nanotubes 3D Nano-network for Li-ion batteries Cathodes
P-1059	David Eliyahu Yeshno, TAU	Atomic force microscope-based meniscus-confined three-dimensional electrodeposition
Epitaxial Films: Science & Technology		
P-1060	Jiawei Xia, Ben-Gurion	Nickel Phosphide Decorated with Trace Amount of Platinum as An Efficient Electrocatalyst for the Alkaline Hydrogen Evolution Reaction
P-1061	Lishai Shoham, Technion	High quality Transparent Conductive Oxide SrVO₃ by Molecular Beam Epitaxy
P-1062	Yuanshen Qi, Technion	Solid-state dewetting of iron-carbon thin films and the formation of steel nanowires

P-1063	Amnon Rothman, Weizmann	Kinetics and Mechanism of Planar Nanowire Growth
P-1064	Ilan Baiman, Bar-Ilan	Glass-like relaxation dynamics following the metal to insulator transition of VO₂
P-1065	Maayan Perez, Ben Gurion	Chemical Bath Deposition of PbS Thin Films from Acidic Bath
Energy and Sustainability		
P-1066	Alon Shapira, Ben Gurion	Electrically charged tri-stable media with implications to bulk heterojunction in organic photovoltaics
P-1067	Ramesh Nandi – Technion	A Protein Based Thin Film with Mixed Ionic and Electronic Conductivity
P-1068	Roman Nudelman – TAU	Jellyfish -based Smart Wound Dressings Devices Containing in-situ synthesized Antibacterial Nanoparticles
P-1069	Anat Itzhak – BIU	"Can we make Oxide Perovskite/Halide Perovskite Interfaces Selective?"
P-1070	Davide Raffaele Ceratti – WIS	"How A = MA/FA/Cs cations modify the surface and bulk Self-Healing of APbBr₃ perovskites and determine their stability prop"
P-1071	Anoop KM – BGU	"Sunlight concentration-dependent degradation of perovskite solar cells"
P-1072	Einat Hauzer – TAU	"Novel protein-gold nanoparticles for solar thermal-powered water desalination system based on the hyperthermia process"
P-1073	Liel Abisdris – BGU	"FORMATION OF CARBON NITRIDE FILMS USING ELECTROPHORETIC DEPOSITION OF SUPRAMOLECULAR ASSEMBLIES FOR ENHANCED PHOTOELECTROCHEMICAL CELL PERFORMANCE"
P-1074	Yonatan Hamo – WIS	"Charge trapping and releasing in multicolor electrochromic nanoscale assemblies"
P-1075	Pallavi Singh - Indian Institute of Science	"Higher open-circuit voltage and improved intrinsic stability of methylammonium perovskite cells via bulky Acetamidinium cation substitution"

P-1076	Adi Azoulay – BGU	" New Paradigm for Materials Design: Synthesis of Carbon Nitrogen Phosphorus Materials Based on Melamine-Phosphate Single Crystals with Sequence Encoded Properties"
Surface Science		
P-1077	Joseph Hazan – Technion	" Semi conductive properties of titanium dioxide thin films formed on Ti6Al4V processed by Powder Bed Fusion – Additive Manufacturing. Carrier concentration measured via Mott-Schottky approach"
P-1078	Mitun Das -TAU	Laser based additive manufacturing of ceramic reinforced metal matrix composites
P-1079	Anat Friedman – BGU	"Electrochemical Sensor for Bladder Cancer Detection"
P-1080	Tamir Forsht –WIS	"Surface-Guided Growth of Bi₂Se₃ Nanowires"
P-1081	Edward Bormashenko – Ariel	"New Investigations of Marangoni-Flow-Driven Self-Propulsion"
P-1082	Amos Bardea – HIT	"A New Method for Chemical Patterning into Non Planar and Closed Volume"
P-1083	Lev Rovinsky – TAU	"Fabrication and Characterization of Alumina and Vertically Aligned Carbon Nanotubes Nanocomposite Materials"
P-1084	Tali Dotan – TAU	"Microelectrodes patterning by supersonic cluster beam deposition (SCBD) and FS laser Processing"
P-1085	Tzuriel Metzger – HUJI	"Utilizing Chiral Induced Spin Selectivity effect to Enantio-separation"
Scanning Probe Microscopy		
P-1086	Arindam Mallick – BGU	"p-type highly conducting and transparent low temperature processed film: A smart combination of wide and narrow band-gap materials"
Nanoelectronics and Spintronics		
P-1087	Michael Mirilashvili, Bar Ilan	Fast Fabrication of Decorated ITO as High Performance Hydrogen Sensors
Soft and Biological Matter		

P-1088	Yuval Agam, Technion	Iron Role in the Electronic Conductivity across Porphyrin doped Serum Albumin Mats
P-1089	Jerry Fereiro, Weizmann	Solid-state Protein-based Reversible Bias-induced Tunneling Current Switch
P-1090	Ganit Indech, Bar-Ilan	Controlling and organizing neuronal networks using magnetic manipulations
P-1091	Nurit Atar, Soreq NRC	Inkjet 3d printing of digital polyimide
P-1092	Margarita Shepelenko, Weizmann	Order and disorder in calcium oxalate monohydrate: insights from first-principles calculations
P-1093	Ofer Manor, Technion	Contributions of surface forces to the deposition of nanoparticles from a volatile carrier liquid
P-1094	Esti Toledo, Ben Gurion	Multifunctional devices for the regulation of cytotoxic activity of natural killer cells
P-1095	David Svetlizky, TAU	Mechanical properties of Bio-Ferrography isolated cancerous cells studied by atomic force microscopy
P-1096	Orlando Marin, Bar Ilan	Colloidal icosahedra and other polyhedra: from synthesis to cross-sectional electron microscopy imaging