

## November 14

No.	Name of presenting author Affiliation	Title of poster presentation
P1-01	Hiroki Cho The University of Kitakyushu	Effects of Young's modulus on Post-buckling Characteristics of Tape-Shaped Ti-Ni Shape Memory Alloy
P1-02	Shuhei So Hamamatsu University School of Medicine	Noninvasive evaluation of testicular function by measuring oxygen saturation of scrotal-testicular tissue
P1-03	Shuhei So Hamamatsu University School of Medicine	A simple, non-contact portable sensor for continuous monitoring of respiratory rate during sleep
P1-05	Revathi Manivannan Shizuoka University	Design and Implementation of FPGA-Based Real-Time Signal Processing for SOI MOSFET Single-Photon Detector
P1-06	Masahiro Yamada Tohoku University	Replication methods of titanium surface topography
P1-07	Anitharaj Nagarajan Shizuoka University	Azimuth and Elevation Angle Dependence of SOI Photodiode Characteristics with 2D Hole Array Grating
P1-08	Samiron Kumar Saha Shizuoka University	Estimation of Membrane Tension of DOPG/DOPC-GUVs Induced by Osmotic Pressure
P1-09	Madhabi Shuma Shizuoka University	Interaction of non-fluorescent probe-labelled cell-penetrating peptide transportan 10 with single giant unilamellar vesicles
P1-10	Md. Mamun Or Rashid Shizuoka University	Effect of Membrane Potential on Magainin 2-induced Pore Formation in Lipid Bilayers
P1-11	Farzana Hossain Shizuoka University	Membrane potential is vital for rapid permeabilization of plasma membranes and lipid bilayers by the antimicrobial peptide lactoferricin B
P1-12	Masahiro Okada Okayama University	Development of nano-bioceramic coating for novel artificial periodontal tissue units
P1-13	Masahiro Toyoda Tokyo Institute of Technology	Fine tuning of betaine structures in polyelectrolyte that responds to tumorous conditions
P1-14	Ken Miyajima The University of Tokyo	Pyridylboronic Acid-Incorporated Polymeric Ligand for Targeting Sialic Acid on Cancer Cell Surface
P1-15	Junya Nakagawa Shizuoka University	Pump-beam focusing effects on terahertz-wave difference frequency generation in GaP crystal
P1-16	Hideki Kawai Shizuoka University	Development of bioimaging by the up-conversion using nanoparticles
P1-17	Dong Han Tokyo Institute of Technology	Electromagnetic membrane actuator with high force density for micropump application
P1-18	Kaname Chizuwa Nagoya University	Combinatorial Evaluation for Corrosion Resistance of Ti-Ni-based High Formable Shape Memory Alloys
P1-19	Yuta Matsushima Yamagata University	Deep Red Phosphors Based on 3d Transition Metals in Lithium Aluminates Toward Bioimaging Application
P1-20	Mae Nishimura Shizuoka University	Direct laser writing of solvent-responsive structures for micro-actuation and environmental sensing

No.	Name of presenting author Affiliation	Title of poster presentation
P1-21	Ayana Mizuno Shizuoka University	Uniform SERS-active platform based on self-assembled Au nanoparticle monolayer
P1-22	Toshihiko Nagamura National College of Technology, Kitakyushu College	Metal-enhanced Luminescence of Organic Dyes in DNA Ultrathin Films by Localized Surface Plasmon Resonance
P1-23	Taiki Takamatsu Waseda University	Wireless, wearable power sources printed on moist, soft contact lenses
P1-24	Keisuke Takishita Toyohashi University of Technology	Development of Microfluidic Devices for Multiplex Genetic Diagnosis Based on Isothermal DNA Amplification
P1-25	Afreen Azhari Hiroshima University	Influence of Effective Dielectric Constant and Signal-to-Mean Ratio on Microwave Imaging
P1-26	Masato Ueda Kansai University	Micro-structural Analysis by Precise Measurement of Resistivity in Pure Metals
P1-27	Naoki Wakiya Shizuoka University	Preparation and thermal stability of transparent conducting oxide having spinel structure
P1-28	Naoki Wakiya Shizuoka University	Trial of preparing alumina thin film by using liquid source misted chemical deposition (LSMCD)
P1-29	Tamara Potlog Moldova State University	The ZnPc:Bis-3-Pentyl-PTCBI system as potential photosensitizer for photodynamic therapy
P1-30	Hiromi Hashimoto Tokyo Institute of Technology	Study on non-contact hardness measurement of fruits using airborne ultrasound
P1-31	Yushin Numazawa Shizuoka University	Structural and Morphological Properties of Mg-silicate Nanosheet Bundles Synthesized from CaSi <sub>2</sub> Crystals
P1-32	Yalei Huang Shizuoka University	Structural and Morphological Properties of CaF <sub>2</sub> Nanostructures Synthesized from Ca-Silicide Crystals
P1-33	Masahiko Minamoto Tokyo Metropolitan College of Industrial Technology	Tele-Operation of a laparoscope holder robot using Facial Feature Point Detection
P1-34	Kosuke Nozaki Tokyo Medical and Dental University	Antibacterial effect of highly oriented TiO <sub>2</sub> nanosheet in dark conditions
P1-35	Kazuki Satomi Tohoku University	Impact of Ultrasound therapy on Bisphosphonate related osteonecrosis of the Jaw
P1-36	ZiXuan LI Tokyo Institute of Technology	Battery-less Wireless Ir/IrOx pH Sensor Module using RF Resonant Electromagnetic Coupling
P1-37	Takumi Suzuki Tohoku Gakuin University	Highly Sensitive Four-Terminal Low-Temperature Poly-Si TFT with HfO <sub>2</sub> Gate Stack on Glass Substrate for Extended-Gate pH Sensing
P1-38	Ryosuke Shoyama Shizuoka University	Fabrication of spin to orbital angular momentum coupler using Direct Laser Writing technique
P1-39	Yuki Yanagawa RIKEN, NARO	Study on effects of plasma treatment in Arabidopsis seedlings
P1-40	Kenta Kawai Hamamatsu University School of Medicine	Development of a new intrapartum fetal monitoring technique using a finger-mounted fetal tissue oximetry

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P1-41	Mitsuhiko Ogihara Filnax Corporation	Bonding Technology of Semiconductor Thin Films for Biomedical Applications
P1-42	Arockiyasamy Periyanaayaga Kristy Shizuoka University	Growth of ZnO nanostructures on carbon fabrics for producing thermopower in textiles
P1-43	Nozomi Nishizawa Tokyo Institute of Technology	Cancer detection using circular polarization of light scattered from biological tissues
P1-44	Srinivasa Naik.H Sri Venkateswara Veterinary University	Histopathological and Immunohistochemical Staining and Microscopic Imaging of Experimentally Initiated Atherosclerotic Lesions of Aorta and Cardiac Vessels in Wistar Male Rats
P1-45	Naohiro Sugita Tokyo Institute of Technology	Disruption of Polymer Microcapsules in a narrow gap under 1 MHz Ultrasound Irradiation
P1-46	Atsushi Fujii Toyohashi University of Technology	High-throughput Screening Device for Genes Related to Algal Phototaxis: Parallel Micro-Liquid Handling
P1-47	Palanisamy Baskaran Shizuoka University	Novel measurement technique of thermal diffusivity in nanowire structures using SEM and IR-thermography
P1-48	Fujio Wakaya Osaka University	Membrane break process in atomic force microscopy
P1-49	Yuriko Takayama Utsunomiya University	Fabrication of Gel Fiber Composed of Multiple Protein-Polysaccharide Gel Filaments and Application to Cell Adhesion
P1-50	Makoto Otsuka Musashino University	Quantitation of trace amorphous solifenacin succinate in pharmaceutical formulation by transmission Raman spectroscopy
P1-51	Naoko Nakamura Shibaura Institute of Technology	Cell Capturing using Antibody-Immobilized Filter under Flowing Condition
P1-52	Wataru Shichi Industrial Research Institute of Shizuoka Prefecture	Diffraction Efficiency Measurement of Plastic Diffractive Lens for LED Lighting
P1-53	Tsuyoshi Kimura Tokyo Medical and Dental University	Capillary formation of endothelial cell on decellularized matrix gel
P1-54	Koutarou Yasuhira Ritsumeikan University	Development of a mechanically-vibrating MEMS antenna installed with a linear RF antenna array element
P1-55	Mari Ueda Kanagawa Institute of Technology	Basic study on hearing aids for elderly and hearing-impaired people in shelters
P1-56	Tomoya Ohno Kitami Institute of Technology	Effect of Compositions on Electrical Properties of CSD-derived Calcium-doped Barium Zirconate Titanate Thin Films on Si
P1-57	Maya Miyoshi Tokyo Institute of Technology	Effect of C and Y additions on microstructure and mechanical properties in AuTiCo biomedical shape memory alloy
P1-58	Hayato Itou Shizuoka University	Nanocoating of Amorphous Lithium Niobate on Oxide Electrolyte Particles for Non-sintered Solid Electrolyte Composite Films
P1-59	Kenji Oka Shizuoka University	Evaluation of carrier transport characteristics of ohmic CdTe radiation detector by infrared laser
P1-60	Ryo Sato Tokyo Institute of Technology	Development of Assistive Listening Systems Utilizing Light

No.	Name of presenting author Affiliation	Title of poster presentation
P1-61	Eger Boonstra The University of Tokyo	Mechanistic analyses of polymer/lipid-based gene transfection processes through membrane integrity assay using proton sensing transistor
P1-62	Kento Hisa Toyohashi University of Technology	Formation of SU-8 Microinlets Using Photolithography: Toward Parallel Analysis of Algal Gene Expression
P1-63	Tomonori Okada Hiroshima University	Suppression of Ion Channeling Effects in 4H-SiC Substrate by Tilt Angle Control of Ion Implantation
P1-64	Kenta Nishigaito Hiroshima University	4H-SiC Pixel Device for UV Image Sensors
P1-65	Kazuki Yoshida University of Hyogo	Relationship between DNA damage by radiation and change of the characteristic of DNA transistor
P1-66	Kosuke Ono Hiroshima University	Millimeter-wave CMOS amplifier with negative-capacitance feedback using half-wave transformer