Poster Session 2 (11/9 11:25～13:15)

No.	Name	Affiliation	Title
2-1	Toshihiro Takamatsu 1,2 Yuma Suenaga 3 Manabu Kurosawa 4 Syosaku Ota 5 Akitoshi Okino 3	1 Tokyo University of Science 2 National Cancer Center 3 Tokyo Institute of Technology 4 Kobe University 5 Kobe Design University	Gastrointestinal Hemostatsis for Warfarin Dosed Pig by CO2 Low Temperature Plasma Jet (※ moved to Poster Session 1)
2-2	Tsuyoshi Kimura 1 Hironobu Takahashi 2 Shota Anzai 3 Naoko Nakamura 3 Tatsuya Shimizu 2 Akio Kishida 1	1 Tokyo Medical and Dental University 2 Tokyo Women's Medical University 3 Shibaura Institute of Technology	Preparation of decellularized pericardium by chemical and physical methods
2-3	Ko-Ichiro Miyamoto 1 Daisuke Suzuki 1 Yuhki Yanase 2 Shigeyasu Uno 3 Carl Frederik Werner 1 Tatsuo Yoshinobu 1	1 Tohoku Univ 2 Hiroshima Univ 3 Ritsumeikan Univ	Impedance mapping of the cultured cell layer and its application to a novel wound-healing assay
2-4	Hiroya Ikeda 1 Faizan Khan 1 Shota Sakamoto 1 Misa Ohkubo 1 Pandiyarasan Veluswamy 2 Toshitaka Yamakawa 3 Kazushi Ikeda 4	1 Shizuoka University 2 IIITDM 3 Kumamoto University 4 NAIST	Characteristics of ZnO-nanostructure/NiCu-fabric for self-power-generation physiological sensor
2-5	Takumi Okamoto 1 Tetsushi Koide 1 Toru Tamaki 1 Raytchev Bisser 1 Kazufumi Kaneda 1 Shigeto Yoshida 2 Hiroshi Mieno 2 Shinji Tanaka 3 Masayuki Odagawa 4 Hiroshi Toishi 4 Takayuki Sugawara 4 Masayuki Tsuji 4 Nobuo Tamba 4	1 Hiroshima University 2 Medical Corporation JR Hiroshima Hospital 3 Hiroshima University Hospital 4 Cadence Design Systems	Implementation of Real-Time Computer-Aided Diagnosis System for Colorectal Endoscopic Video with CNN features and SVM identifier
2-6	Takumi Okamoto 1 Tetsushi Koide 1 Toru Tamaki 1 Raytchev Bisser 1 Kazufumi Kaneda 1 Shigeto Yoshida 2 Hiroshi Mieno 2 Shinji Tanaka 3 Toshihiko Sugihara 4 Naoki Sugihara 4	1 Hiroshima University, 2 Medical Corporation JR Hiroshima Hospital 3 Hiroshima University Hospital 4 SystemCRAFT	Development of Endoscopic Video / Image Capturing Embedded System for Computer-Aided Diagnosis
2-7	Yasunori Sakane 1 Takumi Okamoto 1 Tetsushi Koide 1 Atsushi Ogawa 2 Masashi Komine 2 Chiharu Sone 2 Yoshihiro Kaneta 2 Yukio Yaji 2 Yoshikazu Ishii 2 Kyoko Toyofuku 2 Takahiro Kamata 2 Ken Kimura 2 Yoko Ishikawa 2 Toshihiro Kasama 3 Wojciech Bula 3 Yoshishige Endo 3 Ryo Miyake 3	1 Hiroshima University 2 Akita Prefectural University 3 The University Tokyo	Extraction of Growth Indexes of Lettuce and Rice Plants Using Leaf Expansion Vector

2-8	Hideki Murakami 1 Yoshiki Tanaka 1 Junichi Yamashita 1 Rikako Takeshita 1 Yasunori Sakane 2 Takumi Okamoto 2 Tetsushi Koide 2	1 National Institute of Technology, Kurume College 2 Hiroshima University	Development of In-situ Monitoring System for Crop Growth Observation
2-9	Toshihiro Kasama 1 Jung Chan Shin 1 Tetsushi Koide 2 Ryo Miyake 1	1 The University of Tokyo 2 Hiroshima University	Development of highly sensitive, low-cost, and incineration disposable paper-based immunodiagnostic microchannel device
2-10	Naoki Nishiguchi Akito Hara	Tohoku Gakuin University	Four-Terminal Low-Temperature Poly-Si TFT with HfO2 Gate Stack on Glass Substrate for Extended pH Sensor
2-11	Tomohito Sogame 1 Kohki Deguchi 1 Masaru Kurahashi 1 Masakazu Iwasaka 2 Kengo Kishimoto 1 Tsuyoshi Koyanagi 1 Hironori Asada 1	1 Yamaguchi University 2 Hiroshima University	Magnetic field response of biogenic guanine crystal hybridized with permalloy thin film
2-12	Shoya Yamazaki Shohei Moriya Mayuko Yoshida Yuma Suenaga Akitoshi Okino	Tokyo Institute of Technology	Development of decomposition device for medical/industrial waste gases using atmospheric pressure plasma
2-13	Akira Matsumoto 1,2 Siyuan Chen 1,2 Takayoshi Suganami 3 Yuji Miyahara 1	1 Tokyo Medical and Dental University 2 Kanagawa Institute of Industrial Science and Technology 3 Nagoya University	Smart Artificial on-Skin Pancreas Fabricated with Phenylboronic Acid/Silk Fibroin Hybrid Hydrogel for Glucose-Responsive Insulin Delivery
2-14	Yukihiko Sakisaka 1 Kentaro Maruyama 1 Jingyu Zhang 1 Hiroshi Ishihata 1 Eiji Nemoto 1 Keiichi Sasaki 1 Takeshi Hatsuzawa 2 Satoru Yamada 2	1 Tohoku University 2 Tokyo Institute of Technology	Serial cultivation of osteogenic cell by automatic transfer between culture substrate of microperforated titanium membrane
2-15	Takumi Mochida Wataru Hijikata Tadahiko Shinshi	Tokyo Institute of Technology	Development of an in-vivo generator with a contactless plucking mechanism driven by muscle contraction
2-16	Chindanai Ratanaporncharoen 1 Miyuki Tabata 1 Noboru Ishihara 2 Kazuya Masu 2 Mana Sriyudthsak 3 Yuichi Kitasako 1 Masaomi Ikeda 1 Junji Tagami 1 Tatsuro Goda 1 Akira Matsumoto 1 Yuji Miyahara 1	1 Tokyo Medical Dental University 2 Tokyo Institute of Technology 3 Chulalongkorn University	Development of the wireless pH sensor for quantitative analysis in dental field
2-17	Yuri Abe 1 Yuma Suenaga 1 Yuriko Matsumura 2 Atsuo Iwasawa2 Norihiko Ito 3 Akitoshi Okino 1	1 Tokyo Institute of Technology 2 Tokyo Healthcare University 3 Tottori University	Bactericidal effect of CO2 plasma bubbled-up water against oral bacteria
2-18	Kaname Chizuwa 1 Chiemi Oka 1 Seiichi Hata 1 Junpei Sakurai 1 Hideki Hosoda 2	1 Nagoya University 2 Tokyo Institute of Technology	Combinatorial Evaluation for Biocompatibility of High Formable Shape Memory Alloys

2-19	Yuma Suenaga 1 Yuri Abe 1 Yuriko Matsumura 2 Atsuo Iwasawa 2 Akitoshi Okino 1	1 Tokyo Institute of Technology 2 Tokyo Healthcare University	Relationship between liquid temperature and bactericidal effect in plasma bubbling disinfection
2-20	Kei Hosomi 1 Koichi Ozaki 1 Katsumi Takahiro 1 Fumitaka Nishiyama 2 Shin Yokoyama 2	1 Kyoto Institute of Technology 2 Hiroshima University	Morphological Changes of Tarnished Ag Nanoparticle Aggregates after Ar Plasma Exposure and Their Effects on Sensitivity to VOC Vapor
2-21	José Paitio 1 Shiro Takei 1 Masakazu Iwasaka 2 Yuichi Oba 1	1 Chubu University 2 Hiroshima University	Guanine reflectors in photophores of a mesopelagic lanternfish: structural function and potential applications
2-22	Ryotaro Hara Masaki Tahara Tomonari Inamura Hideki Hosoda	Tokyo Institute of Technology	Slip deformation behavior of a stress-induced martensite single crystal in Ti-6Mo-10Al biomedical shape memory alloy
2-23	Ryotaro Hara 1 Nao Okano 1 Daichi Minami 3 Tokuteru Uesugi 3 Yorinobu Takigawa 3 Kenji Higashi 3 Masaki Tahara 1 Tomonari Inamura 1 Hideki Hosoda 1	1 Tokyo Institute of Technology, 2 Osaka Prefecture University	Transmission electron microscope observation of slip deformation in single-crystalline Ti-27mol%Nb biomedical shape memory alloy
2-24	Daichi Yano 1 Manabu Bessho-Uehara 1 José Paitio 1 Masakazu Iwasaka 2 Yuichi Oba 1	1 Chubu University 2 Hiroshima University	Comprehensive gene expression analysis of the light photophores and eye in deep-sea lanternfish, Diaphus watasei
2-25	Takashi Hoshiba	Yamagata University	Epithelial-Mesenchymal Transition and Chemoresistance Acquisition on Staged Tumor Cell-Derived Decellularized Extracellular Matrix
2-26	Mitsuhiko Ogihara 1 Yoshiteru Amemiya 2 Shin Yokoyama 2	1 Filnex Corporation 2 Hiroshima University	Photonic Device Integration Using Thin device Layer Bonding for Biomedical Applications
2-27	Dawoon Jung Yoshiteru Aoi	Hiroshima University	Fully automated microbial cultivation technique by employing nano-constriction
2-28	Yusuke Kido 1 Yuma Tetsu 1 Shinji Takeoka 1 Toshinori Fujie 1,2 Tatsuro Goda 3 Yuji Miyahara 3	1 Waseda University 2 JST PRESTO 3 Tokyo Medical Dental University	Ultra-thin Flexible Electronics for Healthcare Applications
2-29	Taichi Uruma Tetsuo Tabei Yoshiteru Amemiya Tadashi Sato Shinji Yamada Kazushi Okada Shin Yokoyama	Hiroshima University	Integration of Photodiodes, Waveguides and CMOS Operational Amplifiers for Biosensor
2-30	Kiichi Kobayakawa 1 Kosuke Muraoka 1 Hiroshi Sezaki 1,2 Seiji Ishikawa 1,2 Tomonori Maeda 1,2 Shin-Ichiro Kuroki 1	1 Hiroshima University 2 Phenitec Semiconductor Co.,Ltd.	Effects of CF4+O2 surface etching on 4H-SiC MOS structures

2-31	Hiroyasu Takemoto 1 Miyuki Tabata 2 Yuji Miyahara 2 Nobuhiro Nishiyama 1	1 Tokyo Institute of Technology 2 Tokyo Medical and Dental University	Redox-sensitive 2-nitrobenzensulfonamide for polymer-siRNA conjugate system having high extracellular stability
2-32	Dong Han 1 Makoto Kine 1 Tadahiko Shinshi 1 Shogo Kadota 2	1 Tokyo Institute of Technology 2 TDK Corporation	A multi-pole magnetic MEMS energy harvester for low-frequency and two-DOF vibrations
2-33	Takuya Miyazaki Satoshi Uchida Horacio Cabral	The University of Tokyo	Development of mRNA-loaded Polymeric Micelles based on Flexible Block Ionomers
2-34	Yoshikazu Kameshima 1 Shunsuke Nishimoto 1 Michihiro Miyake 1 Miho Nakamura 2 Kimihiro Yamashita 2	1 Okayama University 2 Tokyo Medical and Dental University	Porosity and adsorption properties of polarized ZSM-5 zeolite bulk bodies
2-35	Tomomi Ishikawa 1 Takamaro Kikkawa 1 Atif Shahzad 2	1 Hiroshima University 2 National University of Ireland	Microwave Tomography in Time-Domain
2-36	Keisuke Tanimoto Yoshiteru Amemiya Shin Yokoyama	Hiroshima University	Toward Quick Response of Biomimetic Neural Circuits Using Photochromic Materials
2-37	Miyuki Tabata 1 Yusuke Yoshioka 2 Tatsuro Goda 1 Akira Matsumoto 1 Takahiro Ochiya 2,3 Yuji Miyahara 1	1 Tokyo Medical and Dental University 2 National Cancer Center Research Institute 3 Tokyo Medical University	Label-free electrochemical sensors detecting microRNA for liquid biopsy
2-38	Ganesh Kumar Mani Dhivya Ponnusamy Yutaka Yasoda Kazuyoshi Tsuchiya	Tokai University	Microneedle Sensor for Monitoring Single Cell pH
2-39	Soichiro Ogi 1 Kentaro Matsumoto 1 Miyuki Tabata 2 Yuji Miyahara 2 Shigehiro Yamaguchi 1	1 Nagoya University 2 Tokyo Medical and Dental University	Interplay of Folding and Assembly of Amino-Acid-based Diamide Enables Seed-initiated Supramolecular Polymerization
2-40	Yasuko Yanagida 1 Jongho Park 1 Takeshi Hatsuzawa 1 Gen Mayanagi 2 Jumpei Washio 2 Nobuhiro Takahashi 2	1 Tokyo Institute of Technology 2 Tohoku University	Optical properties of nanoscale structure fabricated on glass substrate and its application to fluorescence detection
2-41	Tatsuya Yasukawa Tetsuo Tabei Anri Nakajima	Hiroshima University	Electrically Conducting Electron Beam Resist containing Fullerene for Organic Biosensors with Nanostructures
2-42	Miyuki Tabata 1 Dilinaer Ainiwaer 1 Tatsuro Goda 1 Akira Matsumoto 1 Koichi Kato 2 Yuji Miyahara 1	1 Tokyo Medical and Dental University 2 Hiroshima University	Integrated thin-film electrochemical sensors for monitoring nucleic acid amplification
2-43	Chattarika Khamhanglit 1 Miyuki Tabata 1 Pornnapat Kul-eung 2 Mana Sriyudthsak 2 Tatsuro Goda 1 Akira Matsumoto 1 Tetsuo Tabei 3 Anri Nakajima 3 Yuji Miyahara 1	1 Tokyo Medical and Dental University 2 Chulalongkorn University 3 Hiroshima University	The effect of chemical modification on gate surface to pH response of ISFET

2-44	Hiroki Takagi 1 Yuma Suenaga 1 Yusuke Iijima 1 Shohei Moriya 1 Yuriko Matsumura 2 Atsuo Iwasawa 2 Akitoshi Okino 1	1Tokyo Institute of Technology 2Tokyo Healthcare University	Atmospheric pressure plasma device for uniform powder sterilization/surface treatment
2-45	Musashi Kakugawa 1 Kento Hisa 1 Daisuke Yamane 2 Takayuki Shibata 1 Moeto Nagai 1	1 Toyohashi University of Technology 2 Tokyo Institute of Technology	Parallel Manipulation of Small-volume Solutions for Analyzing Phototaxis and Gene Expression of Algae
2-46	Jun Inoue 1 Shin-Ichiro Kuroki 1 Seiji Ishikawa 1,2 Tomonori Maeda 1,2 Hiroshi Sezaki 1,2 Takahiro Makino 3 Takeshi Ohshima 3 Mikael Östling 4 Carl-Mikael Zetterling 4	1 Hiroshima University 2 Phenitec Semiconductor Co.,Ltd. 3 National Institutes for Quantum and Radiological Science Technology (QST) 4 KTH Royal Institute of Technology	Research on 4H-SiC Trench pMOSFETs with Low Parasitic Capacitance
2-47	Tatsuya Meguro 1 Fumiaki Hasebe 1 Akinori Takeyama 2 Takeshi Ohshima 2 Yasunori Tanaka 3 Shin-Ichiro Kuroki 1	1 Hiroshima University 2 National Institutes for Quantum and Radiological Science and Technology (QST) 3 National Institute of Advanced Industrial Science and Technology (AIST)	Development of Pixel Devices with combination of SOI-Si photodiode and 4H-SiC MOSFETs for Radiation-Hardened Image Sensors
2-48	Yoriko Tominaga Ryo Shimizu Sachiko Maki Makoto Maeda Yoshiko Okamura	Hiroshima University	Characteristics of biogenic PbS towards future fabrication of biogenic semiconductor devices
2-49	Tetsuo Sasaki 1 Tomoaki Sakamoto 2	1 Shizuoka University 2 National Institute of Health Sciences	A trial application of terahertz spectroscopy as a pharmaceutical process monitoring tool
2-50	Taku Fukutomi Atsushi Ono	Shizuoka University	Fabrication of plasmonic substrate with periodic aluminum grating for resonant
2-51	Daichi Todo Hiroaki Hanafusa Seiichiro Higashi	Hiroshima University	Investigation of the Mechanism for Ohmic Contact Formation of Silicon-Cap-Annealed n-type 4H-SiC
2-52	Yuri Mizukawa Hiroaki Hanafusa Seiichiro Higashi	Hiroshima University	Simultaneous Measurement Combining Real-Time Reflectivity Measurement and Camera Observation for Visualization of Temperature Distribution in Molten Silicon
2-53	Seiki Kawasaki Hiroaki Hanafusa Seiichiro Higashi	Hiroshima University	High Speed Annealing for Activation of Phosphorus implanted 4H-SiC by Nitrogen-boosted Atmospheric Pressure Thermal Plasma Jet
2-54	Wataru Nakano Hiroaki Hanafusa Seiichiro Higashi	Hiroshima University	High Speed Crystallization of Amorphous Silicon Films and Control of Crystal Orientation by Thermal-Plasma-Jet Irradiation Using Cylindrical Rotation Stage
2-55	Tomoyasu Ishii 1 Shin-Ichiro Kuroki 1 Hiroshi Sezaki 1,2 Seiji Ishikawa 1,2 Tomonori Maeda 1,2 Takahiro Makino 3 Takeshi Ohshima 3 Mikael Östling 4 Carl-Mikael Zetterling 4	1 Hiroshima University 2 Phenitec Semiconductor Co.,Ltd 3 National Institutes for Quantum and Radiological Science and Technology (QST) 4 KTH Royal Institute of Technology	The comparison of short-channel characteristics of planar and trench 4H-SiC MOSFETs
2-56	Fumiaki Hasebe 1 Tatsuya Meguro 1 Takahiro Makino 2 Takeshi Oshima 2 Yasunori Tanaka 3 Shin-Ichiro Kuroki 1	1 Hiroshima University 2 National Institutes for Quantum and Radiological Science and Technology (QST) 3 National Institute of Advanced Industrial Science and Technology (AIST)	Direct Bonding of 4H-SiC / SOI-Si and Photodiode formation

2-57	Yuki Matsuoka 1 Ayano Toriyabe 2 Naoki Nohira 2 Shinya Iwasaki 2 Akira Umise 2 Hideki Hosoda 2	1 Nara Women's University 2 okyo Institute of Technology	Instability of β -phase in Au-based martensitic alloy