

The 16th International Symposium on Advanced Technology (ISAT-16)

SCIENTIFIC PROGRAM

The Scientific Program will include plenary lectures, invited lectures, oral and poster presentations. The official language of the Symposium is English. Registration, all lectures and the oral and poster presentations will be held at Hachioji Campus, Kogakuin University.

Presentation Guidelines

ORAL PRESENTATIONS:

The time allocated to each presentation will be:

Key-note: 35 minutes talk and 5 minutes for discussion

Invited & contributed talks: 15 minutes talk and 5 minutes for discussion Oral presentation will be given using a PC projector. ISAT will prepare a PC and a projector at each session room. Presenters may bring their own PCs.

POSTER PRESENTATIONS:

Poster presentation session is scheduled for **Thursday, November 2, at the 7th floor, Building No. 2**. A board (approximately 90 cm width, 200 cm height) will be available for posting each presentation. All posters will preferentially be placed on the viewing boards from **Wednesday morning (08:30), November 1**, so that they will be available for viewing during the innovation Big-west, and coffee break. On the poster board, only the paper number will be labeled. The paper title, author names, and affiliations should be prepared by the authors. Necessary tools for pinning the posters will be provided. The presenter should be available to explain his/her work in front of the poster when referees visit the poster.

ISAT Symposium Program

November 1st	
08:30-09:30	Registration (1N-338, Lobby)
09:30-09:40	Opening Ceremony of ISAT (Room; 1N-338) Opening remark; Prof. Mitsunobu Sato
09:40-10:40	Key-note Lecture 1 (Kogakuin University) Prof. Ei-ichi Negishi, Prof. Mitsunobu Sato, Mr. Hiroyuki Umetani, Prof. Hiroto Hamane Title; Solar Car Project
10:40-11:00	Coffee Break
11:00-11:40	Key-note Lecture 2 (Southern Taiwan University of Science and Technology) Prof. Chein Tai, Prof. Chun-Sheng Chang Title; Current Situation and Prospect of Biotechnology Industry in Taiwan
11:40-12:20	Key-note Lecture 3 (The University of DaNang, University of Science and Technology) Prof. Mai H.N., Prof. Linh V.T.B. Title; A Method Control of Robot Manipulator with Elastic links
12:20-13:30	Lunch (Student Center 2F, Invite only; Building No.2, 7 th floor)
13:30-13:45	Opening Ceremony of Innovation Big-West (Room; 1N-338)
13:45-14:30	経済産業省基準認証政策課課長 萩原崇弘 氏 Title; オープンイノベーションにおける知財・標準化戦略
14:30-15:15	科学技術振興機構 (JST) 研究開発戦略センター 島津博基 氏 Title; オープンイノベーション時代の研究開発戦略
15:15-17:00	Innovation Big-West (Room; Building No.2, 7 th floor)
17:30-19:30	Symposium Dinner (Student Center 2F)

November 2nd	
Oral Session	
Session 1 (02-114)	
09:20-09:40 O001	Gang He Fabrication of PZT thin films from CSD to Combinatorial Chemistry and FGM
09:40-10:00 O002	Likius Shipwiisho Daniel, Ateeq Rahman, Veikko Uahengo Pd-MCM-41 and Ni-Boride-Silica Catalyst Synthesis, Characterization and its Application for Reduction of Substituted Aromatics: An Environmentally Benevolent Approach
10:00-10:20 O003	Masato Morita, Toshihide Kawai, Takeo Okumura, Hideki Tomita, Sakamoto Tetsuo Element-Selective Imaging for Radioactive Materials by means of Resonant Laser Ionization Sputtered Neutral Mass Spectrometry
10:20-10:40	Coffee Break
10:40-11:00 O004	This paper has been withdrawn by the author
11:00-11:20 O005	Shiro Seki, Keitaro Takahashi, Yuki Ishino, Wataru Murata, Maho Yanagisawa, Tomohito Suzuki, Eri Tabata, Fumitaka Oyama Room-Temperature Ionic Liquids as Electrolyte Materials for Energy Storage / Conversion Devices and Analysis Tools
11:20-11:40 O006	Xiaohu Zhang, Uahengo Veikko, Jin Mao, Ping Cai and Tianyou Peng Photocatalytic Splitting of Water for Hydrogen Production Over a Ru ²⁺ Dye-Sensitized TiO ₂ based complexes within the Visible Region
11:40-12:00 O007	Qin Shuai, Shengrui Xu Application of calcium-based nano-materials in comprehensive utilization of coal resources
Session 2 (02-164)	
09:20-09:40 O101	Chia-Wei Kuo, Wen-Shan Chen, Chao-Tang Yu MIMO Antenna Solution for Terminal Device
09:40-10:00 O102	Hiromichi Ogawa, Aki Kobayashi Calculation of Program Similarity by Convolution Kernel using Abstract Syntax Tree

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10:00-10:20 O103	Wen-Shan Chen, Rong-Da Lin DESIGN OF EIGHT-BAND ANTENNA FOR LAPTOP APPLICATIONS
10:20-10:40	Coffee Break
10:40-11:00 O104	Yuki Udagawa, Osamu Mizuno Priority Control Using Multiple-Paths for Smart Grid Communications
11:00-11:20 O105	Chao-Tang Yu, Liang-Bi Chen, Wei-Wen Hu, Wan-Jung Chang, Jing-Jou Tang, Da-Huei Lee Development of the Next-Generation Internet of Vehicles Communication System for Driving Safety (I)
11:20-11:40 O106	Masafumi Koike, Osamu Mizuno Improvement of Cache Reference Rate using Transmitted History in Information-Centric Networking-based Wireless Sensor Network
11:40-12:00 O107	Ding-Horng Chen, Tsai-Rong Chang, Chi-Duan Chiou A Research of Tennis Video Segmentation and Player Movement Analysis
Session 3 (02-264)	
09:20-09:40 O201	Hiromi Sugimoto, Haruka Hino, Yusuke Takahashi, Shigehiro Hashimoto Effect of Surface Morphology of Scaffold with Lines of Micro Ridges on Deformation of Cells In Vitro
09:40-10:00 O202	Quoc Thien Pham, Nai Shang Liou, Irsyadi Yani, Yulia Resti The development and application of HSI system for bruise detection
10:00-10:20 O203	Kenta Sugimoto, Yusuke Takahashi, Haruka Hino, Shigehiro Hashimoto Effect of Mechanical Property of Scaffold Surface on Cell Migration
10:20-10:40	Coffee Break
10:40-11:00 O204	Ryo Machida, Hisaya Tanaka Dynamic Detection Method with Auto Gain Control for Leg Motor Imagery in Brain Computer Interface
11:00-11:20 O205	Yusuke Takahashi, Haruka Hino, Shigehiro Hashimoto Measurement of Deformability of Cell by Slits between Micro-machined Cylindrical Pillars

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11:20-11:40 O206	Takuya Tamura, Haruka Hino, Shigehiro Hashimoto Excess Gravity Affects Cell Behavior After Stimulation
11:40-12:00 O207	Haruka Hino, Hiromi Sugimoto, Yusuke Takahashi, Shigehiro Hashimoto Endothelial Cell Behavior After Stimulation of Couette Type of Shear Flow
Session 4 (02-564)	
10:40-11:00 O301	Susan E. Martonosi Global Collaboration: An Essential Skill in the 21st Century
11:00-11:20 O302	Satoru Takagi Several Ways to Improve Our Education
11:20-11:40 O303	Pin-Chun Chao Visions for the Senior Learning Program Influences the Learner's Attitude Towards Citizen Participation
12:00-13:00	Lunch (Student Center 1F, Invite only; Building No.2, 7 th floor)
13:00-15:30	Poster Session (Room; Building No.2, 7 th floor)
13:00-14:10	Odd number
14:20-15:30	Even number
16:00-16:30	Closing Ceremony of ISAT16 th (Room; 1N-338) •Best Poster Award Ceremony •Closing remark

Poster Session

P001	Sumito Ukai, Masanori Shiomi Forming of Aluminum Foams by Deposition Process
P002	Reiichi Tokumoto, Takashi Tominaga, Eiichiro Yokoi, Masayoshi Tateno Secondary Machining Effects of Free Surface Edges of Bonded Dissimilar Materials (Case of Ceramic-Metal Joint)
P003	Kazuki Iida, Satoshi Sudo, Masayoshi Tateno Removal Amount of Surface introduced Indentation Crack on Evaluation of Fracture Toughness for Single Crystal Silicon Wafer
P004	Sho Kawabata, Takashi Yamamoto Optimization of micro structure of sound-absorbing poroelastic materials
P005	Shogo Toyama, Hideki Takezawa Change in Magnetic Flux Density Consider of Internal Temperature for Permanent Magnets by EDM
P006	Shingo Hayashi, Hideki Takezawa Change in Finish EDM Surface with Micro-bubble Mixed EDM Fluid
P007	Hirofumi Ohta, Fumiko Akagi Calculation Model of Magneto-Impedance Sensor Using Amorphous Wires
P008	Noriki Shirai, Ryusuke Suzuki, Yukihiro Kudoh, Taiju Takahashi Evaluation of Flexoelectric Coefficient ($e_{11} + e_{33}$) with ZLI-2293 Using Impurity Ion Traps
P009	Takuya Okada, Yukihiro Kudoh, Taiju Takahashi Fundamental Study on Forming PI Alignment Films for Liquid Crystal by Mist Deposition Method
P010	Ryuhei Ozawa, Yutaka Suwazono, Yukihiro Kudoh, Hiroki Nagai, Mitsunobu Sato, Taiju Takahashi Thickening of TiO ₂ Film Formed by ESD Method Using Molecular Precursor Solution
P011	Yusuke Nakajima, Kazuki Uehara, Takeyoshi Onuma, Tomohiro Yamaguchi, Tohru Honda Near surface band bending in InN films grown by DERI method
P012	Ryosuke Nawa, Takeyoshi Onuma, Tomohiro Yamaguchi, Tohru Honda Fabrication of Si micro-cup substrate and its application for integration of μ -LEDs

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P013	Mizuki Ono, Takeyoshi Onuma, Kohei Sasaki, Hiroki Nagai, Tomohiro Yamaguchi, Masataka Higashiwaki, Akito Kuramata, Shigenobu Yamakoshi, Mitsunobu Sato, Tohru Honda Origin of free holes and visible light absorption in p-type NiO films
P014	Kenichiro Rikitake, Tomohiro Yamaguchi, Takeyoshi Onuma, Tohru Honda Bandgap Engineering of α -Ga ₂ O ₃ Films Grown by Mist Chemical Vapor Deposition
P015	Takuya Kobayashi, Kazuki Sawamoto, Shinya Aikawa, Tomohiro Yamaguchi, Takeyoshi Onuma, Tohru Honda Fabrication of TFT using amorphous In ₂ O ₃ thin film by mist CVD
P016	Yuki Chunobayashi, Ryosuke Nawa, Yuki Takahashi, Haruka Matsuura, Tomohiro Yamaguchi, Takeyoshi Onuma, Tohru Honda Formation of Black Matrix for Realization of Micro-LED Display
P017	Daichi Taka, Tomohiro Yamaguchi, Takeyoshi Onuma, Tohru Honda Unintentionally Doped Impurities in GaN Layer Grown by RF-MBE
P018	Kiyotaka Fukuda, Takeyoshi Onuma, Liwen Sang, Tomohiro Yamaguchi, Tohru Honda, Masatomo Sumiya Photothermal Deflection Spectra of Gallium indium nitride layers grown by MOVPE
P019	Haruka Matsuura, Takeyoshi Onuma, Tohru Honda, Tomohiro Yamaguchi Impact of mask materials on dry etching of GaN using ICP-RIE
P020	Yuki Takahashi, Takeyoshi Onuma, Hiroki Nagai, Tomohiro Yamaguchi, Mitsunobu Sato, Tohru Honda Near-the surface Fermi level measured In ₂ O ₃ and Ga ₂ O ₃ thin films by molecular precursor method
P021	Kai-Hsuan Li, Bo-Lin Lin, Ruey-Ching Twu Disposable Flowing Container for Liquid Concentration Measurement in a Heterodyne Interferometer
P022	Cheng-Hsin Chuang, Chung-Lin Huang, Yu-Bin Huang, Cheng-Chien Wang, Chuh-Yung Chen Development of a Stretchable Smart Fabric Based Force Sensor Utilizing PVDF Nanofibers Obtained via Electrospinning
P023	Hsiang-Jung Wu, Hiroki Nagai, Mitsunobu Sato Fabrication and characterization of p-type Cu ₂ O Thin Film Transistor by using molecular precursor method

P024	Alina Uusiku, Hiroki Nagai, Mitsunobu Sato Effect of applied voltage on the synthesis of Cu(II) complex of EDTA in aqueous solutions, from copper plates by electrochemical process
P025	Yuuki Fukuda, Tatsuya Suzuki, Hiroki Nagai, Mitsunobu Sato Transparent and conductive composite thin-film fabricated on quartz with carbon-nanotube and Titania
P026	Yutaka Suwazono, Hiroki Nagai, Mitsunobu Sato Reduction of CuO thin films by light irradiation in an aqueous solution
P027	Tatsuya Suzuki, Hiroki Nagai, Mitsunobu Sato Photovoltaic, energy-storage and all-solid-state device fabricated by using precursor solutions for titania and lithium-cobalt-oxide thin-films
P028	Philipus N. Hishimone, Hiroki Nagai, Mitsunobu Sato Electrical Resistance of a MWCNT/Cu Composite Thin-Film Fabricated From an Aqueous Solution Containing Cu(II) Complexes and MWCNT
P029	Ken Tokunaga, Fumiya Odate, Keishiro Tahara, Mitsunobu Sato Molecular Quantum-Dot Cellular Automata made of Biferrocenium Complexes: Prediction of Device Operation using Electrostatic Potential
P030	Yusuke Muramatsu, Hideki Hashimoto, Hidetaka Asoh Influence of Electrolysis Conditions on Anodic Electrochemical Exfoliation of Graphite
P031	Akane Terasawa, Mizuki Itoh, Hirofumi Inada, Taigo Takaishi, Hidetaka Asoh, Hideki Hashimoto Reaction between Iron Oxide Powder and Low-Melting-Point Lead-Free Frits for Red Overglaze Enamel Decorations of Porcelain
P032	Ryota Imai, Hideki Hashimoto, Hidetaka Asoh Chemical Etching of GaAs using Au Nanodots as a Catalyst
P033	Masahiro Soeno, Shoma Nishikata, Hiromitsu Takaba Theoretical Design of Cathode Electrode Catalyst in Lithium Air Cell
P034	Hayato Higuchi, Hiromitsu Takaba Molecular Simulation of Forward / Reverse Osmosis Processes Across Membranes
P035	Fumiya Hirosawa, Hiromitsu Takaba Multicomponent gas permeation model for hydrocarbon separation using MFI zeolite membrane

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P036	Misato Nakamura, Masahiro Soeno, Hiromitsu Takaba AI Induction of Unknown Parameters in Numerical Analysis of Li-air battery Performance
P037	Yuito Koga, Kazu Okumura Direct Inclusion and Catalysis of Triphenylphosphine Derivatives in the Zeolite Y Supercage
P038	Koji Hiraoka, Hitoshi Kohri, Shiro Seki Relationship between microstructure and thermoelectric properties of (Ti, Zr)NiSn alloy
P039	Yuki Ishino, Shiro Seki, Keitaro Takahashi, Wataru Murata Investigation of degradation factor for Lithium-Sulfur batteries by quantitative determination analysis using UV-vis spectra
P040	This paper has been withdrawn by the author
P041	Keitaro Takahashi, Yuki Ishino, Maho Yanagisawa, Wataru Murata, Shiro Seki How combine two effective approaches of high performance factors for Lithium-Sulfur batteries? -Super concentrated lithium salt electrolyte and non-interactive dilute solvent-
P042	Naoya Yoshida, Taiki Genma, Toshiyuki Kuriya, Kazuto Fukasawa, Toshinori Okura Effects of 2D Inverse Opal Structure on Static and Dynamic Wettability
P043	Naoki Matsuoka, Naoya Yoshida, Kimihiro Yamashita, Toshinori Okura Synthesis of H ⁺ Conductive Na ₄ Y _{0.6} P _{0.2} Si _{2.8} O ₉ Glass-ceramic Solid Electrolyte
P044	Naoyuki Inoue, Naoya Yoshida, Toshinori Okura Preparation and Characterization of Bi doped Tricalcium Phosphate
P045	Yoshikazu Kaji, Naoya Yoshida, Kimihiro Yamashita, Toshinori Okura Ionic Conductivity of H ⁺ Conductive Na ₂ O-Fe ₂ O ₃ -P ₂ O ₅ -SiO ₂ Glass-ceramics
P046	Yuki Iwai, Naoya Yoshida, Toshinori Okura Preparation and Characterization of Metal-doped Calcium Phosphate
P047	Po-Chia Huang, Jow-Lay Huang, Sheng-Chang Wang SnS and SnS ₂ Nanocrystals as Effective Electrocatalysts for the Hydrogen Evolution Reaction

P048	Duong Thi Hong Phan, Le Minh Duc, Dao Hung Cuong Synthesis and mechanical properties of APTS (3-aminopropyl triethoxysilane) grafted TiO ₂ -epoxy nanocomposites
P049	Dinh Lam Nguyen, Thi Thuy Hang Phan A study on physico-mechanical and anticorrosive properties of chemically modified Graphene-based Epoxy nanocomposite coatings
P050	Phan The Anh, Dang Kim Hoang Preparation of nitrogen-doped carbon foam and its applications in waste oil treatment and photocatalyst
P051	Yuzo Itoh, Kei Nakahira, Tadatomo Kawai Analysis of high thermal conductivity mechanism of 2,7-naphthalene benzoate twin mesogen epoxy polymer that have alkyl chain length 4
P052	Yuzo Itoh, Yuta Abe, Tadatomo Kawai Analysis of high thermal conductivity mechanism of the phenyl benzoate twin-mesogen epoxy polymers with alkyl chain length of odd number
P053	Yuzo Itoh, Kentaro Goma, Tadatomo Kawai Study on higher order structure change of rubber material NBR after the high pressure hydrogen exposure by ab initio molecular orbital calculations
P054	Yuzo Itoh, Yusuke Suzuki, Tadatomo Kawai, Hirotsada Fujiwara, Shin Nishimura Study on the higher order structure changes of NBR rubber materials with different cross-linked densities after the high-pressure hydrogen exposure by FT-IR spectroscopy
P055	Shohei Shiimoto, Kazuo Yamaguchi, Motoyasu Kobayashi Specific Water Elongation Behavior on Micro-Patterned Polyelectrolyte Brush
P056	Haruka Koreeda, Tetsuo Sakamoto Development of ion beam by using electrospray for atmospheric SIMS
P057	Wen Ge, Yifan Jin, Taisong He Study on double pulsed nano Ni/ZrO ₂ functional gradient materials and high temperature corrosion performance
P058	Takahiro Onozawa, Keita Kanenari, Masato Morita, Tetsuo Sakamoto Development of a Method for TOF-SIMS analysis of Hydrated Single Cell

P059	Eri Tabata, Akinori Kashimura, Satoshi Wakita, Misa Ohno, Masayoshi Sakaguchi, Yasusato Sugahara, Fumitaka Oyama Chicken acidic chitinase can function as digestive enzyme which degrades chitin-containing organisms under its gastrointestinal tract
P060	Masahiro Kimura, Takatoshi Umeyama, Satoshi Wakita, Kazuaki Okawa, Masayoshi Sakaguchi, Fumitaka Oyama Comparative analysis of mouse mammalian chitinases and <i>Serratia marcescens</i> chitinase B
P061	Takashi Watanabe, Masahiro Kimura, Masayoshi Sekine, Masayoshi Sakaguchi, Fumitaka Oyama Characterization of <i>Escherichia coli</i> -produced mouse and human chitotriosidase proteins
P062	Satoshi Wakita, Masahiro Kimura, Masayoshi Sakaguchi, Yasusato Sugahara, Fumitaka Oyama Enzymatic properties of acidic mammalian chitinase under somatic tissue pH conditions
P063	Maiko Uehara, Eri Tabata, Misa Ohno, Masayoshi Sakaguchi, Fumitaka Oyama Gene expression analysis of chitinases by qPCR in crab-eating monkey tissues
P064	Nobuhiro Aburai, Hiroaki Kazama, Katsuya Abe Toward metabolic switching: directly-modulated biosyntheses of polyene metabolites in photosynthetic microorganisms
P065	Nobuyuki Yasuda, Nobuhiro Aburai, Katsuya Abe Synthesis and characterization of novel enzyme-CdS nanoparticles for photooxidation of NADH to NAD ⁺
P066	Kazushi Mita, Nobuhiro Aburai, Katsuya Abe Discovery of new antibacterial chlorophylls in colony of aerial microalgae
P067	Ken Tokunaga, Shota Nagasawa, Takahiro Kajiki, Yoichiro Ito, Ryo Akiyama Motion and Energy Conversion of Solvation Motor driven by a Reaction on the Surface
P068	Yuka Nakamura, Akira Yoshimori, Ryo Akiyama, Tsuyoshi Yamaguchi Solvation Effects on Diffusion of Macromolecule

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P069	Tomomi Sasaki, Osamu Ohno, Akira Asai, Osamu Takikawa, Kenji Matsuno Identification of kynurenine-production inhibitor from a marine cyanobacterium
P070	Masato Ono, Kenjiro Sugiyama, Masaharu Yamada Analysis of Quality Change in Ground Roasted Coffee Packaged with Nitrogen Gas Using ESR Spectroscopy
P071	Junichi Nakamura, Kenjiro Sugiyama, Masaharu Yamada Development of a Novel Observation Procedure for Gluten Microstructure in White Salted Noodles
P072	Kyouhei Inasaka, Masaharu Yamada, Kenjiro Sugiyama Functional analysis of ACR12 in the Arabidopsis root
P073	Keisuke Kakishima, Yusuke Takahashi, Shigehiro Hashimoto Deformation of Cell Passing through Micro-slit Made by Micro Machining
P074	Manabu Watanabe, Yusuke Takahashi, Shigehiro Hashimoto Myoblast Behavior around Surface Electrodes in Micro Flow Channel
P075	Yoshinori Hori, Yusuke Takahashi, Shigehiro Hashimoto, Kenta Sugimoto Measurement of Contraction Force of Single Myotube by Electric Stimulation Using Thin Film Device
P076	Yusei Kachi, Hiromi Sugimoto, Haruka Hino, Shigehiro Hashimoto Effect of Couette Type of Shear Flow on Migration of Cell
P077	Yusuke Nakano, Yusuke Takahashi, Shigehiro Hashimoto, Toshitaka Yasuda Deformability of Cell Passing through Single Micro Slit between Walls
P078	Tsubasa Ito, Takuya Tamura, Haruka Hino, Shigehiro Hashimoto Effect of Hyper Gravitational Force on Cells Cultured on Micro pattern
P079	Toshihiro Yamamoto, Haruka Hino, Shigehiro Hashimoto Electric Impedance of Cells Oriented on Micro-pattern
P080	Shingo Okuzumi, Haruka Hino, Shigehiro Hashimoto Effect of Flow on Cultured Cell at Micro-pattern
P081	Kazuto Nakano, Yongchol Shin, Yasutada Imamura Extracellular matrix in planarians
P082	Kazuma Matsui, Tomohiro Umezu, Junko H. Ohyashiki, Yutaka Fukuoka A Method to Extract Differential Mutations by Comparing Next Generation Sequencing Data from Two Conditions

P083	Paulus Shigwedha, Yuichi Kimura, Yutaka Fukuoka Improving the estimation of the distribution volume with Logan graphical analysis in PET receptor imaging by linear least-squares cubic regression method
P084	Yoshitaka Ota, Takeshi Tsutsumi, Yutaka Fukuoka Evaluation of Accuracy in Measurement of Torsional Eye Movement Using Video-oculography
P085	Chi-Sheng Chien, Ping-Kun Wu, Tsung-Yuan Kuo Production of fluorapatite coating on pure titanium surface by micro-arc oxidation
P086	Chi-Sheng Chien, Syuan-Ming Syu, Tsung-Yuan Kuo Formation the tantalum coating on titanium substrate surface by micro arc oxidation
P087	Katsuya Tajima, Satoshi Akanuma, Akiko Matsumoto-Akanuma, Daisuke Yamanaka, Ken-ichi Ishibashi, Yoshiyuki Adachi, Naohito Ohno Characteristics of a modified laccase on polyphenol polymerization and immunomodulating effect of the polymerized polyphenols
P088	Takashi Toyoshima, Ken-ichi Ishibashi, Daisuke Yamanaka, Yoshiyuki Adachi, Naohito Ohno Influence of exogenous β -glucan on morphology and antifungal susceptibility of <i>Aspergillus fumigatus</i>
P089	Kazumasa Mori, Masakazu Yotsugi, Motohide Aoki, Tatsuya Uchida, Hidetoshi Kumata, Tomonari Umemura Investigation of Diastereomeric Derivatization of Amino Acids on Solid-Phase
P090	Hidetoshi Fujita, Satoko Aratani, Maho Yokota, Toshihiro Nakajima Development of novel regulatory methods of mitochondrial functions
P091	Kohei Harada, Hiroki Miyauchi, Yuki Aota, Katsuhiko Okada, Shoko Fujiwara, Mikio Tsuzuki A new type of photobioreactor and possible usage of wastewater in the culture and phosphate recovery treatment
P092	Kentaro Hozumi, Jun Kumai, Fumihiko Katagiri, Yamato Kikkawa, Motoyoshi Nomizu Development of Laminin Active Peptide-Polysaccharide Matrices as Cell Adhesive Biomaterials

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P093	Thi Minh Hanh Truong, Thi Ngoc Thu Tran Optimization for extrating isoflavones from soybean by stirring method using ethanol
P094	Quoc Thien Pham, Hung-Ta Wang, Ming-Shing Tien, Nai-Shang Liou Measuring Mechanical Properties of Pear Flesh under Impact Load
P095	Yi-Chun Du, Shi-Han Chen, Cheng-Bang Shih, Ming-Jui Wu COMBINING PHYSIOLOGICAL AND DIALYSIS DATA TO MONITOR MULTI-BED PATIENTS DURING HEMODIALYSIS
P096	Yi-Chun Du, Ying-Yi Hsu, Cheng-Chang Yen DESIGN A HEADGEAR USING DICOM IMAGE FOR POSITIONING OF DEEP PENETRATING ELECTROMAGNETIC STIMULATION
P097	Tomohiro Watanabe, Tomoko Hashimoto, Osamu Ohno, Kazuyuki Furuta, Satoshi Tanaka, Kenji Matsuno Synthetic studies on GPR35 agonist without specific difference
P098	Hayato Yoshioka, Kazuo Yamaguchi, Motoyasu Kobayashi Effect of Fluoroalcohol on Atom Transfer Radical Polymerization of Styrene Derivatives
P099	Shin-ichiro Tanaka, Motoyasu Kobayashi Measurement of Molecular Interaction Forces of Biocompatible Poly(sulfobetaine) Brushes In Water
P100	Hiromasa Iwata, Minako Naito, Eiko Yasui, Masaaki Miyashita, Shinji Nagumo Synthesis of 26-Membered Lactone Moiety in Arenicolide A
P101	Jyunpei Tsuda, Eiko Yasui, Shinji Nagumo Synthesis of 1,2-Benzodiazepine Derivatives from Hydrazones derived from α -Diazoesters
P102	Masahiro Ozawa, Daisuke Katsumi, Eiko Yasui, Shinji Nagumo Synthetic Study of Sekothrixide
P103	Yuuki Sakata, Eiko Yasui, Shinji Nagumo Novel Tandem Cyclization Utilizing Acetylene Cobalt Complex
P104	Youhei Kamijyo, Sho Sunagawa, Eiko Yasui, Shinji Nagumo Synthetic study of Arenicolide C
P105	Masako Ishida, Toyoharu Kobayashi, Hideki Abe, Hisanaka Ito Studies toward Asymmetric Synthesis of Clavubicyclone
P106	Iori Takizawa, Toyoharu Kobayashi, Hideki Abe, Hisanaka Ito Asymmetric Total Synthesis and Structure Revision of Guignardones

P107	Toyoharu Kobayashi, Kotono Yamanoue, Hideki Abe, Hisanaka Ito Synthetic Study of Antitumor Diterpenoid Amijiols
P108	Masato Hanai, Saneyasu Yamaguchi, Aki Kobayashi Improving TCP Fairness with Large Dropping Probability in Modified CoDel
P109	Sho Uesugi, Hidetoshi Saito, Fumiko Akagi A Study on Partial Response Equalization Systems for Heat Assisted Magnetic Recording
P110	Masaya Ishikawa, Fumiko Akagi Relation Between High-Frequency AC Field and Heat Generated by Eddy Current
P111	Kento Kimura, Hidetoshi Saito A Study of the Relationship between Time Encoding/Decoding Complexities and Compression Ratios for Typical Universal Source Coding Algorithms
P112	Shinichi YONEZAWA, Hidetoshi SAITO A Method of Selecting Frozen Bits for Belief Propagation Decoding of Polar Codes
P113	Norihiro Naganuma, Kai Osawa, Hiroyuki Otsuka Throughput Performance of Adaptive Control CRE Based on UE Connection Ratio in HetNet Incorporating eICIC
P114	Ryota Nakao, Hiroyuki Otsuka Throughput Improvement by 3D Beamforming applied for a Backhaul Link in Time-Division Relaying
P115	Kai Osawa, Norihiro Naganuma, Hiroyuki Otsuka Throughput Performance of 256-QAM in Small Cell Environments
P116	Tomoki Ota, Hiroyuki Otsuka Performance Evaluation of OFDM-based 256- and 1024-QAM with Turbo Coding
P117	Ruxiao Tian, Tomoki Ota, Hiroyuki Otsuka OFDM-based 4096-QAM Transmission in Mobile Systems
P118	Hiroki Utatsu, Ryota Nakao, Hiroyuki Otsuka Fiber-optic Inband relaying against both Self- and Inter-cell Interference
P119	Koki Senda, Tomoki Ota, Hiroyuki Otsuka Superposed Modulation in Downlink NOMA

P120	Tetsushi Minami, Kanta Tachibana A Study on Observation Model of PHD Filter for Estimating Behavior of Bus Passenger
P121	Daiki Suzuki, Ken-ichi Baba A Path Selection Method Passing Around Highly Loaded Nodes Considering Network Topology
P122	Shota UCHIYAMA, Osamu MIZUNO A Study of Area Generalization for the Mitigation Information Providing System
P123	Kandai Mochizuki, Masafumi Koike, Osamu Mizuno The Data Cache Method applied for Data ID with Wild Card in Information-Centric Networking-based Wireless Sensor Network
P124	Yuki Morimitsu, Saneyasu Yamaguchi, Osamu Mizuno A STUDY ON REDUCTION OF NODE JOINING TIME BY CONTROLLING EXPIRETIMES
P125	Joichiro Kon, Kenji Nakashima, Saneyasu Yamaguchi A Large Block Filesystem for Improving I/O Performance of Secure Data Sharing and Distribution Platform
P126	Kenji Nakashima, Joichiro Kon, Saneyasu Yamaguchi I/O Performance Improvement on Modern Storage
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