Poster Session II
September 10 (Sun),13:00-14:30
【Inorganic/Analytical/Environmental Chemistry】

2P001 種々の水素源から生成可能な Ru(II)ヒドリド錯体の合成および反応性に及ぼす配位子の影響
○Asato Morihara, Tsugiko Takase, Dai Oyama

2P002 Synthesis of 1,8-Naphthyridine Bearing Cyclic Aminal Moieties and Its Application as a Ligand for the Synthesis of Multinuclear Copper Complexes
○Ayano Mitake, Takashi Komuro, Hisako Hashimoto

2P003 Effect of reduction degree of support of Pt/TiO_2 catalyst on NH_3 synthesis activity
○Shota Hioki, Chandan Subhash Chaudhari, Daisuke Kobayashi, Yuichi Manaka, Tetsuya Nanba

2P004 Synthesis, Structures, and Catalytic Activity of Silyl–NHC Chelate Iron Complexes
○Nozomu Ishiwata, Takashi Komuro, Hisako Hashimoto

2P005 Observation of the tau aggregation process in aqueous microdroplets
○Junka Kawakami, Taiki Ozawa, Gen Matsumoto, Mao Fukuyama

2P006 Developing a simplified PNA fluorogenic probe for Bacterial rRNA A-site targeting in FID assays
○Tianxue Han, En Ting Tabitha Lee, Yusuke Sato, Seiichi Nishizawa

2P007 Room Temperature Synthesis of High-Performance Red Light-Emitting Perovskite Quantum Dots without Polar Solvents
○Kenshin Yoshida, Naoaki Oshita, Satoshi Asakura, Takayuki Chiba, Akito Masuhara

2P008 Modulation of the luminescence property in Bi_2MoO_6:Eu nanophosphor induced by H_2S gas
○Taisei Hangai, Takuya Hasegawa, Ayahisa Okawa, Shu Yin

2P009 Synthesis and Exfoliation of Black Phosphorus for Gas Sensor Applications
○Naohiro Takamiya, Takuya Hasegawa, Ayahisa Okawa, Shu Yin

2P010 Effect of natural polymer on high-gradient magnetic separation of bentonite-Fe_3O_4 aggregates
○Ryota Nanba, Ayano Nakamura, Yusuke Sato, Kenji Murakami

2P011 Synthesis and Property of Organoimido Hexamolybdate and Its Application to Photocatalytic Reaction
○Masaki Kajiwara, Koichi Nagata, Hisako Hashimoto

2P012 Microfluidic devices immersed in water for long-time observation of alpha-synuclein aggregation
○Anri Sato, Taiki Ozawa, Keisuke Yuzu, Yumiko Ohashi, Eri Chatani, Mao Fukuyama

2P013 Photothermal conversion of $W_{18}O_{49}$ with infrared absorption ability
○Takashi Shimoda, Takuya Hasegawa, Ayahisa Okawa, Shu Yin

2P014 Droplet-free digital enzyme-linked immunosorbent assay based on electrochemiluminescence
○Shuri Nakamura, Kentaro Ito, Kumi Inoue, Kosuke Ino, Hitoshi Shiku

2P015 Development of Nano-gels Loaded with Lanthanide-Thiacalix[4]arene Complex for Imaging and Therapeutic Agents
○Nanaho Shindo, Ryota Sawamura, Ryunosuke Karashimada, Nobuhiko Iki

2P016 Development of Albumin Nano Particles Installed with Gd(III)-Thiacalixarene Complex for Gd-NCT ー Investigation of installing method and *in vitro* assay
○Kohei Ohama, Miku Komiya, Ryota Sawamura, Ryunosuke Karashimada, Minoru Suzuki, Nobuhiko Iki

2P017 Magnetic properties of iron oxide ultrasmall particles with a stable phase prepared without annealing process
○Yumi Ida, Kazutaka Sonobe, Makoto Tanabe, Kimihisa Yamamoto

2P018 Alkali metal dependence of yields of silver species formed by ionizing radiation in Ag-doped alkali aluminophosphate glasses
○Hiroki Kawamoto, Masanori Koshimizu, Yutaka Fujimoto, Keisuke Asai

2P019 Analysis of difference in energy-transfer efficiency by changing alkali metals on phosphate inorganic glass scintillaotrs for gamma and X-ray detection
○Yusuke Nakabayashi, Yutaka Fujimoto, Masanori Koshimizu, Hiroki Kawamoto, Keisuke Asai

2P020 Neutron-induced thermoluminescence of rare-earth-doped B_2O_3–Na_2O–CaO–P_2O_5 glasses
○Hiroto Yamaguchi, Masanori Koshimizu, Yutaka Fujimoto, Hiroki Kawamoto, Genichiro Wakabayashi, Keisuke Asai

2P021 Fabrication of Ce^{3+}-doped $LiPO_3$-$Al(PO_3)_3$ glass for neutron detection
○Ko Hasegawa, Yusuke Nakabayashi, Akito Watanabe, Yutaka Fujimoto, Hiroki Kawamoto, Keisuke Asai

2P022 Synthesis and surface modification of Tungsten Disulfide (WS_2) Nanoparticles
○Rini Larasati, Ayahisa Okawa, Takuya Hasegawa, Shu Yin

2P023 Development of trivalent cation-doped $TlCdCl_3$ crystal scintillators for X/gamma-ray detection
○Miyu Ishida, Akito Watanabe, Hiroki Kawamoto, Yutaka Fujimoto, Keisuke Asai

2P024 Photocatalytic water splitting using TaO_2F synthesized by a new route without usage of HF
○Pei-Hsuan Hung, Shunya Yoshino, Tomoaki Takayama, Mikiya Fujii, Hideki Kato

2P025 Epitaxial thin film growth and properties of perovskite-type Ir-doped $SrVO_3$
○Hongming Zhang, Masamichi Negishi, Dichi Oka, Tomoteru Fukumura

2P026 Application of $CuLi_{1/3}Ti_{2/3}O_2$ as a H_2-evolving photocatalyst to Z-scheme water splitting
○Qingshan Liu, Tanya Kurutach, Toshiki Yamanaka, Shunya Yoshino, Makoto Kobayashi, Hideki Kato

2P027 Measurement of Radiation-Induced Carbonate Radicals in Synthesized Hydroxyapatite
○Kenta Ono, Yusuke Mitsuyasu, Yasushi Kino, Takuma Yamashita, Masatoshi Suzuki, Rio Isobe, Atsushi Takahashi, Kenichi Okutsu, Hisashi Shinoda

2P028 Fabrication of Sb^{3+} -doped C_2HfCl_6 scintillator crystals via solution process
○Haruto Sasaki, Hiroki Kawamoto, Yutaka Fujimoto, Keisuke Asai

2P029 Solution process-based synthesis of $YMnO_3$ and its application as pigment
○Qiuyu Cheng, Ayahisa Okawa, Takuya Hasegawa, Shu Yin

【Physical Chemistry】

2P030 Long-distance intramolecular proton transfer of protonated 4-aminocinnamic acid in the gas phase
○Daiki Fuse, Kengo Tsunoda, Manabu Kanno, Keijiro Ohshimo, Fuminori Misaizu

2P031 Preparation, structure, and biphenyl hydrogenation performance of platinum and ruthenium nanosheets between graphite layers
○Satsuki Abe, Sakura Kudo, Etty Nurlia Kusumawati, Hidetaka Nanao, Masayuki Shirai

2P032 Direct observation of LLPS droplets of a tight junction protein ZO-1 using Raman-Brillouin imaging
○Kaichi Nagai, Ren Shibuya, Shinji Kajimoto, Shinya Tahara, Sayuki Hirano, Noriyuki Kinoshita, Naoto Ueno, Takakazu Nakabayashi

2P033 Preparation and structure of platinum nanowire in carbon nanotube
○Koya Sanyoshi, Satsuki Abe, Sakura Kudo, Etty Nurlia Kusumawati, Hidetaka Nanao, Hiroe Kiumura, Masayuki Shirai

2P034 Phase transition of camphor-camphorquinone plastic co-crystals investigated by using terahertz spectroscopy
○Reo Saito, Shinichi Yodokawa, Toru Kurabayashi, Runa Shimizu, Norihito Doki, Takenori Tanno

2P035 Quantitative visualization of chromatin condensation in living cells by Raman and Brillouin Imaging
○Masato Machida, Atsushi Shibata, Kentaro Fujii, Shinji Kajimoto, Takakazu Nakabayashi

2P036 Structural studies of dibenzo-crown-ether complexes with NH_4^+ ion by cryogenic ion mobility-mass spectrometry
○Kyosuke Watanabe, Ryosuke Ito, Keijiro Ohshimo, Fuminori Misaizu

2P037 Hydrogen-bonded organic framework based on pi-expanded tetra[2,3]thienylene
○Genki Saito, Takashi Takeda, Shun Dekura, Tomoyuki Akutagawa

2P038 Structures of silver fluoride cluster cations studied by ion mobility-mass spectrometry
○Yuta Naruse, Hiroya Sakakura, Yuto Nakajima, Keijiro Ohshimo, Fuminori Misaizu

2P039 Photochromism of blue cyanine dye derivatives
○Takahito Saito, Yoshio Saito, Ryuzi Katoh

2P040 Electron transfer mechanism at liquid/liquid interfaces revealed by multi-dimensional free energy analyses
○Tomonori Hirano, Akihiro Morita

2P041 Effects of continuous supply of Aβ on model cell membrane
○Naoto Oishi, Akane Adachi, Hideki Nabika

2P042 Evaluation of intracellular concentration distribution of poorly water-soluble drugs using Raman imaging
○Keisuke Koga, Lisa Kageyama, Yuta Yoshizaki, Takakazu Nakabayashi, Tomohiro Konno

2P043 Improvement of dosimetry properties of poly(methyl methacrylate) films doped with fluoran dyes via the addition of sensitizers
○Toshiya Endo, Masanori Koshimizu, Yutaka Fujimoto, Hiroki Kawamoto, Keisuke Asai

2P044 Effect of alcohol on luminescence properties of rutile-TiO_2 photocatalysts
○Takeru Saito, Yuuki Tomitsuka, Ryuzi Katoh

2P045 Effect of alcohol on luminescence properties of anatase-TiO_2 photocatalysts
○Yuuki Tomitsuka, Takeru Saito, Ryuzi Katoh

2P046 Fluorescence of phenanthrene in molten state
○Atsuyoshi Mori, Ryuzi Katoh

2P047 Relationship of C≡N bond lengths and its stretching frequency of acetonitrile molecule in the liquid state
○Tomoharu Oji, Yasuo Kameda, Yuko Amo, Takeshi Usuki, Kazutaka Ikeda, Takashi Honda, Toshiya Otomo

2P207 Structure and physical property of chiral dual-rotator type plastic crystal
○Chisato Sato, Takashi Takeda, Shun Dekura, Tomoyuki Akutagawa

【Organic Chemistry】

2P048 Heat-set gel formation and drug release using amphiphilic steroid derivatives
○Daiki Miyashita, Kazuaki Ito

2P049 Synthesis and thermo-responsive properties of amphiphilic cholesterol derivatives
○Maho Araki, Kazuaki Ito

2P050 Structures of new tricyclic guanidino compounds from toxic newt and phosphotriesters from bacteria
○Yuta Kudo, Charles Hanifin, Keiichi Konoki, Mari Yotsu-Yamashita

2P051 Aggregation Behavior and Cation Capture Ability of Ferrocene Surfactant Containing Crown Ether
○Wei Li, Tatsuro Kijima

2P052 Construction of Catalytic Target RNA Cleavage Function Installed Chimeric Artificial Nucleic Acids (CANA) toward Development of COVID-19 Treatments

○Kazutoshi Fujita, Nozomu Ishiwata, Masahito Inagaki, Masaki Nishijima, Hironori Hayashi, Yu Mikame, Yasuyuki Araki, Tsuyoshi Yamamoto, Asako Yamayoshi, Eiichi Kodama, Takehiko Wada

2P053 Synthesis of Functionalized Benzonitriles by Beckmann Fragmentation of Benzocyclobutenone Oxime Sulfonates
○Nanase Tsuji, Akihiro Simizu, Taku Imaizumi, Juri Sakata, Hidetoshi Tokuyama

2P054 Environmental Friendly Lactamization of Alkenyl Carboxylic Acids using HY-Zeolite Inclusion
○Hiroki Shinomiya, Yasunao Kuriyama

2P055 A new method for construction of 2-pyrone skeleton
○Ryoma Mori, Atsuo Nakazaki

2P056 Asymmetric Michael reaction with organocatalyst
○Riku Fukami, Konstantinos Daskalakis, Satrajit Indu, Yujiro Hayashi

2P057 Synthetic study of (—)-morphine using an organocatalytic domino reaction
○Yutaro Hatano, Naoki Mori, Yujiro Hayashi

2P058 Development of Pt Catalysts for Oxidation of 1,2-Cyclohexanediol to 2-Hydroxycyclohexanone
○Naomichi Takahashi, Yoshinao Nakagawa, Mizuho Yabushita, Keiichi Tomishige

2P059 *endo*-selective thia-Michael addition of thiols to (-)-levoglucosenone: an inversion of classical *exo*-selectivity
○Reo Hasegawa, Atsushi Tahara, Takayuki Doi

2P060 Synthesis of Nitriles via Amide Dehydration Catalyzed by Silica-Supported Molybdenum Oxide
○Guowei Yuan, Yo-hei Nagasaki, Masazumi Tamura, Mizuho Yabushita, Yoshinao Nakagawa, Keiichi Tomishige

2P061 Direct *N*-Methylation of Ethylenediamine with CO_2 and H_2 over Carbon-Supported Rhenium-Iridium Catalyst
○Min Wang, Daigo Kanemaru, Mizuho Yabushita, Yoshinao Nakagawa, Keiichi Tomishige

2P062 Construction of anticancer agents by photo-triggered cyclization reaction under physiological conditions
○Arisa Kawamori, Hidenori Okamura, Momoka Iida, Yui Kaneyama, Mamiko Ozawa, Fumi Nagatsugi

2P063 Development of unnatural nucleosides for reversible control of DNA duplex formation by host-guest interaction
○Takeyuki Yao, Hidenori Okamura, Fumi Nagatsugi

2P064 Design and synthesis of unnatural base pairs composed of alkynylated purine and pyridone nucleosides
○Wenjue Fan, Hidenori Okamura, Fumi Nagatsugi

2P065 Synthesis and Membrane Transports of Ditopic Receptors
○Chieri Sato, Shin-ichi Kondo

2P066 Synthesis of bicyclic carbamate from CO_2-captured 2-aminocyclohexanol over CeO_2 catalyst
○Hiroki Sato, Mizuho Yabushita, Yoshinao Nakagawa, Keiichi Tomishige

2P067 Chemoenzymatic synthesis of fluorinated dolabellane skeleton for expanding structural diversity
○Hikaru Sekiya, Akihiro Sugawara, Yohei Morishita, Taro Ozaki, Teigo Asai

2P068 Preparation of vinyl handles as the C-terminal protecting groups and its application for peptide synthesis
○Kengo Hada, Ayaka Okawara, Reiko Kurotani, Hiroyuki Konno

2P069 Synthetic Studies on (+)-Normacusine B
Sota Nishimuro, ○Keita Moriyasu, Hirofumi Ueda, Hidetoshi Tokuyama

2P070 Alcohol Oxidation Promoted by Nitroxyl Radical/Scandium Cooperative Catalysis
○Shuhei Akutsu, Yusuke Sasano, Mengxuan Zhang, Takeharu Yoshii, Haruki Shimabayashi, Yoshiharu Iwabuchi

2P071 Studies on the biosynthesis of hymeglusin, an HMG-CoA synthase inhibitor with a unique β-lactone ring
○Mizuki Hirokawa, Akihiro Sugawara, Yohei Morishita, Kento Tsukada, Taro Ozaki, Teigo Asai

2P072 Synthetic Study on a Pentasilicon Analog of Cyclopentadienide
○Tomoki Ishikawa, Shintaro Ishida, Takeaki Iwamoto

2P073 Synthetic studies towards sofosbuvir
○Hugo Alberto Salazar Gómez, Satrajit Indu, Yujiro Hayashi

2P074 Synthetic studies on petromyzestrosterol, a pheromonal steroid from enantiomerically pure tricyclic lactone
○Rio Terasawa, Atsuo Nakazaki

2P075 Cyanosilylation of Aryl Aldehydes by Silicon Porphyrin Complexes
○Keitaro Watanabe, Shintaro Ishida, Takeaki Iwamoto

2P076 Synthesis and Optical Properties of 3,8-Diarylazulenopyrones
○Nichika Sasahara, Taku Shoji, Ryuzi Katoh, Atom Hamasaki, Akira Ohta

2P077 Carboxylation reaction using alkylsilyl carbonates
○Kanta Shimotai, Ozora Sasamoto, Masanori Shigeno

2P078 Construction of Chimeric Artificial Nucleic Acids (CANA) toward Pancreatic Cancer Treatments by Inhibition of Transcription Factor BACH1
○Yuto Horiuchi, Nozomu Ishiwata, Kazutoshi Fujita, Masaki Nishijima, Yasuyuki Araki, Masaki Sato, Mitsuyo Matsumoto, Kazuhiko Igarashi, Takehiko Wada

2P079 Use of non-hydrogen reductants in deoxyhydration reaction over ReO_x/CeO_2
○Kirari Nakamura, Yoshinao Nakagawa, Mizuho Yabushita, Keiichi Tomishige

2P080 Total synthesis of azulene derivative, a blue pigment in an edible mushroom
○Kiyotaka Maruoka, Ryuju Suzuki, Takaaki Kamishima, Yoshitaka Koseki, Anh Thi Ngoc Dao, Toshihiro Murafuji, Hitoshi Kasai

2P081 Synthesis and Reactivity of an Si=B Species Containing a Bromo Substituent on Unsaturated Silicon Atom
○Naoki Sakurata, Taichi Koike, Takeaki Iwamoto

2P082 Suppression of hyperglycemia-induced insulin resistance by Rapanone isolated from *Connarus rubber*
○Satomi Kawaguchi, Yudai Kimura, Takanori Nakamura, Yu F Sasaki

2P083 Construction of Nonadjacent Stereogenic Centers through Enantioselective Addition Catalyzed by Chiral Strong Brønsted Base
○Rihaku Ojima, Sho Ishikawa, Azusa Kondoh, Masahiro Terada

2P084 Electronic effect of lower aromatic rings of Buchwald's ligands on reductive elimination
○Shunsuke Niita, Masaya Abe, Hisae Yoshida, Toshinobu Korenaga

2P085 Preparation and Reactions of 4,7- or 2,4,7-Multihalobenzo[*b*]thiophenes
○Keita Nakayama, Hiroki Kishi, Shinichi Mikami, Hiroki Tanaka, Kazuma Iwai, Hirotaka Mutoh, Kozo Toyota

2P086 Preparation and Characterization of Aromatic Multicomponent Crystals Containing Divalent Anions
○Kotaro Sato, Shuji Okada, Ryohei Yamakado

2P087 Crystal Structure and OFET Properties of Iodine-Containing Asymmetric Thienoacenes
○Mai Hasada, Amane Matsunaga, Kakeru Hasumi, Daisuke Kumaki, Shizuo Tokito, Makoto Mizukami, Hiroshi Katagiri

2P088 Highly active Pd catalyst for SMC reaction giving tri- or tetra-*ortho*-substituted biaryls
○Hikaru Obata, Satsuki Moriya, Yuto Sakaizawa, Toshinobu Korenaga

2P089 Study of Steric Effect in Ring-Closing Metathesis of Ene-ynamides
○Hideaki Wakamatsu, Mizuki Sato, Saya Matsuzaka, Ryoka Okamoto, Yuichi Yoshimura

2P090 Development of cubane C-H alkylation via photocatalytic generation of cubyl radical
○Masaki Hosaka, Shota Nagasawa, Yoshiharu Iwabuchi

2P091 Solvent-dependent thermochromism of a copper complex bearing a phosphinyl radical
○Yasuhiro Katayama, Shintaro Ishida, Takeaki Iwamoto

2P093 Exploration of tomato cytochrome P450s, jasmonoyl-L-isoleucine metabolizing enzymes, using yeast-based expression and activity evaluation system
○Toshiya Muto, Rina Saito, Sayaka Saito, Mai Morikawa, Takuya Kaji, Minoru Ueda

2P094 Aggregation Behavior and Viscosity Control of Ionic Ferrocene Surfactants
○Rika Kanaya, Kosei Sigehara, Yuki Takeda, Yuji Jimbo, Tatsuro Kijima

2P095 Target discovery of vancomycin dimers in vancomycin-resistant enterococci
○Yuki Inoue, Haruka Nishiki, Daiki Takahashi, Hirokazu Arimoto

2P096 Synthesis and Solid-State Polymerizability of Butadiyne Derivatives Directly Linked to (Dimethylamino) phenyl and Alkylthio Groups
○Hiroto Miura, Shuji Okada, Ryohei Yamakado

2P097 Synthesis of 3-benzylthio-furans utilizing [1,2]-phospha-brook rearrangement and their application to cyclization providing thieno[3,2-*b*]furans
○Kohei Aita, Azusa Kondoh, Masahiro Terada

2P098 Synthesis of authentic standard and identification of Δ^4-dn-*iso*-OPDA as a novel ancestral jasmonate in *Marcantia polymorpha*
○Hidenori Yoshimatu, Takuya Kaji, Andrea Chini, Wenting Liang, Kei Nozawa, Yuuho Nisizato, Roberto Solano, Minoru Ueda

2P099 Degradation of the osmoregulator in response to hypoosmolarity
○Daiki Watanabe, Yuki Ohara, Tsutomu Kishi

2P100 Isolation of optically active oximes containing selenium using chiral auxiliaries
○Tatsumi Kuroda, Hina Ito, Ai Konno, Tatsuro Kijima

2P101 Lewis acid-mediated Friedel-Crafts-type phosphination of alkenes in the presence of pyridine
○Yoshiki Ito, Shinya Tanaka, Daiki Tanaka, Daiki Hirata, Tetsutaro Hattori, Shuichi Oi

2P102 Anion Recognition by *P*-Chiral Phosphoric Triamides
○Seiichi Yoshino, Shin-ichi Kondo

2P103 Photoracemization of 4,4'-dimethoxy-2,2'-biphenanthrene-1,1'-diol : Effect of their analogs on the racemization behavior
○Kohei Maruyama, Yuya Ishiyama, Daiki Kanai, Yuichi Kitamoto, Tetsutaro Hattori

2P104 Separation of aromatic carboxylic acid regioisomers with crystals of a tetranuclear zinc(II) complex ligated by 6,6'-thiobis(4-*tert*-butyl-2-hydroxymethylphenol)
○Reon Sato, Keisuke Hara, Ikuko Miyoshi, Naoya Morohashi, Tetsutaro Hattori

2P105 Inclusion of organic molecules with crystals of zinc(II) complexes ligated by 2,2'-thiodiphenols
○Yui Shimokawara, Ai Takei, Yuto Watanabe, Mayu Suzuki, Keisuke Hara, Hitomi Sasaki, Naoya Morohashi, Tetsutaro Hattori

2P106 Borylation of alkenes catalyzed by rhodium(III) tetraphenylporphyrin (TPP): Controlling the competition between β-hydride elimination and reductive elimination
○Yuga Mizusawa, Takumu Koyama, Yuichi Kitamoto, Shinya Tanaka, Tetsutaro Hattori

2P108 Dephosphorylation of Sdu1, the osmoregulator in saccharomyces cerevisiae, during adaptation to hyperosmolarity
○Yuki Ohara, Daiki Watanabe, Tsutomu Kishi

2P109 Selective collection of hard metal ions from water with bis(tetramethylammonium) salt crystals of *p-tert*-butylcalix[4]arene-1,3-diphosphonic acid
○Ryuki Takahashi, Mayu Osawa, Naoya Morohashi, Tetsutaro Hattori

2P110 New Alzheimer's disease treatment nanoplatform based on the amyloid beta hypothesis
○Jaehoon Kim, Dokyoung Kim

2P111 Fragrance Hedione® (methyldihydrojasmonate) from D-Glucose
○Sanjay Kumar, Yoshitaka Koseki, Takaaki Kamishima, Hitoshi Kasai

2P112 Preparation of nanoparticles from triphenylboranes bridged by oxo and phenylimino groups and evaluation of their photophysical properties and cell viability
○Ikumi Koyama, Yuichi Kitamoto, Yoshitaka Koseki, Asuka Mizutani, Hitoshi Kasai, Tetsutaro Hattori

2P113 Catalytic preparation of thiopyran derivatives through C-S and C-C bond formations

○Taichi Inaba, Maki Minakawa

2P114 $Bi(OTf)_3$-Catalyzed Allylation/Cyclization Reactions of Phenols with Allyl Alcohols
○Shuya Sato, Maki Minakawa

2P115 Synthetic Studies on (±)-Emetine Based on Desymmetrization Strategy
○Yusuke Ueda, Hirofumi Ueda, Hidetoshi Tokuyama

2P206 Development of Nitrobenzoxadiazole-based Fluorescent probes for Real-Time Visualization of Human Glioblastoma
○Jong Min An, Dokyoung Kim

【Chemical Engineering】

2P116 Effect of extraction conditions on supercritical CO_2 extraction of rice bran oil
○Kaori Sakurai, Sayaka Saito, Chinatsu Yoshida, Yuya Hiraga, Atsushi Kishita, Masaru Watanabe

2P117 Wood-Derived Graphitic Carbon for LIB Anodes through Hydrothermal Iron-Catalytic Graphitization
○Futa Imaizumi, Yuta Nakayasu, Yuji Kawaguchi, Takashi Itoh, Masaru Watanabe

2P118 Hydrothermal conversion of commercial and real waste polycarbonates
○Rintaro Sato, Qingxin Zhen, Masaru Watanabe

2P119 Mechanically Tough Carbon Monoliths with Aligned Micro-Channels
○Minghao Liu,Rui Tang, Hirotaka Nakatsuji, Zheng-Ze Pan, Mao Ohwada, Hirotomo Nishihara

2P120 Selective alcohol synthesis by green oxidation with water on metal oxide catalysts
○Masataka Ono, Kousuke Hiromori, Naomi Shibasaki-Kitakawa, Atsushi Takahashi

2P121 Hydrocarbon synthesis from organic acid salts by electrochemical decarboxylation
○Yoichi Konno, Atsushi Takahashi, Naomi Shibasaki-Kitakawa, Kousuke Hiromori

【Polymer Chemistry/Fiber Science】

2P122 Preparation of stimuli-responsive and cytocompatible polymeric solubilizer with phenylboronic acid moiety to reversible binding for polyphenol compounds
○Ryoko Hosaka, Yuta Yoshizaki, Tomohiro Konno

2P123 Solubilization of poorly soluble drugs using cell-penetrative amphiphilic phospholipid polymers
○Yuki Harada, Yuta Yoshizaki, Tomohiro Konno

2P124 Lamella Formation Dynamics in poly (*N*-dodecyl acrylamide) Film by Humid Annealing
○Yuki Koizumi, Hinako Ebe, Syusaku Nagano, Jun Matsui

2P125 Preparation and Ion Current Rectification of Ionic Diodes with Porous Hybrid Thin Films
○Narumi Kumakura, Yuya Ishizaki, Shunsuke Yamamoto, Masaya Mitsuishi

2P126 Enzyme preparation and crystallization of nitrile hydratase for time-resolved serial femtosecond X-ray crystallography
○Shinpei Washiya, Shinnosuke Suzuki, Yoshito Fujii, Hirotoshi Matsumura, Masafumi Odaka

2P127 Structural studies of a novel 5-aminosalicylic acid target protein for anti-inflammatory bowel diseases
○Kazuya Itoh, Yumi Kariya, Hideki Wakui, Masafumi Odaka, Hirotoshi Matsumura

2P128 Metal-Free Synthesis of Cross-linkable Poly(Silyl Ether)s
○Naoki Yoshida, Kenta Yamamoto, Huie Zhu, Masaya Mitsuishi

2P129 Dynamic Covalent Siloxane Network Formation with Boronic Acid Ester Linkages
○Kan Aoki, Soyeon Kim, Masaya Mitsuishi

2P130 Development of bio-inspired underwater adhesive and thermo-responsive hydrogels for biodevices

○Daichi Yoshihara, Hiroya Abe, Daigo Terutsuki, Matsuhiko Nishizawa

2P131 Order-order transition of self-assembled lamellar structure in amphiphilic copolymer induced by Hydration-Dehydration process
○Mao Kikuchi, Mizuki Ohke, Hinako Ebe, Shusaku Nagano, Shotaro Nishitsuji, Jun Matsui

2P133 Investigation of phospholipid polymer biointerface for non-inversive cell separation using the affinity of phenylboronic acid to cell membrane glycans
○Masaki Harada, Yuta Yoshizaki, Tomohiro Konno

2P134 Metal-organic framework assemblies on PEDOT:PSS films through layer-by-layer technique
○Sonosuke Watanabe, Shunsuke Yamamoto, Masaya Mitsuishi

2P135 Silver nanoparticle makes Janus metallic film with gold luster using poly(dopamine acrylamide) thin film
○Mizuki Ohke, Ryoichi Akaishi, Kyoka Tachibana, Michinari Kohri, Syusaku Nagano, Hinako Ebe, Jun Matsui

2P136 Analysis of antiviral activities of cationic polysiloxane polymers against bacteriophage phi6
○Tenma Shibazaki, Itsuki Taniguchi, Tsukasa Ichikawa, Nobukatsu Nemoto, Nobutaka Hirano, Mitsuru Haruki

2P137 Synthesis of Heat-resistant and Transparent Polyarylenes Containing Adamantane Units
○Ren Yokoyama, Yamato Habuta, Katsuya Maeyama

2P139 Functionalization of PNIPAM hydrogels with cellulose nanomaterials
○Yu Maekawa, Masaya Mitsuishi

2P140 Cellulose nanocrystal building blocks for composite film formation
○Daichi Kobayashi, Masaya Mitsuishi

2P141 Creation of P(DMAA-co-EA) Gel Fibers Using Photo-reactive Electrospinning
Hiroto Sakurai, Yuta Kawanishi, Taisuke Nigou, ○Jin Gong

2P142 Improvement of Biodegradability of PCL by Adding Violet Snail Mucus Bubble
○Koh Yoshida, Sayaka Teramoto, Jin Gong, Yutaka Kobayashi, Hiroshi Ito

2P143 Preparation of NIPAM/Styrenesulfonic Acid Copolymers for PEDOT:PSS Blend Films
○Kotaro Nara, Shunsuke Yamamoto, Masaya Mitsuishi

2P144 PDMAA Gel Nonwoven Fabric Produced by Photo-reactive Electrospinning Method
○Yuta Kawanishi, Taisuke Nigou, Jin Gong

2P145 Surface Modification of PEDOT:PSS Films with Anphiphilic Acrylamide Polymers
○Tadahiro Ishida, Shunsuke Yamamoto, Tokuji Miyashita, Masaya Mitsuishi

2P146 Structure change of poly(dodecyl acryl amide) nanoparticles from sphere to rectangular by humid annealing
○Taiki Nakashima, Mao Kikuchi, Ryuju Suzuki, Hitoshi Kasai, Hinako Ebe, Jun Matsui

【Materials Chemistry】

2P107 Bromine-substituted trithienosubporphyrazines
○Masashi Inoue, Kohsuke Kawabata, Kazuo Takimiya

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