

Poster Session I
September 8 (Fri), 15:15-16:45
【Inorganic/Analytical/Environmental Chemistry】

- 1P001 A Novel Platform for Exosome Analysis Based on Regulating the Capture and Release of the Vesicles with Porous Aluminum Oxide Membrane
○Masahiro Okada, Yusuke Sato, Tetsuji Itoh, Seiichi Nishizawa
- 1P002 One-Pot synthesis of Pyridine derivatives from Ammonium carbonate and Ethanol by Hydrotalcite-supported Nickel catalyst
○Fusuke Otaki, Chaudhari Chandan, Daisuke Kobayashi, Yuichi Manaka, Tetsuya Nanba
- 1P003 Precise preparation of subnano alloy particles encapsulated by a dendrimer and their catalytic applications
○Ryusuke Iijima, Makoto Tanabe, Kimihisa Yamamoto
- 1P004 Affect of chemical structure of hydrophilic group in betaine surfactant on the phase separation phenomenon
○Yuto Kusunoki, Willie Hinze, Yoshitaka Takagai
- 1P005 Effect of properties of Mg-Al layered double hydroxide intercalated with CO_3^{2-} on HCl removal
○Sayaka Nishitani, Tomohito Kameda, Shogo Kumagai, Yuko Saito, Koichi Mori, Ichiro Ito, Masahiro Suzuki, Toshiaki Yoshioka
- 1P006 CO_2 adsorption and conversion to ethylene urea using Zr-doped Mg-Al LDH
○Yota Kunii, Tomohito Kameda, Shogo Kumagai, Yuko Saito, Toshiaki Yoshioka
- 1P007 Synthesis of silver nanoparticles using DNA duplex containing cytosine-Ag(I)-cytosine base pairs
○Takenori Dairaku, Tetsuya Ono, Kentaro Yoshida, Jiro Kondo, Akita Ono, Yoshitomo Kashiwagi, Makoto Tanabe
- 1P008 Correlation between output characteristics of photovoltaic modules and encapsulant deterioration
○Takumi Yanagisawa, Shogo Kumagai, Kazuyuki Ise, Kentaro Takayama, Yuko Saito, Toshikazu Shiratori, Toshiaki Yoshioka
- 1P009 Evaluation of Wet Defluorination Process for Fluorine Circulation
○Riku Oda, Yuko Saito, Shogo Kumagai, Yoshinori Morita, Toshiaki Yoshioka
- 1P010 Supercritical Fluid Method for Synthesizing VO_2 (M) and Its Gas Sensing Performance
○Lei Miao, Yibei Xue, Takuya Hasegawa, Ayahisa Okawa, Shu Yin
- 1P011 Magnetization of compositionally-graded Ru- substituted LSMO epitaxial thin films
○Gaku Sato, Kenichi Kaminaga, Hiroshi Naganuma, Shingo Maruyama, Yuji Matsumoto
- 1P012 Morphology control of Eu^{3+} -activated layered molybdate phosphors
○Suzuka Noda, Takuya Hasegawa, Ayahisa Okawa, Shu Yin
- 1P013 Synthesis of stable Ru(III)-aqua complexes and effect of supporting ligands on their reactivities
○Chihiro Iwasaki, Tsugiko Takase, Daichi Sugawara, Tohru Wada, Dai Oyama
- 1P014 Development of large-scale analytical approaches for proximity-induced RNA alkylation
○Yutong Chen, Kazumitsu Onizuka, Kaoru Komatsu, Emi Miyashita, Hirohide Saito, Fumi Nagatsugi
- 1P015 Humidity control of reversible change of solid-liquid form in NaBH_4 thin films
○Takumi Sato, Kenichi Kaminaga, Shingo Maruyama, Yuji Matsumoto
- 1P016 Pyrolysis characteristics of different tire rubbers
○Kentaro Genda, Yuka Hirano, Shogo Kumagai, Yuko Saito, Marino Itoda, Akira Okuno, Seiichi Tahara, Masahiro Hojo, Toshiaki Yoshioka
- 1P017 Solvothermal synthesis of $\text{Y}(\text{OH})_3$ nanoparticles and their partial sulfidation to $\text{Y}_2\text{O}_2\text{S}$ under CS_2 gas flow

- Yuzuki Kanazawa, Masaki Matsubara, Atsushi Muramatsu, Kazunari Domen, Kiyoshi Kanie
- 1P018 Interface Engineering of Mofs derived $\text{Co}_3\text{O}_4/\text{Fe}_2\text{O}_3$ for Triethylamine Sensing.
○Huan Liu, Qingcai Chen, Takuya Hasegawa, Ayahisa Okawa, Shu Yin
- 1P019 Oxidation of triiron-sulfur cluster $(\text{C}_5\text{Me}_5)_3\text{Fe}_3\text{S}_5$
○Kohei Takata, Tsugiko Takase, Shinji Inomata
- 1P020 Temperature Related Gas Sensing Characteristics of $\text{Cs}_{0.33}\text{WO}_3$ via Water Controlled-release Solvothermal Process
○Qiuyu Jin, Lei Miao, Ayahisa Okawa, Takuya Hasegawa, Shu Yin
- 1P021 Crown ether functionalized mesoporous silica for cesium and strontium separation from aqueous waste matrices
○Rashedul Islam Ripon, Zinnat Ara Begum, Ismail M. M. Rahman
- 1P022 Effect of the transition metal addition to catalyst on the Nitric oxide conversion to ammonia
○Seiji Noguchi, Chandan Chaudhari, Daisuke Kobayashi, Tetsuya Nanba, Yuichi Manaka
- 1P023 Phase transition behavior and thermochromic properties of N-doped VO_2
○Yibei Xue, Lei Miao, Takuya Hasegawa, Ayahisa Okawa, Shu Yin
- 1P024 Synthesis and Structure of Zwitterionic Copper Complexes with Bidentate N-Al-N Ligands
○Tetsuya Otsuka, Koichi Nagata, Hisako Hashimoto
- 1P025 Investigation of luminescent properties in dinuclear lanthanide complexes with polyoxometalate ligand for imaging probes
○Motoki Nakahara, Megumi Tomoyama, Ryunosuke Karashimada, Nobuhiko Iki
- 1P026 Synthesis, Structure, and Redox Properties of a Windmill-Like Fe_7S_{12} Cluster
○Taiki Ono, Takashi Komuro, Hisako Hashimoto
- 1P027 Selective Recovery and Functionalization of Ni Using Primary Amines
○Kohei Ishida, Kazuya Matsumoto, Mitsutoshi Jikei
- 1P028 Electrochemiluminescence imaging and electrochemical impedance spectroscopy of cell adhesion
○Kimiharu Oba, Kosuke Ino, Yoshinobu Utagawa, Hiroya Abe, Hitoshi Shiku
- 1P029 N-Methylation of ethylenediamine with CO_2 and H_2 by rhodium catalysts.
○Daigo Kanemaru, Min Wang, Mizuho Yabushita, Yoshinao Nakagawa, Keiichi Tomishige
- 1P030 The Effect of Pretreatment on the Adhesion Strength of Copper Plating on Cyclo-olefin Polymer substrates
Jing Sang, ○Manatsu Horie, Sumio Aisawa, Hidetosi Hirahara

【Physical Chemistry】

- 1P031 Strength in the π -electron conjugation of phenylethynyl compounds spectroscopically determined: 1,4-diphenylbutadiyne and 1,4-bis(phenylethynyl)benzene
○Ryoko Suzuki, Kohei Chiba, Katsuhiko Okuyama
- 1P032 Non planarity of *trans-stilbene*: An exploration with the *spersonic-jet electronic spectroscopy*
○koheichiba, ryokosuzuki, Katsuhiko okuyama
- 1P033 Structures and Physical Properties of Charge Transfer Complexes Formed by ESIPT Molecule with Electron Donor Properties
○Toshitaka Tsushima, Takashi Takeda, Shun Dekura, Ken-ichi Sakai, Tomoyuki Akutagawa
- 1P034 Structure Selection Rules for Colloidal Crystals Based on Entropy Production Rate
○Kotori Tsushima, Takahiko Ban, Hideki Nabika
- 1P035 Formation of water/ CO_2 nanodispersions with highly-methylated nonionic amphiphiles for nanoparticle synthesis
○Hiroto Iizuka, Yudai Nitta, Shirin Alexander, Julian Eastoe, Masanobu Sagisaka
- 1P036 Solvation Structure of Na^+ in NaFSA-Propylene Carbonate Solutions

- Misaki Kowaguchi, Yasuo Kameda, Yuko Amo, Takeshi Usuki, Taku J Sato, Kazuhiro Nawa
- 1P037 Lowest frequency mode of the Raman susceptibility of LiNO₃-acetamide mixtures
○Koshi Ozama, Yuko Amo, Yasuo Kameda, Takeshi Usuki
- 1P038 The lowest frequency mode of the Raman susceptibility of 1,2,6-Hexanetriol
○Rikuto Imai, Koshi Ozama, Yuko Amo, Yasuo Kameda, Takeshi Usuki
- 1P039 Low-frequency Raman susceptibility of choline chloride and glycerol mixtures
○Riria Fukuyama, Yuko Amo, Yasuo Kameda, Takeshi Usuki
- 1P040 Low-frequency Raman susceptibility of choline chloride and water mixtures
○Kosuke Kyojuka, Yuko Amo, Yasuo Kameda, Takeshi Usuki
- 1P041 Effect of GM1 on aggregation process of Amyloid-β protein
○Kiyoko Fukase, Akane Adachi (Iida), Fumiya Sato, Hideki Nabika
- 1P042 Experimental measurements of the relationship between CO bond length and its stretching frequency of DMF molecule in the liquid state.
○Ryusei Ishigaki, Yasuo Kameda, Yuko Amon, Takeshi Usuki, Kazutaka Ikeda, Toshiya Otomo, Takashi Honda
- 1P043 Quantum chemical analysis of circular dichroism spectra for cyclic octa-nuclear complexes of chiral tripeptide ligands
○Keyun Wang, Naoki Kishimoto, Atsuya Muranaka, Ryosuke Miyake
- 1P044 Quantification of molecular crowding environment of intracellular LLPS droplets using Raman imaging
○Ren Shibuya, Shinji Kajimoto, Hideyuki Yaginuma, Tetsuto Ariyoshi, Yasushi Okada, Takakazu Nakabayashi
- 1P045 IR spectroscopy of OH···C Hydrogen bond on nonane-(H₂O)_n (n = 1-3)
○Shuma Ueno, Yoshiyuki Matsuda, Asuka Fujii
- 1P046 UV-Vis photodissociation of O₄⁺ studied by ion imaging technique
○Yu Watabe, Takumi Koshihara, Yuri Ito, Manabu Kanno, Keijihiro Ohshimo, Fuminori Misaizu
- 1P047 Different role of cholesterol and lanosterol on the interaction with amyloid β
○Kyohei Akiho, Fumiya Sato, Hideki Nabika
- 1P048 Experimental determination of O-D bond length and O-H stretching vibrational frequency of Methanol molecule in the liquid state.
○Sena Narita, Yasuo Kameda, Yuko Amo, Takeshi Usuki, Kazutaka Ikeda, Takashi Honda, Toshiya Otomo
- 1P049 The lowest frequency mode of Raman Susceptibility of Ethanol-water mixtures
○Kazuki Otani, Yuko Amo, Yasuo Kameda, Takeshi Usuki

【Organic Chemistry】

- 1P050 Synthesis of Heteroditopic Receptors with High Solubility and Lithium Chloride Selectivity
○Tsubasa Mimuro, Manabu Hirasawa, Shin-ichi Kondo
- 1P051 DMAPO/Boc₂O-mediated one-pot direct N-Acylation of less nucleophilic N-heterocycles with carboxylic acids
○Soma Shimizu, Atushi Umehara, Makoto Sasaki
- 1P052 Synthetic Studies on Chartelline C
○Haoran Xiong, Hirofumi Ueda, Hidetoshi Tokuyama
- 1P053 Synthetic studies on irijimasides using Ni-catalyzed ketone coupling
○Tomoya Suwa, Atsushi Umehara, Makoto Sasaki
- 1P054 Chem- and Site-selective C-H Functionalization of *N*-Aryl Glycine Derivatives via Iron Phthalocyanine-catalyzed Aerobic Oxidation
Kei Yoshida, ○Masato Yamanashi, Nagao Kobayashi, Hirofumi Ueda, Hidetoshi Tokuyama
- 1P055 Synthesis and emission properties of D-π-A molecules tetraphenylethylene unit as an electron-donor moiety

- Saho Onodera, Hiroki Muraoka
 1P056 Synthesis and emission properties of D- π -A molecules containing a 1,3,5-triazine ring as an electron-acceptor moiety
 - Nao Murakami, Hiroki Muraoka
- 1P057 Acetylation of D-glucose using acid anhydride and zinc halides
 - Maiki Kubota, Atsushi Kobayashi
- 1P058 Deoxydehydration of 1,4-Anhydroerythritol with MoO_x-Cu/TiO₂ Catalyst
 - Jianxing Gan, Yoshinao Nakagawa, Mizuho Yabushita, Keiichi Tomishige
- 1P059 Rutile-titania-supported iridium-iron catalysts for synthesizing secondary alcohols from biomass-derived vicinal diols
 - Ben Liu, Yoshinao Nakagawa, Mizuho Yabushita, Keiichi Tomishige
- 1P060 Studies toward the Total Synthesis of Portimine
 - Daisuke Sato, Atsushi Umehara, Makoto Sasaki
- 1P061 Iodine(III)-Mediated Three-Component Friedel-Crafts Alkenylation of (Hetero)arenes with Ynamides
 - Toya Nagata, Jun Kikuchi, Shingo Ito, Naohiko Yoshikai
- 1P062 Synthetic study of a putative biosynthetic intermediate of the paralytic shellfish toxin, saxitoxin
 - Ryosuke Hirozumi, Yuko Cho, Yuta Kudo, Keiichi Konoki, Kazuo Nagasawa, Mari Yotsu-Yamashita
- 1P063 Multisubstituted Enolates from Unactivated Alkynes: Oxyalkylenation of Alkynyl Enolates
 - Shuma Sasaki, Jun Kikuchi, Shingo Ito, Naohiko Yoshikai
- 1P064 *P*-Chiral Phosphoric Triamides for Chiral Anion Recognition
 - Hijiri Tanaka, Shin-ichi Kondo
- 1P065 Development of nucleic acids alkylating agents based on pyrimidine structure
 - Ping-Yun Lan, Kazumitsu Onizuka, Yutong Chen, Fumi Nagatsugi
- 1P066 Selection of aptamers for EGFR using a DNA library conjugated with EGFR-Binding Peptides.
 - Minaho Iwabuchi, Nobutaka Hirano, Mitsuru Haruki
- 1P067 Stereoselective Hydroxyallylation of Cyclopropenes via NHC Catalysis of Transient Organozinc Intermediates
 - Kento Tsukiji, Kazuya Kanemoto, Naohiko Yoshikai
- 1P068 Stereoselective synthesis of multisubstituted N-Vinylazoles via trans-Iodo(III)azolation of alkynes
 - Roi Nakajima, Jun Kikuchi, Shingo Ito, Naohiko Yoshikai
- 1P069 CeO₂-catalyzed direct esterification of alkylcarbamic acids with alcohols without excess CO₂
 - Shogen Mihara, Mizuho Yabushita, Yoshinao Nakagawa, Keiichi Tomishige
- 1P070 Synthetic Study for Stalobacin I
 - Kosuke Ohsawa, ○Tatsuya Inagaki, Takayuki Doi
- 1P071 N-Terminal Selective Peptide Coupling via [3+2] Cycloaddition Using Dehydroalanine Derivatives
 - Masaki Iwata, Kazuya Kanemoto, Naohiko Yoshikai
- 1P072 Cell-free protein synthesis of [FeFe] hydrogenase
 - Riki Saginuma, Naoko Okai, Mitsuru Haruki, Nobutaka Hirano
- 1P073 Highly Efficient Miyaura-Ishiyama Borylation of Deactivated Aryl Halides Using Low Catalyst Loadings
 - Soichiro Nomoto, ○Tenshiro Nishiue, Takashi Hoshi, Toshio Suzuki
- 1P074 Synthesis of azuleno[2,1-d]pyrimidones and pyrimidines bearing perfluoroalkyl function
 - Taku Shoji, Yukino Ariga, Ryuta Sekiguchi, Shunji Ito
- 1P075 Encapsulation of a multienzyme complex into a bacterial microcompartment in *Escherichia coli* cells.

- Yuya Watanabe, Rui Sasaki, Kazuki Ishiyama, Naoko Okai, Tsutomu Kishi, Mitsuru Haruki, Nobutaka Hirano
- 1P076 π -Lewis Acidic Metal Catalyzed Photochemical Flow Reaction via Activation of Alkynes
○Zen Iwasaki, Ryohei Yazaki, Ren Obayashi, Jun Kikuchi, Shigenobu Umemiya, Masahiro Terada
- 1P077 Effect of cherry blossom extract on skin aging induced by glycation in NITHC
○Chisato Tabata, Ayumi Yamamoto, Satomi Kawaguchi
- 1P078 Genomic gene integration mediated by serine-type phage integrases
○Yuki Murata, Naoko Okai, Mitsuru Haruki, Nobutaka Hirano
- 1P079 Analysis of synergistic effect generated by *Clostridium thermocellum* cellulosome
○Kodai Tsurui, Naoko Okai, Mitsuru Haruki, Nobutaka Hirano
- 1P080 Nonenzymatic racemization of amino acid esters with schiff bases in microaqueous media (微水溶媒系での schiff 塩基を用いたアミノ酸エステルの非酵素的ラセミ化)
○Sakura Kudo, Shigekazu Yano, Tatsuro Kijima
- 1P081 Immobilization of azoreductase on filter paper using cellulose-binding domains(セルロース結合ドメインを有するアゾ還元酵素の酵素同定)
○Madoka Hanaguruma, Yuichi Tomiyama, Shigekazu Yano, Tatsuro Kijima
- 1P082 Photocyclization of Highly Fluorinated Stilbenes
○Taiga Yamano, Takashi Murase
- 1P083 Synthetic study for cyclodepsipeptide Surfactin C₁
Kosuke Ohsawa, ○Kazuki Yonemitsu, Takayuki Doi
- 1P084 Circularly polarized TICT luminescence state from novel chiral compounds
○Obayashi Ren, Yasuyuki Araki, Yospanya Wijak, Reiko Oda, Takehiko Wada
- 1P085 Preparation of D-amino acid derivatives by dynamic kinetic resolution on Ni(II) chiral schiff bases
○Arina Nakano, Hiroki Moriwaki, Hiroyuki Konno
- 1P086 Synthetic Study for Plumisclerin A
Masaatsu Adachi, ○Akihiro Shimbo, Takayuki Doi
- 1P087 Synthesis and aggregation behavior of gemini surfactants containig ferrocene moiety(フェロセンを有するジェミニ型界面活性剤の合成とその会合挙動)
○Soma Hayasaka, Tatsuro Kijima
- 1P088 Electrochemical structure control of ferrocene-modified organic and inorganic hybrid vesicles(フェロセン修飾有機-無機ハイブリットベシクルの構造制御)
○Koudai Suzuki, Tatsuro Kijima
- 1P089 One-Pot Stereodivergent Synthesis of Cyclohexene Carbaldehydes via a Successive Two-Organocatalysts System
○Huazhuo Ban, Genki Kawauchi, Yujiro Hayashi
- 1P090 Synthesis and Properties of 10-Arylindeno[2,1-*a*]azulenes
○Daichi Ando, Akira Ohta, Atom Hamasaki, Taku Shoji, Ryuji Katoh
- 1P091 Selective hydrogenation of cinnamaldehyde to cinnamyl alcohol over Ir-FeO_x/TiO₂ under mild conditions
○Zhe Dong, Yoshinao Nakagawa, Mizuho Yabushita, Keiichi Tomishige
- 1P092 Construction of disruption mutant of cellulosomal endoglucanase gene in *Clostridium thermocellum*
○Takuro Tomita, Naoko Okai, Mitsuru Haruki, Nobutaka Hirano
- 1P093 Selective separation of branched alkane vapor using crystalline thiacalixarene assemblies with preorganized channels
○Manabu Yamada, Fumiya Uemura, Hiroshi Katagiri, Kazuhiko Akimoto, Fumio Hamada
- 1P094 Kinetic Study on H₂-driven Sequential Deoxydehydration and Hydrogenation of Erythritol over ReO_x-Pd/CeO₂
○Savitri Larasati, Ji Cao, Yoshinao Nakagawa, Mizuho Yabushita, Keiichi Tomishige
- 1P095 Di(2-ethyl)hexylamine as a non-asymmetric organocatalyst for the reactions of α,β -unsaturated aldehydes involving an iminium ion

- Xiaolei Han, Naoki Mori, Yujiro Hayashi
- 1P096 Palladium-catalyzed oxidative arylation of alkenes with aryltrimethylsilanes
○Tetsu Uemura, Shinya Tanaka, Shuichi Oi
- 1P097 Synthetic studies on Discorhabdin A by desymmetriation approach
○Shunta Kitao, Juri Sakata, Hidetoshi Tokuyama
- 1P098 Peptide synthesis from α -amido nitrile and cysteine
○Xiaoling Wang, Yujiro Hayashi
- 1P099 Bioactivity of downstream metabolites of cis-OPDA independent of canonical jasmonate signaling
○Yuho Nishizato, Rina Saito, Misuzu Nakayama, Tumugi Kitajima, Minoru Ueda
- 1P100 Epimerization of 1,4-anhydroerythritol by dehydrogenation + hydrogenation with supported metal catalysts
○Sota Komagata, Mizuho Yabushita, Yoshinao Nakagawa, Keiichi Tomishige
- 1P101 Total synthesis of (–)- α -kainic acid using organocatalyst
○Hinata Odaira, Naoki Mori, Yujiro Hayashi
- 1P102 Design of novel environmentally sensitive fluorescent nucleosides possessing flexible dihydroxypentyl skeleton
○Satoru Yugami, Yurino Oku, Yoshio Saito
- 1P103 La(OTf)₃-catalyzed regioselective intramolecular aminolysis of 3,4-epoxy amines
○Yuse Kuriyama, Shun-ichiro Uesugi, Yoshihiko Hoshino, Yusuke Sasano, Yoshiharu Iwabuchi
- 1P104 Selective hydrogenation of guaiacol to 2-methoxycyclohexanone over titania-supported Pd catalysts
○Youta Taniwaki, Yoshinao Nakagawa, Mizuho Yabushita, Keiichi Tomishige
- 1P105 CeO₂-Catalyzed Synthesis of Dialkyl Carbonates from CO₂ and Alcohols: Comparative Study between 2-Furonitrile and 2-Cyanopyridine as Dehydrants
○Zechen Li, Wen Sun, Peilang Li, Mizuho Yabushita, Yoshinao Nakagawa, Yuqi Wang, Akira Nakayama, Keiichi Tomishige
- 1P106 Synthetic Study on Right Segment of Solanoclepin A, a Hatching Agent of Potato Cyst Nematode
Masaatsu Adachi, ○Kenta Miyake, Takayuki Doi
- 1P107 Synthetic Studies on Aspidosperma Alkaloids via Asymmetric Synthesis of Bicyclic Segments
Kei Yoshida, Kosuke Okada, ○Daiki Mihara, Hirofumi Ueda, Hidetoshi Tokuyama
- 1P108 Selective transformation amino group in amino alcohols over supported ruthenium catalyst
○Junpei Yamamoto, Mizuho Yabushita, Yoshinao Nakagawa, Tomishige Keiichi
- 1P109 In planta activity evaluation of jasmonate receptor subtype-specific ligands by GFP-reporter system
○Hikaru Hoshikawa, Wataru Kozaki, Haruyuki Urano, Yuho Nishizato, Yousuke Takaoka, Yuki Nukadzuka, Minoru Ueda
- 1P110 Toward the concise synthesis of (+)-crambescin B decarboxylate
○Yuki Yonekura, Atsuo Nakazaki
- 1P111 Synthetic Study of Highly Functionalized Clovane-Type Terpenoids
○Daigo Ninomiya, Shota Nagasawa, Yoshiharu Iwabuchi
- 1P112 Alcoholysis of aliphatic secondary amide into amine and ester over ZrO₂ catalyst
○Satoshi Tomita, Mizuho Yabushita, Yoshinao Nakagawa, Keiichi Tomishige
- 1P113 Derivatization of arbutin into fluorescent substrate with a coumarin skeleton in the aglycon moiety for the study of glycosidase activity
○Koki Takahashi, Taku Shoji, Atsushi Kobayashi
- 1P114 Electrophilic phosphination of arenes directed by pyridyl group
○Motochika Miyauchi, Shinya Tanaka, Shuichi Oi
- 1P115 Synthesis and Photophysical Properties of Azulene-fused Polycyclic Aromatic Compounds
○Naoko Sakata, Akira Ohta, Taku Shoji, Ryuzi Katoh

- 1P116 Ruthenium-catalyzed ortho-selective C–H/C–H cross-coupling reactions of aromatic compounds directed by pyridine andazole analogues
 ○Tatsuya Masuno, Hiroki Sasamoto, Shinya Tanaka, Shuichi Oi
- 1P117 Dicarboxylations of allylbenzenes by a combined Brønsted base
 ○Eito Toyama, Kazuya Hanasaka, Ozora Sasamoto, Masanori Shigeno, Yoshinori Kondo
- 1P118 Carbazole-embedded N,N-bridge-type triphenylboranes: Synthesis and evaluation of delayed fluorescence
 ○Nana Sakaida, Yuichi Kitamoto, Tetsutaro Hattori
- 1P119 Synthesis of interstrand-crosslinked nucleic acids using 2'-deoxythioguanosine-containing oligonucleotides
 ○Jamila Osman, Kazumitsu Onizuka, Ahmed Mostafa Abdelhady, Yuuhei Yamano, Fumi Nagatsugi
- 1P120 Development of metal phthalocyanine complexes for catalytic aerobic oxidations
 ○Keigo Machida, Hirofumi Ueda, Nagao Kobayashi, Hidetoshi Tokuyama

【Chemical Engineering】

- 1P121 Effect of Seaweed Char Addition on Steam Co-Gasification with Land-Based Biomass to Produce Hydrogen-Rich Gas
 ○Az Zahra Aghietyas Choirun, Hirozumi Okura, Viridi Chaerusani, Dong-jin Kang, Abudula Abuliti, Guoqing Guan
- 1P122 Catalytic upgrading of bio-oil derived from pyrolysis of torrefied giant miscanthus (*Miscanthus x giganteus*) over metal doped zeolites
 ○Viridi Chaerusani, Aghietyas Choirun Az Zahra, Dong-Jin Kang, Abudula Abuliti, Guoqing Guan
- 1P123 Purification of Monoammonium glycyrrhizinate by Batch Cooling Crystallization
 ○Chika Tashima, Takashi Hamawatari, Masaaki Yokota, Norihito Doki
- 1P124 Cocrystallization of Bipyridine/N-Acetyl-L-alanine and characterization of fluorescence properties
 ○Sota Ito, Masaaki Yokota, Norihito Doki
- 1P125 Design of Mesoporous Silica Nanoparticles for Enhanced tRNA Adsorption
 ○Daiki Oba, Keishi Suga, Kanako Watanabe, Daisuke Nagao
- 1P126 Raman spectroscopy for quantitative evaluation of CO₂ physical absorption in imidazolium-based ionic liquids
 ○Yuta Takikawa, Yuya Hiraga, Toshiyuki Nonaka, Masaru Watanabe
- 1P127 Study of hydrothermal degradation behavior of PET/PE mixed film by using a semi-batch system
 ○Yoshiki Suga, Qingxin Zheng, Masaru Watanabe
- 1P128 Eco-friendly Oxygen Reduction Reaction Catalyst via Two-step Hydrothermal Carbonization.
 ○Edwin O. Nyangau, Chie Ooka, Yuta Nakayasu, Hiroya Abe, Kazutoshi Haga Masaru Watanabe
- 1P129 Effect of shell structure of hollow silica particles on molecular diffusion from bulk liquid phase
 ○Hana Aizawa, Hikaru Namigata, Kanako Watanabe, Keishi Suga, Daisuke Nagao
- 1P130 Controllable graphene growth on ceria via low-temperature acetylene decomposition
 ○Mengxuan Zhang, Takeharu Yoshii, Hirotomo Nishihara
- 1P131 Aqueous dispersion stability and biocompatibility of size-controllable giant hollow carbon tubes modified by surfactant
 ○Peng Wang, Hirotaka Nakatsuji, Hirotomo Nishihara

- 1P132 Mechanism Analysis of Caffeine Extraction by Water Saturated Supercritical CO₂ from Coffee Beans
 ○Chinatsu Yoshida, Yuya Hiraga, Atsushi Kishita, Masaru Watanabe
- 1P133 Application of hydrothermal leaching process with organic acids on LiFePO₄ cathode materials
 ○Zixian Li, Qingxin Zheng, Masaru Watanabe
- 1P134 Measurement and correlation of liquid-liquid phase equilibrium in CO₂-ethanol-water ternary system
 ○Masato Urabe, Masaki Ota, Masaru Watanabe
- 1P135 Osmotic pressure and molecular weight estimation of hybrid nanoparticles with analytical centrifugation
 ○Yukina Takamura, Kotaro Oshima, Masaki Ota, Richard Smith, Hiroshi Inomata, Masaru Watanabe
- 1P136 Functionalization of magnetic composite particles by lipid coating for cancer therapy
 ○Taisei Suzuki, Keishi Suga, Kanako Watanabe, Daisuke Nagao
- 1P137 Biocompatible honeycomb monoliths with micro-meter-scale straight channels
 ○Mengli Tian, Hirotaka Nakatsuji, Hirotomo Nishihara
- 1P138 Chromatographic approach for cyclic carbonate synthesis between an epoxide and supercritical CO₂
 ○Yu Higashimura, Yuya Hiraga, Masaru Watanabe
- 1P139 Temperature and pressure dependence of high-pressure CO₂ on viscosity of 1-hexyl-3-methylimidazolium chloride
 ○Ryohei Otani, Yuya Hiraga, Toshiyuki Nonaka, Masaru Watanabe
- 1P140 Evaluation of thermal expansion coefficient and compressibility for organically modified nanoparticles
 ○Kei Sato, Yoshiyuki Sato, Taiki Homma, Masaki Ota, Hiroshi Inomata
- 1P141 Detailed evaluation of hydrophobicity in the vicinity of polymer particles
 ○Akira Nagasawa, Keishi Suga, Kanako Watanabe, Daisuke Nagao
- 1P142 Effect of Impurities on Batch Crystallization of Nickel Sulfate
 ○Keita Maruyama, Norihito Doki, Masaaki Yokota
- 1P143 Crystal Structure and Luminescence Properties of L-histidine Polymorph
 ○Karin Ozaki, Norihito Doki, Masaaki Yokota
- 1P144 Characterization of lipid cubic phase nanoparticles composed of Monoolein/Triolein/Pluronic F127
 ○Hinano Mori, Keishi Suga, Kanako Watanabe, Daisuke Nagao
- 1P145 Chiral recognition of amino acids using the color transition of polydiacetylene
 ○Tatsuya Kamata, Keishi Suga, Kanako Watanabe, Daisuke Nagao
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