

Poster Session III

September 30 (Mon), 10:30-12:00

【Inorganic/Analytical/Environmental Chemistry】

3P001 Air oxidation of cyclopentadienyl-supported diruthenium-sulfur complexes

○Marina Kanno, Shinji Inomata

3P002 Synthesis and structure of a cobalt-vanadium binuclear complex containing a bridged-edta ligand

○Yuta Takao, Tsugiko Takase, Shinji Inomata

3P003 Generation of silver nanoplate on a surface of silver oxalate crystal

○Shihoko Ojima, Takanari Togashi, Ibuki Sato, Katuhiko Kanaizuka, Masatomi Sakamoto, Masato Kurihara

3P004 Synthesis of water dispersible silver nanoparticles by the thermal decomposition of silver oxalate in homogeneous aqueous phase

○Kota Saito, Takanari Togashi, Ibuki Sato, Katsuhiko Kanaizuka, Masatomi Sakamoto, Masato Kurihara

3P005 Structure and Dielectric Properties of Protonated DABCO/[Ni(dmit)₂]⁻ Crystals

○Masaki Miyahara, Kazuya Kubo, Shin-ichiro Noro, Tomoyuki Akutagawa, Takayoshi Nakamura

3P006 Determination of anionic surfactants in environmental samples using sequential injection analysis with a microfluidic polymer chip with an embedded ion-selective electrode detector

○Takashi Masadome, Hiroaki Arai

3P007 The effect of process parameters on the size of ZnO nanoparticles synthesized by wet process

○Kousuke Sakusabe, Tomomichi Nishino

3P008 Crystal-Size-Dependent Guest Responsivity of Fe(II)M(II) Porous Coordination Polymers

○Akio Mishima, Ryo Ohtani, Tomomi Koshiyama, Susumu Kitagawa, Masaaki Ohba

3P009 Control of Water Oxidation Reaction by Lipophilic Ru Complex-Liposome Composites

○Koki Iwata, Tomoya Okamura, Tatsuru Hatae, Masaki Yoshida, shigeyuki Masaoka, Tomomi Koshiyama, Masaaki Ohba

3P010 Control of Pore Structures by Substitution of Pyridine Derivative Ligands in Porous Two-Dimensional Zinc(II) Complexes

○Kei Hasegawa, Shin-ichiro Noro, Kazuya Kubo, Takayoshi Nakamura

3P011 Insertion of single-molecule-magnets into Metal Organic Frameworks

○Shinichi Tomoguchi, Shinya Takaishi, Brian K Breedlove, Masahiro Yamashita

3P012 High catalytic performance of bcc Co-Fe alloy in the steam reforming of toluene with

hydrogen addition

○Tatsuhiko Kimura, Mitsuhiro Koike, Lei Wang, Yoshinao Nakagawa, Keiichi Tomishige

3P013 Role of the multi hydrogen-bonded organic-inorganic hybrid modules in formation of the supramolecular structures

○Shiori Yoshioka, Akira Fuyuhiro, Shinya Hayami, Satoshi Kawata

3P014 Characterization and Improvement of Biodiesel Fuel

Yumi Yamada, ○Akari Kanno, Tomoko Oyake, Hideyuki Tagaya

3P015 Synthesis and Properties of a Ruthenium(II) Complex Bearing a Xanthene-Based Silyl(thiolato) Chelate Ligand

○Takafumi Arai, Takashi Komuro, Hiromi Tobita

3P016 Reactivity of an (η^3 - α -Silabenzyl)molybdenum Complex toward Alkenes: Effects of Alkene Substituents on the Products

○Yuto Kanno, Takashi Komuro, Hiromi Tobita

3P017 Hydrosilylation of Arylalkynes Catalyzed by Ruthenium-Phosphine Complexes Having a Bis(silyl) Chelate Ligand "Xantsil": Comparison of Their Catalytic Performance Depending on Phosphine Ligands

○Takeo Kitano, Nathalie Mager, Takashi Komuro, Hiromi Tobita

3P018 Reactions of a Tungsten-Germylyne Complex with Alcohols, Aldehydes, and α,β -Unsaturated Carbonyl Compounds

○Tetsuya Fukuda, Hisako Hashimoto, Hiromi Tobita

3P019 Synthesis and Structure of an NHC-Stabilized Chlorogermylyne Complex and Chloride Abstraction from it

○Koya Inomata, Takahito Watanabe, Hiromi Tobita

3P020 Structure and magnetic properties of Hercynite synthesized by microwave irradiation

○Jun Fukushima, Yamato Hayashi, Hirotugu Takizawa

3P021 Elimination of cesium by hydroponic plants

○Eiichi Kitazume, Jyunya Nakadate

3P022 Synthesis of an NHC-Stabilized Hydrido(hydroborylene)tungsten Complex and Its Reactivity toward Alkenes and Alkynes

○Zeping Hui, Takahito Watanabe, Hiromi Tobita

3P023 Reactions of a Hydrogen-Bridged Bis(silylene) Tungsten Complex with Several Organic Substrates

○Katsuto Komura, Hisako Hashimoto, Hiromi Tobita

3P024 Synthesis and Reactivity of Hydrido(silylene)ruthenium Complexes : Formation of Novel η^3 -2-Aza-1-silaallyl Complexes in their Reactions with Arylnitriles

○Kimiaki Nishimura, Hisako Hashimoto, Hiromi Tobita

3P025 A molecular probe for recognizing the size of hydrophobic cavities based on near-infrared absorbing diradical-Pt^{II} complexes

○Kousaku Tamura, Atsuko Masuya, Hitoshi Hoshino, Nobuhiko Iki

3P026 Cs⁺-Adsorption Capacities of Prussian-Blue Depend on Nanoparticle Size and Number of Defect Sites

○Sayori Akiba, Asako Otani, Yuji Hoshi, Manabu Ishizaki, Katsuhiko Kanaizuka, Masato Kurihara, Masatomi Sakamoto, Tohru Kawamoto, Hisashi Tanaka

3P027 Synthesis and Characterization of Ferrocene-Appended Tetraazanaphthacene

○Kyosuke Isoda, Harufumi Haga, Kazuo Endo, Makoto Tadokoro

3P028 Reactions of Iron Methyl Complexes with Hydroboranes: Unexpected Formation of Polynuclear Iron Hydride Complexes

○Hirotugu Takahashi, Takahito Watanabe, Hiromi Tobita

3P029 Single-cell comprehensive gene expression analysis during cell differentiation

○Ikuma Fujisawa, Yuanshu Zhou, Kosuke Ino, Hitoshi Shiku, Tomokazu Matsue

3P030 LSI-based electrochemical chip device for high-speed and high-sensitivity bioimaging

○Yusuke Kanno, Kosuke Ino, Kumi Y. Inoue, Mustafa Şen, Ryota Kunikata, Atsushi Suda, Hitoshi Shiku, Tomokazu Matsue

3P031 Electrochemical detection of droplet array using a novel device with IDA electrodes

○Takehito Goto, Kosuke Ino, Yusuke Kanno, Hitoshi Shiku, Tomokazu Matsue

3P032 Selection of highly-differentiated cardiomyocyte from mouse embryonic stem cells based on non-invasive electrochemical measuring

○Toshiharu Arai, Hitoshi Shiku, Nana Aoki, Kosuke Ino, Tomokazu Matsue

3P033 MicroRNA expression analysis of HUVEC at single-cell level

○Kosuke Miyashita, Yuji Nashimoto, Yasufumi Takahashi, Kosuke Ino, Hitoshi Shiku, Tomokazu Matsue

3P034 Visual Colorimetry for Selenium(IV) by 3,3'-Diaminobenzidine on a Membrane Filter

○Yota Suzuki, Kimitoshi Sato, Kazuo Hirayama

3P035 Structure and characterization of the co-crystal constructed from hydrogen bonded mixed-valence complexes

○Atsushi Iioka, Koichiro Noguchi, You Suzuki, Tomoaki Sugaya, Kyosuke Isoda, Makoto Tadokoro

3P036 Dielectric Behavior of Rhenium Mixed-Valence Complexes Having Functionalities on Proton-Coupled Electron Transfer

○Makoto Yoshizawa, Tamotsu Furutachi, Kyosuke Isoda, Tomoyuki Akutagawa, Makoto Tadokoro

3P037 Water Molecular Clusters Confined to 1-D Nanoporous Channels Containing Polyoxometalate Building Blocks

○Kazuki Saito, Kyosuke Isoda, You Suzuki, Hiroshi Matsui, Makoto Tadokoro

3P038 Additive effect of secondary metals on Pd catalysts for liquid-phase total hydrogenation of furfural

○Kana Takada, Masazumi Tamura, Yoshinao Nakagawa, Keiichi Tomishige

3P039 Solid-and oil-separationin food processing wastewater using effect of micro-bubbles

○Shiho Tatehana, Susumu Takahashi

3P040 Optode for polyhexamethylene biguanide hydrochloride based on a lactone-form Rhodamine B Membrane

○Takashi Masadome, Hidekazu Ishikawa, Akane Funaki, Yuta Horikoshi

3P041 Quantitative analysis for ternary gases containing hydrogen using Raman spectroscopy

○Tomoya Kitayama, Yasushi Numata, Hiroyuki Tanaka

3P042 Quantitative analysis of solute in binary solution using Raman spectroscopy

○Ryutaro Suto, Yasushi Numata, Kenji Yamagishi, Hiroyuki Tanaka

3P043 Development of measuring method of molecular weight for oligosaccharide with Raman spectroscopy

○Takahiro Watanabe, Kyohei Kawasumi, Kenji Yamagishi, Yasushi Numata, Hiroyuki Tanaka

3P044 Hydrolysis of chitin to N-acetylglucosamine by microwave irradiation

○Soichiro Saito, Yasushi Numata, Hiroyuki Tanaka

3P045 Development of method for quantitative analysis of amino acid with Raman spectroscopy.

○Maria Otsuka, Kyohei Kawasumi, Kenji Yamagishi, Yasushi Numata, Hiroyuki Tanaka

3P240 Gold(III)removal by sorption and reduction using microorganisms

○Ichiro Maeda, Takehiko Tsuruta

【Physical Chemistry】

3P046 Comprehensive calculation of sum frequency generation spectroscopy including the bulk contribution from electric quadrupole

○Hiromi Sawai, Kazuya Shiratori, Tatsuya Ishiyama, Akihiro Morita

3P047 Molecular dynamics study of water transfer at supercooled sulfuric acid solution surface covered with butanol

○Suguru Sakaguchi, Akihiro Morita

3P048 Why is benzene soluble in water? - Role of the fluctuation of π electrons in aromatic solutes immersed in water. -

○Daiki Suzuoka, Shintaro Kimura, Hideaki Takahashi, Akihiro Morita

3P049 Free energy analyses for ATP hydrolysis using quantum mechanical /molecular mechanical simulations combined with a theory of solutions.

○Yuji Miki, Hideaki Takahashi, Akihiro Morita

3P050 Fabrication and characterization of self-organized two-dimensional diluted magnetic

semiconductors

○Kohei Kubota, Masanori Koshimizu, Hirotoshi Saito, Keisuke Asai

3P051 Selective Vibrational Mode Excitation of Fullerene C₆₀ by Intense Near-Infrared Pulses

○Kaoru Yamazaki, Naoyuki Niitsu, Takashi Nakamura, Manabu Kanno, Hirohiko Kono

3P052 Excess electron binding motif in negatively charged clusters of secondary amides studied by photoelectron spectroscopy

○Takuto Shimamori, Asuka Fujii, Toshihiko Maeyama

3P053 Infrared spectroscopy and theoretical calculations on the acidic CH of the diethylether cation

○Tomoya Endo, Yoshiyuki Matsuda, Asuka Fujii

3P054 Elucidation of surface acidity of trimethylamine water solution by computational method

○Yusuke Tabe, Nobuaki Kikkawa, Hideaki Takahashi, Akihiro Morita

3P055 Development of SFG analyzing software CALNOS and application of surface of methanol/water mixture

○Takashi Ishihara, Tatsuya Ishiyama, Akihiro Morita

3P056 Microsecond dynamics of ubiquitin folding detected by single molecule fluorescence spectroscopy

○Masataka Saito, Hsin-Liang Chen, Rita P.-Y. Chen, Kiyoto Kamagata, Hiroyuki Oikawa, Satoshi Takahashi

3P058 Direct observation of the multiple sliding modes of a tumor suppressor p53.

○Agato Murata, Risa Kashima, Yuji Itoh, Tkashi Tokino, Satoshi Takahashi, Kiyoto Kamagata

3P059 Temperature-jump induced light emission from water and organic solvents mixtures

○Shuichi Toyouchi, Shinji Kajimoto, Hiroshi Fukumura

3P060 Optical properties of Europium complex adsorbed on gold/silver/silica composite nanoparticles

○Tetsuro Oikawa, Kei Unoura, Hideki Nabika

3P061 Crystal structures of (fluorobenzylammonium)(dibenzo[18]crown-6)[Ni(dmit)₂] salts

○Daigoro Endo, Kazuya Kubo, Shin-ichiro Noro, Takayoshi Nakamura

3P062 Evaluation of pH at an Alumina-Water Interface Using SFA Fluorescence Spectroscopy

○Masataka Kawashima, Yuko Saito, Kyeong A Inomata, Motohiro Kasuya, Kazue Kurihara

3P063 Laser-polarization dependence of multi-photon excitation of molecules with spherical symmetry

○Nobuyoshi Inada, Manabu Kanno, Hirohiko Kono,

3P064 Vibrational Spectroscopic Response at Water/Vapor and Ice/Vapor Interfaces : Effect of Charge Transfer

○Tatsuya Ishiyama, Hideaki Takahashi, Akihiro Morita

3P065 Interference of two shape resonances probed by rescattering photoelectron spectroscopy of

CO₂

- Misaki Okunishi, R. Robert Lucchese, Toru Morishita, Kiyoshi Ueda
- 3P066 XFEL-induced deep inner-shell multi-photon multiple ionization and subsequent ultrafast charge migration in iodomethane and 5-iodouracil molecules
 - Koji Motomura, Edwin Kukk, Shin-ichi Wada, Kiyonobu Nagaya, Hironobu Fukuzawa, Subhendu Mondal, Tetsuya Tachibana, Yuta Ito, Ryosuke Koga, Tsukassa Sakai, Kenji Matsunami, Artem Rudenko, Christophe Nicolas, XiaoJing Liu, Catalin Miron, Yizhu Zhang, Yuhai Jiang, Jianhui Chen, Anand Mailam, Dong Eon Kim, Kensuke Tono, Yuichi Inubushi, Takaki Hatsui, Makina Yabashi, Makoto Yao, Kiyoshi Ueda
- 3P067 Hydration structure of Li⁺ studied by neutron diffraction with ⁶Li/⁷Li isotopic substitution method
 - Yasuo Kameda, Takuya Miyazaki, Yuko Amo, Takeshi Usuki

【Organic Chemistry】

- 3P068 Novel Glycosylation Based on Activation-First Strategy
 - Nozomi Sato, Masaki Ishihara, Masato Noguchi, Shin-ichiro Shoda
- 3P069 A novel method for α -selective glycosylation under reductive conditions using oligosaccharide donors
 - Gefei Li, Masaki Ishihara, Masato Noguchi, Shin-ichiro Shoda
- 3P070 New Solvolytic Glycosylation Promoted by Nascent Lewis Acid
 - Sachie Saito, Masato Noguchi, Shin-ichiro Shoda
- 3P071 Glycosylation of *N*-Acetylglucosamine under Reductive Conditions
 - Marina Nagaki, Yuka Takagi, Masato Noguchi, Shin-Ichiro Shoda
- 3P072 Synthesis of chitooligosaccharide derivatives using microreactor
 - Takafumi Tsutsumi, Naoki Yoshida, Masato Noguchi, Atsushi Kobayashi, Shin-ichiro Shoda
- 3P074 Biotransformation utilized *Botrytis cinerea* - Reduction reactions of ketonic compounds -
 - Takumi Kidachi, Masahiko Nagaki, Norimasa Ohya
- 3P075 Kinetic studies of *Micrococcus luteus* B-P26 undecaprenyl diphosphate synthase reaction using 3-desmethyl allylic substrate analogs
 - Masafumi Kadosaki, Hana Sato, Takeshi Nakamura, Norimasa Ohya
- 3P076 Cloning, expression and characterization of *cis*-prenyltransferase from *Lactarius volemus*
 - Takeshi Ieda, Takeshi Nakamura, Norimasa Ohya
- 3P077 Kinetic studies of IPP isomerase from *Ficus microcarpa*
 - Arisa Masuda, Takeshi Nakamura, Norimasa Ohya
- 3P078 Enzyme-catalyzed resolution of α -cyanohydrin derivatives
 - Ryo Mashiko, Yuri Nakazawa, Miho Kusakari, Bunpei Hatano, Satoshi Murakami, Tatsuro Kijima

3P079 Synthesis and properties of the alkyl ferrocenes with cation binding ability

○Xin Wang, Miho Kusakari, Bunpei Hatano, Satoshi Murakami, Tatsuro Kijima

3P080 Simulation Analysis of Chiral Recognition for Farnesyl Diphosphate Synthase from *Bacillus stearothermophilus*

○Petrus Yesaya Samori, Yasutaka Yoshida, Yui Adachi, Miho Kusakari, Satoshi Murakami, Bunpei Hatano, Norimasa Ohya, Tatsuro Kijima

3P081 Functions as nitroreductase activity by azoreductase from *Geobacillus stearothermophilus*

○Mei Suzuki, Toshihiko Ooi, Miho Kusakari, Bunpei Hatano, Satoshi Murakami, Tatsuro Kijima

3P082 ESR of Water Soluble Peroxyl Radical Generated from AIBN and Cyclodextrin

○Yu Saito, Koshi Nakajima, Tatsuya Shiyama, Tateaki Ogata, Tatsuro Kijima

3P083 Enzyme-catalyzed resolution of optically active cyclohexylidene derivatives

○Yasutaka Yoshida, Miho Kusakari, Bunpei Hatano, Satoshi Murakami, Tatsuro Kijima

3P084 Analysis of Reactivity of Geranylgeranyl Diphosphate Synthase with Substrate Analogs by Docking Simulation

○Hana Sato, Takeshi Nakamura, Yukino Miyagi-Inoue, Norimasa Ohya

3P085 Catalytic activity of farnesyl diphosphate synthase from *Solidago altissima*

○Chihiro Ishizawa, Takeshi Nakamura, Norimasa Ohya

3P086 Catalytic activity of geranylgeranyl diphosphate synthase from *Solidago altissima*

○Risa Sasaki, Takeshi Nakamura, Norimasa Ohya

3P088 Analysis of bacterial community in a hot-composting process

○Yusuke Nishimaki, Ryuichi Kobayashi, Koichi Kobayashi, Nobutaka Hirano, Mitsuru Haruki

3P089 Asymmetric Michael reaction of β -ketoesters catalyzed by alkali metal phenoxides of podand-type BINOL derivatives

○Toyohiro Otani, Wataru Namatame, Yasufumi Tamai

3P090 Synthetic study of peptide aldehyde via thioacetal

○Yoshihiro Sema, Hiroyuki Konno

3P091 Solid phase total synthesis of callipeltin M, linear octapeptide isolated from *Latrunculia* sp.

○Mari Kikuchi, Hiroyuki Konno

3P092 Synthesis and structure activity relationship study of BK-1097 analogues for the antifungal agents

○Kanako Abumi, Yusuke Otsuki, Shigekazu Yano, Hiroyuki Konno

3P093 Synthesis of new electron-deficient NHC ligands

○Hiromi Miyashita, Tetsuo Sato, Shuichi Oi

3P094 Synthesis and characterization of monovalent 9 group transition-metal ate complexes

○Hiroki Yashiki, Hisae Takano, Daisuke Kanno, Tetsuo Sato, Shuichi Oi

3P095 Sulfonylation of electron-rich heteroaromatic compounds promoted by copper(II) chloride

- Kento Omura, Atsushi Funada, Tetsuo Sato, Shuichi Oi
- 3P096 Synthesis of platinum complexes coordinated with bidentate carbene ligands
- Motoki Kon, Ryo Nakabayashi, Tetsuo Sato, Shuichi Oi
- 3P097 Palladium-catalyzed allylic alkenylation of allylic alcohols with alkenes
 - So Matsuyama, Tetsuo Sato, Shuichi Oi
- 3P098 Synthesis of Helicene-Based Phosphinite Ligands
 - Tetsuya Tsujihara, Nao Nozaki, Asako Jonai, Yubi Sato, Minoru Hatanaka, Takeyuki Suzuki
- 3P099 Synthetic Study of Pentalenic Acid via Thermal Intramolecular Cycloaddition of 4-Alkenylfulvene
 - Sho Inagaki, Shiori Takamura, Kohei Sato, Yoriko Asami, Minoru Hatanaka
- 3P100 Structure and properties of derivatives of sterically crowded triarylphosphines and arsines
 - Shigeru Sasaki, Katsuhide Sutoh, Kiyotoshi Kato, Yukihiro Yamamoto, Masatoshi Izawa, Yusuke Shimizu, Masaaki Yoshifuji, Noboru Morita
- 3P101 Pd-catalyzed dehydrogenative cross-coupling of benzo[*b*]thiophenes with simple arenes using CuCl₂ and Cu(OAc)₂ as oxidants
 - Kenji Funaki, Tetsuo Sato, Shuichi Oi
- 3P102 Palladium Catalyzed Three-Component Coupling of Ynamides
 - Hideaki Wakamatsu, Yuichi Yoshimura, Rika Yanagisawa, Ayano Takahashi, Yoshihiro Natori, Hiroki Takahata
- 3P103 Selective production of cyclohexanol from guaiacol over Ru catalyst combined with MgO
 - Momoko Ishikawa, Masazumi Tamura, Yoshinao Nakagawa, Keiichi Tomishige
- 3P104 Unsaturated alcohol synthesis from unsaturated aldehyde by selective hydrogenation over Ir-ReO_x/SiO₂ catalyst
 - Tokonami Kensuke, Tamura Masazumi, Nakagawa Yoshinao, Tomishige Keiichi
- 3P105 Synthesis of α -hydroxyketone from vicinal alcohols by selective dehydrogenation over Ir-ReO_x/SiO₂ catalyst
 - Hiraku Sato, Masazumi Tamura, Yoshinao Nakagawa, Keiichi Tomishige
- 3P106 Structure and performance of Rh-In/C for the amination of various alcohols with aqueous ammonia
 - Tsukasa Takanashi, Masazumi Tamura, Yoshinao Nakagawa, Keiichi Tomishige
- 3P107 Conversion of Sugar and Sugar Alcohols to *n*-Alkanes without C-C Cleavage Catalyzed by Ir-ReO_x/SiO₂ with H-ZSM-5
 - Daisuke Kanno, Kaiyou Chen, Masazumi Tamura, Zhenle Yuan, Yoshinao Nakagawa, Keiichi Tomishige
- 3P108 Nanoporous Metal-Catalyzed Hydrosilylation of Alkyne
 - Yoshifumi Ishikawa, Yoshinori Yamamoto, Naoki Asao

3P109 Nanoporous Gold Catalyst for Cross-Dehydrogenative Coupling Reaction *via* C-H bond Activation
○Hon Eong Ho, Tienan Jin, Naoki Asao, Yoshinori Yamamoto

3P110 Copper-Catalyzed Amination of Hydrofullerenes via C-H Functionalization

○Weili Si, Shirong Lu, Naoki Asao, Yoshinori Yamamoto, Tienan Jin

3P111 Synthesis of Amidodienes by Copper-Catalyzed Skeletal Rearrangement of *O*-Propargylic Oximes
○Yasuhiro Ishida, Itaru Nakamura, Masahiro Terada

3P112 Development of Chiral Brønsted Acid Catalyzed Petasis-Ferrier-Type Rearrangement and Its Theoretical Study
○Kyohei Kanomata, Yasunori Toda, Yukihiko Shibata, Masahiro Yamanaka, Ilya Gridnev, Masahiro Terada

3P113 Development of Novel Herically Chiral Spiro P3 Phosphazene Superbase Catalyst
○Masafumi Oishi, Kengo Goto, Tadahiro Takeda, Azusa Kondoh, Masahiro Terada

3P114 Synthesis of Spin-labeled Agricultural Chemical Analog
○Arata Watanabe, Tatsuro Kijima, Miho Kusakari, Satoshi Murakami, Shigeru Matsuba, Bunpei Hatano

3P115 Allylation of *N,N*-acetal Using Allylic Tin Reagent in Presence of Aluminum Chloride
○Xiaonan Sun, Tatsuro Kijima, Miho Kusakari, Satoshi Murakami, Shigeru Matsuba, Bunpei Hatano

3P116 Synthesis of TEIO Derivative and ESR Study
○Yousuke Saito, Tatsuro Kijima, Miho Kusakari, Satoshi Murakami, Shigeru Matsuba, Bunpei Hatano

3P117 Synthesis of an Oxo-Bridged Dinuclear Tungsten Complex via O-H Bond Activation of Water and Its Structure and Reactivity
○Hironobu Kono, Kwon Eunsang, Kozo Toyota, Hiroyuki Sakaba

3P118 Substituent and Solvent Effects on the Reactions of Acetylide-Silylene Tungsten Complexes with Acetone
○Keita Nakagawa, Kwon Eunsang, Kozo Toyota, Hiroyuki Sakaba

3P119 Coronatine derivatives for bioorganic studies on stomatal opening
○Ryo Tashita, Syusuke Egoshi, Minoru Ueda

3P120 Detection and Purification of Jasmonate Glucoside Target Protein
○Miyuki Shigenaga, Takahisa Genji, Yasuhiro Ishimaru, Minoru Ueda

3P121 Chemical biology of ouabagenin as a possible human endogenous ligand
○Haruka Oishi, Maiko Okada, Satoru Tamura, Minoru Ueda

3P122 Comprehensive analysis of potassium channels in *Samanea saman*

○ Tayaka Oikawa, Yasuhiro Ishimaru, Shin Hamamoto, Nobuyuki Uozumi, Minoru Ueda

3P123 Study on the Effects of Silyl Substituents of Diphenylprolinol Silyl Ethers in Organocatalyst-mediated Asymmetric Reactions

○ Daichi Okamura, Tatsuya Yamazaki, Yasuto Ameda, Hiroaki Gotoh, Yujiro Hayashi

3P124 Direct esterification and synthesis of oxazolines from aldehydes with pyridinium hydrobromide perbromide in water

○ Shinsei Sayama

3P125 Asymmetric Mannich Reaction of α -Ketoimines Catalyzed by Organocatalyst

○ Hiroki Shomura, Daisuke Sakamoto, Yujiro Hayashi

3P126 Asymmetric Aldol Reaction of Alkynyl Aldehyde Catalyzed by Diarylprolinol

○ Yuta Kanda, Masahiro Kojima, Yusuke Yasui, Itaru Sato, Yujiro Hayashi

3P127 Asymmetric formal [3+2] cycloaddition reaction of succinaldehyde via diarylprolinol-mediated domino aldol/acetalization reaction for the construction of tetrahydrofuran

○ Kentaro Nishino, Itaru Sato, Yujiro Hayashi

3P128 Concise Total Synthesis of Prostaglandin E₁ Methyl Ester

○ Shigenobu Umemiya, Yujiro Hayashi

3P129 Synthesis of 2,3-Dihydro-1,2,4-thiadiazoles and 1,2,4-Oxathiazoles through Oxidative Cyclization of 1,3-Thiaza-1,3-butadienes

○ Megumi Isogami, Kazuaki Shimada, Toshinobu Korenaga

3P130 Synthesis of Macroyclic Amidines through the Reaction of Alkanebisthioamides with a Silver Salt

○ Shingo Takano, Kazuaki Shimada, Toshinobu Korenaga

3P131 Low-temperature Rh-catalyzed Asymmetric 1,4-addition

Toshinobu Korenaga, ○Aram Ko, Kazuaki Shimada

3P132 Pd-catalyzed Intramolecular Direct Arylation: Acceleration of the Reaction by Electron-poor BFPy Phosphine Ligand

Toshinobu Korenaga, ○Noriki Suzuki, Kazuaki Shimada

3P239 One-Step Synthesis of α,β -Unsaturated Carbodichalcogenoate Esters from Propargyl Ethers

○ Fumiya Ishikawa, Kazuaki Shimada, Toshinobu Korenaga

3P241 Design of Chiral Brønsted Acid Catalyst Derived from Optically Active Amino Binaphthyl

○ Jun Kikuchi, Norie Momiyama, Masahiro Terada

【Supercritical Fluid Technology】

3P133 Control of temperature responsivity of anion exchange property of thermosensitive polymer / mesoporous silica composite

○ Yasuto Sato, Ruriko Kimura, Hideki Watanabe, Kenji Murakami

3P134 Effect of mesoporous silica catalyst on reforming of bio-oil model compound

○Sena Takahashi, Takahiro Oga, Nhu Y Khau Thi, Kenji Murakami

3P135 Preparation of PNIPAM/silica gel for column packing agent

○Hideki Watanabe, Ruriko Kimura, Yasuto Sato, Kenji Murakami

3P136 Reforming of the bio-oil by carbon-based catalyst

○Nhu Y Khau Thi, Sena Takahashi, Takahiro Oga, Kenji Murakami

3P137 Effects of hot compressed water on decomposition reactions at pressures up to 100 MPa

○Tatsuya Fujii, Rumiko Hayashi, Shin-ichiro Kawasaki, Akira Suzuki, Yoshito Oshima

3P138 Measurement and prediction of phase equilibria at low-pressure polymerization process of poly(ethylene-co-vinyl acetate)

○Takaaki Nakamura, Ayako Igarashi, Mizuki Murai, Yoshiyuki Sato, Hiroshi Inomata

3P139 Physicochemical Properties of Imidazolium-Based Ionic Liquid-Glyme Mixtures

○Takuya Shimomura, Daisuke Kodama, Takashi Makino, Mitsuhiro Kanakubo, Seiji Tsuzuki

3P140 Effect of irradiation conditions on conversion of microwave-heating esterification

○Masaki Kobayashi, Masahiro Tanji, Katsunori Sato, Kohei Fukukawa

3P141 Dehydration of fructose to HMF catalyzed by supported acidic ionic liquids in acetonitrile

○Takashi Okano, Kun Qiao, Daisuke Tomida, Hisahiro Hagiwara, Chiaki Yokoyama

3P142 Expression of *cis*-prenyltransferase from *Lactarius volemus* by baculovirus-infected insect cells

○Saki Yokota, Hitomi Mizumura, Takeshi Ieda, Takeshi Nakamura, Norimasa Ohya, Takeshi Gotoh

3P143 Efficient production of human angiotensin-converting enzyme 2 by Sf9 insect cells

○Mai Miyawaki, Kenta Tsuchida, Saki Yokota, Saori Takahashi, Satoru Nirasawa, Takeshi Gotoh

3P144 Measurement of solubility of supercritical CO₂ in allyl-based ionic liquid with a magnetic suspension balance apparatus

○Aya Kato, Yuya Hiraga, Yoshiyuki Sato, Taku Aida, Masaru Watanabe, Richard Lee Smith Jr.

3P145 Hydrothermal Treatment of Defatted Microalgae for Phosphorus and Nitrogen Recycle

○Ryoma Maruta, Momoko Kato, Taku Michael Aida, Masaki Ota, Richard Lee Smith Jr.

3P146 Effect of temperature on hydrothermal treatment of waste wood charcoal

○Yoshimasa Higashino, Masayuki Iguchi, Taku Michael Aida, Masaru Watanabe, Richard Lee Smith Jr.

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○Hiroyuki Komatsu, Masaki Ota, Masaru Watanabe, Yoshiyuki Sato, Richard Lee Smith Jr.

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