

◆ Asian International Symposium

【Physical Chemistry】

Date: March 24th (SUN) 13:00 - 16:50

Venue: Room G8 (PRISM HOUSE P114)

Chair: Kohichi IWATA

3G8-25 13:00 - 13:30 **Keynote Lecture:** Excited-state dynamics of Carotenoids studied by Ultrafast vibrational spectroscopy (Gwangju Institute of Science and Technology, Korea) Yoonsoo PANG

3G8-28 13:30 - 13:50 Invited Lecture: Ultrafast IR spectroscopic study on hydrogen bonding interaction of carbonyl compounds in solution (Tokyo Science Univ.) Motohiro Banno

Chair: Ken-ichi SAITOW

3G8-30 13:50 - 14:10 Invited Lecture: Charge transfer dynamics in solar cell materials by femtosecond transient absorption spectroscopy (AIST) Akihiro Furube

Chair: Hideki KANDORI

3G8-33 14:20 - 14:50 **Keynote Lecture:** Proton transfer reactions in biomolecules (Regional Centre for Biotechnology, India) Tushar Kanti MAITI

3G8-36 14:50 - 15:10 Invited Lecture: Mechanism of proton transfer in proteins (Kyoto Univ.) Hiroshi ISHIKITA

Chair: Hatsumi MORI

3G8-38 15:10 - 15:30 Invited Lecture: Thermopower of hole-proton mixed conductors (NIMS) Yuka KOBAYASHI

Chair: Hiroshi SEKIYA

3G8-41 15:40 - 16:10 **Keynote Lecture:** UV-UV hole burning spectroscopy of ions in a quadrupole ion trap (Chungbuk National Univ., Korea) Nam Joon KIM

Chair: Fuminori MISAIZU

3G8-44 16:10 - 16:30 Invited Lecture: Rearrangement and fluctuation of hydrogen bond in gaseous cluster cations (Kyushu Univ.) Kenji SAKOTA

Chair: Tatsuya TSUKUDA

3G8-46 16:30 - 16:50 Invited Lecture: Isomer-separated photodissociation of carbon and silicon cluster ions (Tohoku Univ.) Kiichirou KOYASU

【Photo Chemistry】

Date: March 24th (SUN) 10:00 - 17:30

Venue: Room A1 (CO-LEARNING HOUSE I C103)

Chair: Tetsuro Majima

3A1-07 10:00 - 10:40 **Keynote Lecture:** Ultrafast chemical exchange 2DIR spectroscopy: Probing thermal equilibrium dynamics (Korea Univ., Korea) Sungnam Park

10:40 - 11:00 Break

Chair: Eric Wei-Guang Diao

3A1-13 11:00 - 11:20 Invited Lecture: Photophysics and photoinduced insulator-metal transition in molecular conductors by using time-resolved electrical conductivity measurement (Hokkaido Univ.) Toshifumi Iimori

3A1-15 11:20 - 11:40 Invited Lecture: Single-molecule fluorescence imaging of TiO₂ photocatalytic reactions (Osaka Univ.) Takashi Tachikawa

Chair: Dea Won Cho

3A1-17 11:40 - 12:00 Invited Lecture: Organic materials that liquefy upon light irradiation: Reversible crystal-liquid phase transition utilizing photoisomerization of azobenzene (National Institute of Advanced Industrial Science and Technology) Yasuo Norikane

Chair: Nobuhiro Ohta

3A1-25 13:00 - 13:40 Invited Lecture: Identification of Reaction Intermediates Using Transient Infrared Absorption (National Chiao Tung Univ., Taiwan) Yuan-Pern Lee

Chair: Tatsuo Arai

3A1-29 13:40 - 14:20 Invited Lecture: Photochemical properties of photovoltaic cell and photofunctional materials (Yeungnam Univ., Korea) Dea Won Cho

14:20 - 14:30 Break

Chair: Naoto Tamai

3A1-34 14:30 - 15:10 Invited Lecture: Charge transport characterizations for dye-sensitized solar cells (National Chiao Tung Univ., Taiwan) Eric Wei-Guang Diao

Chair: Yuan-Pern Lee

3A1-38 15:10 - 15:50 **Keynote Lecture:** Development of carbon quantum dots-based fluorescent probe suitable for living

cell imaging (Tongji Univ., China) Yang Tian
15:50 - 16:10 Break
Chair: Takashi Karatsu
3A1-44 16:10 - 16:30 Invited Lecture: Dynamics of non-B DNA: G-quadruplex, i-motif and A-motif (Osaka Univ.)
Jungkweon Choi
3A1-46 16:30 - 16:50 Invited Lecture: Spectroscopic analysis of interaction between water-soluble phosphorus porphyrins
and proteins (Univ. of Miyazaki) Jin Matsumoto
Chair: Masahide Yasuda
3A1-48 16:50 - 17:10 Invited Lecture: Probing of living system by time-resolved fluorescence imaging (Hokkaido Univ.)
Kamlesh Awasthi
3A1-50 17:10 - 17:30 Invited Lecture: Development of silyl-photosensitizing drug for photodynamic therapy (Gunma
Univ.) Hiroaki Horiuchi

【Theoretical Chemistry, Chemoinformatics, Computational Chemistry】

Date: March 24th (SUN) 13:30 - 17:10

Venue: Room G3 (PRISM HOUSE P109)

Chair: SATO, Hirofumi
3G3-28 13:30 - 13:40 Opening Remarks (Waseda Univ.) NAKAI, Hiromi
3G3-29 13:40 - 14:10 **Keynote Lecture:** Development and application of computer simulation techniques: Water cluster
and bacterial cytoplasm (Jawaharlal Nehru Univ.) BANDYOPADHYAY, Pradipta
3G3-32 14:10 - 14:30 Invited Lecture: Large scale molecular dynamics calculations of assembly of amphiphilic molecules
(Nagoya Univ.) YOSHII, Noriyuki
Chair: GOTO, Hitoshi
3G3-35 14:40 - 15:00 Invited Lecture: Drug discovery across multiple paradigms - from ligand-based virtual screening to
chemical genomics-based virtual screening (Kyoto Univ.) BROWN, J.B.
3G3-37 15:00 - 15:20 Invited Lecture: Recent progresses of molecular dynamics simulation methods: from a proton pump
function to drug design (Univ. of Tokyo) YAMASHITA, Takefumi
3G3-39 15:20 - 15:40 Invited Lecture: Virtual sensors with chemoinformatic techniques (Univ. of Tokyo) KANEKO,
Hiromasa
Chair: OKUMURA, Mitsutaka
3G3-42 15:50 - 16:20 **Keynote Lecture:** Vibrational spectroscopy of carbon nanostructures (National Chiao Tung Univ.)
WITEK, Henryk A.
3G3-45 16:20 - 16:40 Invited Lecture: Quantum chemical calculations of large delocalized molecules with the
divide-and-conquer method (Waseda Univ.) KOBAYASHI, Masato
3G3-47 16:40 - 17:00 Invited Lecture: Electronic excited states of large conjugated molecules studied by the direct SAC-CI
method (Institute for Molecular Science) FUKUDA, Ryoichi
3G3-49 17:00 - 17:10 Closing Remarks (Shizuoka Univ.) TORII, Hajime

【Inorganic Chemistry / Coordination Chemistry, Organo-metallic Chemistry】

Date: March 24th (SUN) 13:30 - 17:00

Venue: Room B3 (CO-LEARNING HOUSE II 801)

Chair: Hiroki Oshio and Masako Kato
3B3-28 13:30 - 13:50 Invited Lecture: Photo-induced structural change of transition metal complexes observed by ultrafast
spectroscopy (Toyama Univ.) Munetaka Iwamura
3B3-30 13:50 - 14:10 Invited Lecture: Combination of metal-complex luminophores and linkage isomerization toward new
intelligent chromic materials (Hokkaido Univ.) Atsushi Kobayashi
3B3-32 14:10 - 14:40 **Keynote Lecture:** Synthesis, photophysics and photocatalytic properties of new classes of readily
tunable rhenium(I) and rhodium(I) complexes (City Univ. of Hong Kong, Hong Kong) Vincent Chi-Chiu Ko
Chair: Shinobu Itoh and Takahiko Kojima
3B3-35 14:40 - 15:00 Invited Lecture: Development of 19F MRI probes based on coordination chemistry and nanomaterials
(Osaka Univ.) Shin Mizukami
3B3-37 15:00 - 15:20 Invited Lecture: DNA-directed metal complex formations and analytical applications (Kumamoto
Univ.) Toshihiro Ihara
3B3-40 15:30 - 15:50 Invited Lecture: Studies on the self-assembly of functional heterometallic clusters (Tsukuba Univ.)
Graham Neil Newton
Chair: Kohtaro Osakada
3B3-42 15:50 - 16:20 **Keynote Lecture:** Controlled syntheses and optical properties of plasmonic nanogap structures
(Seoul National Univ., Korea) Jwa-Min Nam

- 3B3-45 16:20 - 16:40 Invited Lecture: Water oxidation catalyzed by mononuclear and multinuclear metal complexes (Institute for Molecular Science) Shigeyuki Masaoka
3B3-47 16:40 - 17:00 Invited Lecture: Photocatalytic water splitting using surface-modified oxynitride powder (Tokyo Institute of Technology/ PRESTO, JST) Kazuhiko Maeda

【Organic Chemistry / Green Sustainable Chemistry】

Date: March 24th (SUN) 12:50 - 17:40

Venue: Room F6 (FOREST HOUSE F306)

- 3F6-24 12:50 - 13:00 Opening (Okayama Univ.) Kazuhiko Takai
Chair: Masaya Sawamura
3F6-25 13:00 - 13:30 **Keynote Lecture:** Gold-Catalyzed Cyclizations and Cycloadditions: Selectivity Control (East China Normal Univ., China) Junliang Zhang
3F6-28 13:30 - 13:50 Invited Lecture: Transition Metal-Catalyzed Tandem Cyclization Reactions for Preparation of Polycyclic Indole Derivatives (Tokyo Institute of Technology) Hiroyuki Kusama
3F6-30 13:50 - 14:20 **Keynote Lecture:** Learning the Art of Transition Metal Catalyzed C-H Bond Aminations for Practical Organic Synthesis (Nanyang Technological Univ., Singapore) Philip Wai Hong Chan
3F6-33 14:20 - 14:40 Invited Lecture: Catalytic Skeletal Rearrangement of O-Propargylic Oximes (Tohoku Univ.) Itaru Nakamura
14:40 - 14:50 PC Connection
Chair: Yasuhiro Uozumi
3F6-36 14:50 - 15:20 **Keynote Lecture:** Olefin Metathesis of Alkynes (Seoul National Univ., Korea) Tae-Lim Choi
3F6-39 15:20 - 15:40 Invited Lecture: Mechanistic Study of Hafnium Complexes-Catalyzed Dehydrogenative Cyclization Reaction of 2,6-Lutidine and Internal Alkynes (Osaka Univ.) Hayato Tsurugi
3F6-41 15:40 - 16:10 **Keynote Lecture:** The Odyssey of the N-Heterocyclic Carbene in Promoting C-H Functionalization (Academia Sinica, Taiwan) Tiow-Gan Ong
16:10 - 16:20 PC Connection
Chair: Yasushi Morita
3F6-45 16:20 - 16:40 Invited Lecture: Development of Functional Pi-conjugated Systems towards Electronic Applications (Osaka Univ.) Yutaka Ie
3F6-47 16:40 - 17:00 Invited Lecture: Syntheses and Properties of Organic High-spin Molecular Systems Based on Nitronyl Nitroxide Radical (Osaka City Univ.) Shuichi Suzuki
3F6-49 17:00 - 17:30 **Keynote Lecture:** Open-shell Polycyclic Hydrocarbons (National Singapore Univ., Singapore) Jishan Wu
3F6-52 17:30 - 17:40 Closing Remarks (Osaka Univ.) Naoto Chatani

【Natural Products Chemistry, Chemical Biology / Biofunctional Chemistry and Biotechnology】

Date: March 24th (SUN) 9:30 - 16:20

Venue: Room D2 (FOREST HOUSE F109)

- 3D2-04 9:30 - 9:40 Opening Remark (Tohoku Univ.) Minoru Ueda
Chair: Kenichi Takao
3D2-05 9:40 - 10:10 Invited Lecture: Design and Development of Fluorine Containing Gangliosides: Establishing the Concept of Conformational Control (RIKEN) Go Hirai
Chair: Hitoshi Tamiaki
3D2-08 10:10 - 10:40 Invited Lecture: Biofunction of Chemically Reactive Supramolecular Materials (Gifu Univ.) Masato Ikeda
Chair: Minoru Ueda
3D2-11 10:40 - 11:30 **Keynote Lecture:** Fluorescent probes for chemical biology (National Univ. of Singapore) CHANG Young-Tae
Chair: Itaru Hamachi
3D2-16 11:30 - 12:20 **Keynote Lecture:** Discovery of Novel Therapeutic Agents using Molecular Diversity and Chemical Biology (Seoul-Fluor and FITGE technology) (Seoul National Univ.) Seung Bum Park
Chair: Takehiko Wada
3D2-28 13:30 - 14:00 Invited Lecture: Development of Advanced DNA Sensors Based on The Stability Change of DNA Base Pairs in a Hydrated Ionic Liquid (Konan Univ.) Hisae Tateishi-Karimata
Chair: Hiroshi Tanaka
3D2-31 14:00 - 14:30 Invited Lecture: Design and expeditious synthesis of natural product-inspired multicyclic scaffolds: strategies for fragment assembly and skeletal diversification (Hokkaido Univ.) Hiroki Oguri
Chair: Koichi Fukase

- 3D2-34 14:30 - 15:20 **Keynote Lecture:** Biomedical Applications of Graphene Derivatives (Seoul National Univ.)
Dal-Hee Min
Chair: Hideaki Oikawa
- 3D2-39 15:20 - 16:10 **Keynote Lecture:** Biosynthesis-Based Mining of New Pathways and Their Associated Natural
Products (Shanghai Institute of Organic Chemistry) WEN Liu
- 3D2-44 16:10 - 16:20 Closing Remark (Osaka Univ.) Koichi Fukase

【Polymer】

Date: March 24th (SUN) 13:00 - 17:30

Venue: Room C6 (FOREST HOUSE F106)

Chair: Masami Kamigaito

3C6-25 13:00 - 13:30 **Keynote Lecture:** Synthesis and Chiral Recognition of Helical Poly(phenylacetylene) Derivatives
Bearing Chiral Side Chains (Harbin Eng. Univ, China) Zhang Chunhong

3C6-28 13:30 - 13:50 Invited Lecture: New approach to asymmetric polymerizations of substituted phenylacetylenes to
yield static one-handed helical polymers (Niigata Univ.) Yu Zang

Chair: Eiji Ihara

3C6-30 13:50 - 14:10 Invited Lecture: Sequence-Regulated Vinyl Polymers by Transition Metal-Catalyzed Step-Growth
Radical Polymerization (Nagoya Univ.) Kotaro Sato

3C6-32 14:10 - 14:30 Invited Lecture: Precision Synthesis of Sequence-Controlled Polymer Chains (Kyoto Univ.) Makoto
Ouchi

3C6-34 14:30 - 14:50 Invited Lecture: Precise Synthesis of Miktoarm Star-branched Polymers by Means of Living Anionic
Polymerization (Tokyo Institute of Technology) Raita Goseki

Chair: Toshiki Aoki

3C6-36 14:50 - 15:10 Invited Lecture: Highly Ordered Alignment of Vinyl Polymer Chains by Host-Guest
Cross-Polymerization (Kyoto Univ.) Takushi Uemura

3C6-38 15:10 - 15:30 Invited Lecture: Function and Synthesis of Covalent Bond-based Porous Polymer (Institute for
Molecular Science) Atsushi Nagai

Chair: Akira Hirao

3C6-40 15:30 - 16:00 **Keynote Lecture:** Micropatterning of polymer composites with conductive nanomaterials and their
use for stretchable electronics (Yonsei Univ., Korea) Unyong Jeong

3C6-43 16:00 - 16:20 Invited Lecture: Development of POSS-Based Advanced Functional Materials (Kyoto Univ.) Kazuo
Tanaka

3C6-45 16:20 - 16:40 Invited Lecture: Precision Synthesis of Tailor-made Polythiophene-based Materials and Their
Application to Organic Solar Cells (Tokyo Institute of Technology) Tomoya Higashihara

Chair: Akon Higuchi

3C6-47 16:40 - 17:10 **Keynote Lecture:** Bioinert surface grafted with Zwitterionic Polymer Brushes (Chung Yuan
Christian Univ., Taiwan) Yung Chang

3C6-50 17:10 - 17:30 Invited Lecture: Design of hydrogel-based biomaterials for regenerative medicine (Kyoto Univ.)
Masaya Yamamoto

◆ 3rd CCS-CSJ, Young Chemists Forum

— Effective Utilization of Elements and its Chemical Applications

Date: March 24th (SUN) 9:00-17:10

Venue: Room S9 (CO-LEARNING HOUSE II C601)

Hosted by The Chemical Society of Japan (CSJ)

Co-hosted by Chinese Chemical Society (CCS)

9:00-9:10 Opening Remarks

(I) Bio-related system and asymmetric synthesis

Chair: ShouFei Zhu

9:10-9:35 Asymmetric Doubly Covalent Catalysis with Chiral In(III)-Phosphoric Acid Binary Catalyst (Institute of
Chemistry, Chinese Academy of Sciences) Sanzhong Luo

9:35-10:00 Title is not available (Tshinghua University) Lei Liu

10:00-10:25 Structural Analysis of Nanometric Amorphous Iron Oxide Produced by Iron-oxidizing Bacterium, *Leptothrix*

ochracea (Okayama University) Hideki Hashimoto
10:25-10:50 Multilevel Structure Control of Metal Nanocrystals for Catalysis and Bioapplications (Xiamen University)
Nanfeng Zheng
(10:50-11:00 Coffee Break)

(II) Carbon material: synthesis, application, simulation

Chair: Sanzhong Luo (Institute of Chemistry, Chinese Academy of Sciences)
11:00-11:25 Novel Carbon Materials toward Efficient Photovoltaics-Carbon-bridged Phenylenevinylens and their Application to Dye-sensitized Solar Cells (The University of Tokyo) Hayato Tsuji
11:25-11:50 Mechanism-directed Organic and Organometallic Chemistry of Carbodiimides (Peking University) Wen-Xiong Zhang
11:50-12:15 Magneto-orbital effect without spin-orbit interactions in a noncentrosymmetric zeolite-templated carbon structure (The University of Tokyo) Ryotaro Arita
(12:15-13:55 Lunch break)

(III) Homogeneous and Heterogeneous Catalysis

Chair: Hayato Tsuji (The University of Tokyo)
13:55-14:20 Iron-Catalyzed Carbene Transfer Reactions (Nankai University) Shou-Fei Zhu
14:20-14:45 Oxidative Coupling: Chemistry between Two [Nucleophiles] (Wuhan University) Aiwen Lei
14:45-15:10 From Trifluoromethylation to Trifluoromethylthiolation: Development of New Trifluoromethylthiolated Hypervalent Iodine Reagent (Shanghai Institute of Organic Chemistry) Qilong Shen
15:10-15:35 Catalytic origins of nanoporous metal (Tohoku University) Takeshi Fujita
(15:35-15:45 coffee Break)

(IV) Coordination and Inorganic Chemistry

Chair: Takeshi Fujita (Tohoku University)
15:45-16:10 Refractory Oxides as Novel Electronics and Ionics Materials (Tokyo Institute of Technology) Katsuro Hayashi
16:10-16:35 Macrocyclic-Directed Metal Cluster-Centered Coordination Self-Assembly (Tsinghua University) Liang Zhao
16:35-17:00 Si-based epitaxial nanodots for thermoelectric material (Osaka University) Yoshiaki Nakamura
17:00-17:10 Closing Remarks

◆ 4th RSC-CSJ Joint Symposium 2013

— Chemical Biology Research by Young Investigators —

Date: March 24th (SUN) 9:00-17:40

Venue: Room S8 (CO-LEARNING HOUSE I C306)

Hosted by The Chemical Society of Japan
Co-hosted by Royal Society of Chemistry

Chair: Kazuya Kikuchi
09:10-09:20 Opening Remarks from CSJ
09:20-09:30 Opening Remarks from UK
Chair: Hiroshi Murakami
09:30-10:10 Novel Catalytic Chemistry in Bioactive Natural Product Biosynthesis (Warwick University) Gregory L. Challis
Chair: Gregory L. Challis
10:10-10:50 Development of Non-standard Peptide Inhibitors Using TRAP display (The University of Tokyo) Hiroshi Murakami
10:50-11:20 Intermission
Chair: Kazushi Kinbara
11:20-12:00 Sphingolipid Biosynthesis in Man and Microbes Dominic (University of Edinburgh) Campopiano
Chair: Dominic Campopiano
12:00-12:40 Development of Supramolecular Tools for Regulation of Biological Events (Tohoku University) Kazushi Kinbara
12:40-13:40 Lunch Time
Chair: Stuart J. Conway
13:40-14:20 Small Molecule Tools for Cell Biology and Cell Therapy (Kyoto University) Motonari Uesugi
Chair: Motonari Uesugi
14:20-15:00 Cracking The Histone Code: Inhibitors of The Bromodomain-Acetyl-Lysine Interaction (University of Oxford)
Stuart J. Conway
15:00-15:30 Intermission

Chair: Rebecca Goss

15:30-16:10 Total Synthesis and Biological Evaluation of Polytheonamide B (The University of Tokyo) Masayuki Inoue

Chair: Masayuki Inoue

16:10-16:50 Elucidating and Exploiting Biosynthesis (University of East Anglia) Rebecca Goss

Chair: Rebecca Goss

16:50-17:30 Molecular Imaging Probes with Tunable Switches for in Vivo Applications (Osaka University) Kazuya Kikuchi

17:30-17:40 Closing Remarks

◆ Japan-Canada Joint International Symposium on Transition Metal

Catalysts and Synthetic Processes for the Next Generation

Date: March 23rd (SAT) 09:00-12:00

Venue: Room S2 (CO-LEARNING HOUSE I C103)

Hosted by The Chemical Society of Japan

Co-hosted by JST-CREST, (Nagakshima team; Kyushu University)

09:00-09:05 Opening Remarks (Kyusyu University) Hideo Nagashima

Chair: Masaya Sawamura (Hokkaido University)

09:05-09:25 Solution-Phase Structure of Organoiron Catalysts Illuminated by Synchrotron X-ray Absorption Spectroscopy (Kyoto University) Hikaru Takaya

09:25-09:45 Fluorine Atom Transfer to Alkyl Radicals (The University of British Columbia) Glenn Sammis

09:45-10:05 Control of Axially Chiral N-C Bond: Stereoselective Synthesis of Axially Chiral N-Aryl Indoles (Osaka Prefecture University) Ken Kamikawa

Chair: Yasuhiro Uozumi (National Institutes of Natural Sciences, Institute for Molecular Science)

10:05-10:25 New Catalysts and Bifunctional Reagents for the Amination of Alkenes (University of Ottawa) Andre M. Beauchemin

10: 25-10:45 Catalytic Arylations of Aromatic Compounds via Unreactive Bond Cleavage and Its Applications (Keio University) Fumitoshi Kakiuchi

10:45-11:05 Enantioselective synthesis of chiral arylated alkanes via Rh, Pd and Boron chemistry (Queen's University) Cathleen Crudden

Prof. Howard Alper; Honorary Member of the CSJ The Commemorative Lectures

Chair: Ryu Ilhyong (Osaka Prefecture University)

11:05-11:15 Commendation of Honorary Member to Prof. Howard Alper

Introduction of the Foreign Honorary Member

Speech : Kohei Tamao; President of the Chemical Society of Japan

Cathleen Crudden; President of Canadian Society for Chemistry

11:15-11:55 Commemorative Lecture by Prof. Howard Alper (University of Ottawa) "Metal Catalyzed Carbonylation and Cyclization Reactions"

11:55-12:00 Closing Remarks (Nara Institute of Science and Technology) Shinji Murai

◆The Chemical Record Lecture 2013

March 23rd (SAT) 15:30-16:20 Room S2 (CO-LEARNING HOUSE I C103)

“Conjugated Organic Materials for Light Emission and Light Harvesting” (The University of Melbourne) Prof. Andrew Holmes

◆ Frontiers of Artificial Photosynthesis

JST-PRESTO Project "Chemical Conversion of Light Energy"

Date: March 22nd (FRI) 09:30-18:00

Venue: Room S1 (CO-LEARNING HOUSE I C102)

- 9:30-9:40 1S1-01 Opening Remarks (JST) INOUE, Haruo
9:40-10:10 1S1-02 Watching Chemical Conversion of Light Energy with Picosecond Time-resolved X-ray Structural Analysis ADACHI, Shin-ichi
10:10-10:40 1S1-03 Development of Large Photofunctional Porphyrin Arrays ARATANI, Naoki
10:40-11:10 1S1-04 Development of energy conversion materials with hierarchical structure using two-dimensional nanocrystals IDA, Shintaro
11:10-11:40 1S1-05 Development of highly-active oxygen evolving catalysts toward visible-light-induced water splitting MASAOKA, Shigeyuki
11:40-12:10 1S1-06 Development of a molecular catalyst for water oxidation toward a hydrogen-producing solar cell YAGI, Masayuki
13:20-14:10 1S1-07 Finding the Way to Solar Fuels (Univ. of North Carolina at Chapel Hill) Thomas J. Meyer
14:10-14:40 1S1-08 Novel Ruthenium-Peptide Complexes Designed based on 'Peptide Origami' ISHIDA, Hitoshi
14:40-15:10 1S1-09 Development of Photocatalytic Molecular Transformation System Driven by Visible-Light Energy INAGAKI, Akiko
15:25-15:55 1S1-10 Bis(phosphaethenyl)pyridine Iron Complexes; Electronic Structures and Reactivity towards CO₂ NAKAJIMA, Yumiko
15:55-16:25 1S1-11 Photo-induced electron transfer and ISHIKITA, Hiroshi
16:25-16:55 1S1-12 proton transfer reactions in proteins SHIMA, Seigo
16:55-17:25 1S1-13 Protein engineering to create algae with high formate productivity IHARA, Masaki
17:25-17:55 1S1-14 Organization and Functional Analysis of Supramolecular Assembly of Photosynthetic Antenna Proteins DEWA, Takehisa
17:55-18:00 1S1-15 Closing Remarks

Date: March 23rd (SAT) 09:30-11:30

Venue: Poster Room (EPOCH RITSUMEI 21)

- 2PD-100 IFUKU, Kentarou
2PD-101 Chloroplast photochemical activity and accumulation of neutral lipids in algal cells analyzed by picosecond fluorescence lifetime KUMAZAKI, Shigeichi
2PD-102 Catalytic activity of ruthenium containing heteropolytungstates for water oxidation SADAKAE, Masahiro
2PD-103 Proton-coupled electron transfer that controls water oxidation rate in SUGIURA, Miwa
2PD-104 Optical Manipulation and Spectroscopy of Macromolecules on Plasmonic Nanostructures TUBOI, Yasuyuki
2PD-105 Elucidation and alteration of photosynthetic electron transport process based on gene manipulation techniques NAGASHIMA, Kenji V.P.
2PD-106 Characterization of interfacial structure of photoenergy conversion systems by surface vibrational spectroscopy NOGUUCHI, Hidenori
2PD-107 Structures and Reactivity of Transition Metal Centers Encapsulated in a Cage Type Ligand FUNAHASHI, Yasuhiro
2PD-108 Super-resolution Fluorescence Microscopy of Diatom Silica Shell HOTTA, Jun-ichi
2PD-109 Visible-light-driven water oxidation using BaZrO₃-BaTaO₂N solid solutions as photocatalysts MAEDA, Kazuhiko
2PD-110 Metal Chain Sandwich Complexes Containing Naturally Occurring Ligands MURAHASHI, Tetsuro
2PD-111 Perovskite catalysts for solar thermochemical water splitting YAMAZAKI, Yoshihiro
2PD-112 Studies on the oxygen-evolving reaction of Photosystem II complex by structural and chemical analyses UMENA, Yasufumii
2PD-113 Photocatalytic reduction of CO₂ over morphology controlled brookite TiO₂ and nanocomposite photocatalyst of g-C₃N₄ and WO₃ OHNO, Teruhisa
2PD-114 Charge transfer dynamics in Ruthenium polypyridyl complexes studied by picosecond infrared vibrational spectroscopy ONDA, Ken
2PD-115 Molecular Orientation Dependence of Electron Transfer in a Porphyrin-coordinated Au Cluster SAKAMOTO, Masanori
2PD-116 Photoreduction of CO₂ based on transition metal complexes having arylborane units SAKUDA, Eri
2PD-117 Highly efficient mononuclear iridium complex photocatalyst for CO₂ reduction under visible light SATO, Syunsuke
2PD-118 Driving Force and Reaction Field of NAGASAWA, Yutaka
2PD-119 the Ultrafast Electron Transfer Reaction FUJII, Ritsuko
2PD-120 Surface-Enhanced Infrared Spectroscopy for Evaluation of Orientation Control of a Membrane Protein

FURUTANI, Yuji

2PD-121 Measurement, Solvent Effect, and Thermodynamic Classification of Hydricity MATSUBARA, Yasuo

2PD-122 Development of New Photocatalysts for the Highly Efficient Reduction of CO₂ MORIMOTO, Tatsuki

2PD-123 Time-resolved IR Study on Electron and Hole Transfer from Photocatalyst to Cocatalysts YAMAKATA, Akira

◆ Special Lecture

March 23rd (SAT)

10:00 - 10:50 Room SA (CO-LEARNING HOUSE II C605)

2SA-01 Molecular Modeling in the Mobile Age: In the steps of Roald Hoffmann and John Pople (UC, Irvine,) Warren J. Hehre

14:00 - 14:50 Room S2 (CO-LEARNING HOUSE I C103)

2S2-01 From Mononuclear, Coordination Polymers to Metal Clusters: the Importance of the Metal-Ligand Synergism (CNRS; Univ. Strasbourg) Pierre BRAUNSTEIN

March 24th (SUN)

10:00 - 10:50 Room SH (FOREST HOUSE F306)

3SH-01 The Mechanism of the Reaction of Hydrogen and Olefins with Multiple Bonded Heavier Group 13 and 14 Species (University of California at Davis) Philip Patrick Power

10:50 - 11:40 Room SH (FOREST HOUSE F306)

3SH-02 Metallosilanes. Novel Reagents for Synthesis (Israel Institute of Technology) Yitzhak Apeloig

11:10 - 12:00 Room G8 (PRISM HOUSE P114)

3G8-14 Surprising selectivity in the activation and oxidation of methane by gas phase gold and gold-palladium clusters (Institute for Surface Chemistry and Catalysis, University of Ulm) Thorsten Marco Bernhardt

14:30 - 15:20 Room F3 (FOREST HOUSE F303)

3F3-34 New Insights in Enabling Phosphorus Chemistry (VU University Amsterdam) Koop Lammertsma

March 25th (MON)

11:00 - 11:50 Room F3 (FOREST HOUSE F303)

4F3-13 Developing the chemistry of monovalent phosphorus (Nanyang Technological University) Francois Mathey

◆ Academic Program (oral and poster)

【Analytical Chemistry】

Room G1 (PRISM HOUSE P107)

March 22nd (FRI)

10:00 - 10:10 1G1-07 Development of Silica Modified Chemically with Schiff Base for Determination of Heavy Metal Ions in Environmental Water (Faculty of Systems Engineering, Wakayama University) DOUANGPHILA, Phouthavanh; YAJIMA, Setsuko; KIMURA, Keiichi

March 23rd (SAT)

15:50 - 16:10 2G1-42 Quantitative Analysis and Imaging for Phosphatidylinositol 3,4,5-trisphosphate on Cell Membrane by Split Luciferase Complementation. (Univ. of Tokyo) YANG, Lingzhi; NASU, Yusuke; OZAWA, Takeaki

March 25th (MON)

10:40 - 10:50 4G1-11 Determination of Pesticides by Gas Chromatography/Time-of-Flight Mass Spectrometry Based on Laser Multiphoton Ionization (Kyushu Univ.; Graduate School of Engineering) YANG, Xixiang; TANG, Yuanyuan; EZOE, Ryota; MATSUI, Taiki; IMASAKA, Totaro

【Applications of Materials】

Room C3 (FOREST HOUSE F103)

March 22nd (FRI)

15:10 - 15:20 1C3-38 Synthesis and optical properties of novel bisazomethine dyes having dibutylamino groups (Yokohama Natl. Univ.) YU, Hyung-wook; KIM, Byung-soon; MATSUMOTO, Shinya

16:30 - 16:40 1C3-46 Novel Functional Dyes with Squaraine-naphthalene Diimide Hybrid Structure (Graduate School of Engineering, Osaka Pref. Univ.) ZHOU, Jin; MAEDA, Takeshi; YAGI, Shigeyuki; NAKAZUMI, Hiroyuki

March 23rd (SAT)

- 9:50 - 10:00 2C3-06 The Metal Oxide Catalysts Based on IV or V Group Elements as Non-platinum Cathodes of PEFCs. (Faculty of Eng., The Univ. of Tokyo) SEO, Jeongsuk; TAKANABE, Kazuhiro; KUBOTA, Jun; DOMEN, Kazunari
- 10:10 - 10:30 2C3-08 Homogeneous Loading of Pd-Pt Core-shell Nanoparticles on Polybenzimidazole wrapped- Carbon Nanotubes for Fuel Cell application (Grad. Sch. Eng., Kyushu Univ.) KIM, Chaerin; FUJIGAYA, Tsuyohiko; NAKASHIMA, Naotoshi
- 11:30 - 11:50 2C3-16 Phenylazomethine Dendrimer Encapsulated AuPt Bimetallic Nanoparticles (Tokyo Institute of Technology, Chemical Resources Laboratory) KANG, Ling-chen; ALBRECHT, Ken; YAMAMOTO, Kimihisa
- 11:50 - 12:10 2C3-18 Fluorescence Properties of (Dialkylamino)perfluorophenazines (Faculty of Engineering, Gifu University) BIRADAR, Siddanagouda; KUBOTA, Yasuhiro; FUNABIKI, Kazumasa; MATSUI, Masaki
- 16:00 - 16:20 2C3-43 Instinctively Stretchable Electrochromic Device Using Organic-Metallic Hybrid Polymers (NIMS; JST-CREST) ZHANG, Jian; HIGUCHI, Masayoshi

March 24th (SUN)

- 9:30 - 9:50 3C3-04 Photocatalytic Activity of a Variety of Fluoroalkyl Groups-Containing Acrylate-Acrylic Acid Cooligomers/Titanium Oxide/Silica Nanocomposites after Calcination at 1000 °C (Hirosaki University; Graduate School of Science and Technology, Hirosaki University; LIXIL) GUO, Sujuan; KAKEHI, Hiroshi; KATO, Yoshihiro; MIURA, Masashi; ISU, Norifumi; SAWADA, Hideo

Poster Room (AD-SEMINARIO)

March 24th (SUN)

- 15:00 - 16:30 3PC-090 Preparation, Thermal Stability and Photocatalytic Activity of Fluoroalkyl End-capped Vinyltrimetoxysilane Oligomer/Anatase Titanium Oxide/Silica Nanocomposites (Hirosaki University; Graduate School of Science and Technology, Hirosaki University; LIXIL) GUO, Sujuan; KAKEHI, Hiroshi; KATO, Yoshihiro; MIURA, Masashi; ISU, Norifumi; SAWADA, Hideo

[Biofunctional Chemistry ; Biotechnology]

Room D5 (FOREST HOUSE F112)

March 22nd (FRI)

- 10:30 - 10:50 1D5-10 Enhanced Structural Control of Palladium Nanoparticle Aided by the p53 Tetramerization Domain-Conjugated Biomimetic Peptide (Hokkaido University; Dept. of Chem.) JANAIRI, Jose Isagani; SAKAGUCHI, Tatsuya; CHUMAN, Yoshiro; HARA, Kenji; FUKUOKA, Atsushi; SAKAGUCHI, Kazuyasu

March 24th (SUN)

- 16:40 - 16:50 3D5-47 Bacterial cell wall peptidoglycan fragment library/array for investigation of their protein recognition (Grad. Sch. of Sci., Osaka Univ.) WANG, Ning; HIRATA, Akiyoshi; NOKIHARA, Kiyoshi; FUJIMOTO, Yukari; FUKASE, Koichi
- 17:10 - 17:20 3D5-50 Chemical synthesis of homogeneous glycoprotein and its structural analysis by NMR (Sch. Sci., Osaka Univ.) NGUYEN, Hien Minh; OKAMOTO, Ryo; IZUMI, Masayuki; KAJIHARA, Yasuhiro

Room E1 (FOREST HOUSE F201)

March 22nd (FRI)

- 9:40 - 9:50 1E1-05 Construction of Dimeric Adaptor to Locate Protein Dimers on Molecular Switchboard (IAE, Kyoto Univ.) NGO, Anh Tien; NAKATA, Eiji; SAIMURA, Masayuki; MORII, Takashi
- 10:10 - 10:30 1E1-08 Regulation of assembly of DNA nanostructures using photo-switchable oligonucleotides (Kyoto Univ. Graduate School of Science; Kyoto Univ. iCeMS) YANG, Yangyang; ENDO, Masayuki; SUZUKI, Yuki; HIDAKA, Kumi; SUGIYAMA, Hiroshi
- 13:00 - 13:10 1E1-25 Construction of a nano-assembly with ribonucleopeptide receptors (IAE, Kyoto Univ.) LIEW, Fong Fong; ANNONI, Chiara; TAMURA, Tomoki; NAKANO, Shun; NAKATA, Eiji; MORII, Takashi
- 13:10 - 13:30 1E1-26 Single-molecule observation of B-Z transition in a DNA nanostructure (Kyoto Univ. Graduate School of Science; Kyoto Univ. iCeMS) RAJENDRAN, Arivazhagan; ENDO, Masayuki; HIDAKA, Kumi; SUGIYAMA, Hiroshi

March 23rd (SAT)

- 10:40 - 10:50 2E1-11 Multicolor chromosome imaging by click chemistry (Faculty of Medicine, University of Miyazaki) LIU, Hongshan; XU, Yan
- 16:50 - 17:00 2E1-48 Effect of molecular environments on the behaviors of biomolecules(45): Interfacial hybridization kinetics on living cell surface (FIBER, Konan Univ.; FIRST, Konan Univ.) AMBADAS, Rode; ENDOH, Tamaki; TAKAHASHI, Shuntaro; TATEISHI, Hisae; SUGIMOTO, Naoki

March 24th (SUN)

- 10:20 - 10:30 3E1-09 Structure and stability of telomeric RNA G-quadruplex (Faculty of Medicine, University of Miyazaki) YANG, Jie; XU, Yan

Room E2 (FOREST HOUSE F202)

March 25th (MON)

- 15:10 - 15:30 4E2-38 Membrane translocation and cell entry of a protein screw (iCeMS, Kyoto Univ. Grad. Sch. Engn.

Kyoto Univ.Grad. Sch. Biosci. and Biotech. Tokyo Inst. Tech.) SANGHAMITRA, Nusrat; INABA, Hiroshi; WANG, Dan Ohtan; KANAMARU, Shuji; ARISAKA, Fumio; AIBA, Kazuhiro; NAKATSUJI, Norio; KITAGAWA, Susumu; UENO, Takafumi

Poster Room (AD-SEMINARIO)

March 22nd (FRI)

15:00 - 16:30 1PC-078 Structure and stability of 19F-labeled telomere RNA G-quadruplex (Faculty of Medicine, University of Miyazaki) BAO, Hongliang; XU, Yan

15:00 - 16:30 1PC-101 Resolving Double Disulfide Bond Patterns in SNAP25B Using Liquid Chromatography-Ion Trap Mass Spectrometry (Brigham Young University, Kyoto University) OGAWA, Nozomi; WOODBURY, Dixon; TAYLOR, Ryan; SMITH, J.P.

【Catalysts and Catalysis】

Room G4 (PRISM HOUSE P110)

March 23rd (SAT)

16:10 - 16:20 2G4-44 The synthesis of PtSn alloy catalysts and their catalytic behaviors in propane dehydrogenation. (Univ. of Japan Chemical; Japan Chemical Co.Ltd) DENG, Lidan; SHISHIDO, Tetsuya; TERAMURA, Kentaro; TANAKA, Tsunehiro

March 24th (SUN)

10:00 - 10:10 3G4-07 Preparation of a molecularly imprinted Pd-complex catalyst for Suzuki coupling reaction (IMS) MAITY, Niladri; MURATSUGU, Satoshi; TADA, Mizuki

14:10 - 14:30 3G4-32 Phenol synthesis by selective oxidation of benzene on Pt-based supported catalysts (The Univ. of Electro-Communications) WANG, Linsheng; YAMAMOTO, Sadaaki; WATANABE, Hikaru; HAYASHIZAKI, Kenichiro; NAGAMATSU, Shin-ichi; SASAKI, Takehiko; TADA, Mizuki; IWASAWA, Yasuhiro

14:30 - 14:40 3G4-34 Pt-Au-Ag Porous Nanoparticles as Catalyst for Methanol Electro-oxidation Reaction (WPI-AIMR, Tohoku University) ZHAO, Ming; ASAO, Naoki; YAMAMOTO, Yoshinori

17:30 - 17:40 3G4-52 Decomposition of ammonium ion in water by catalytic ozonation using cobalt oxides (Graduate School of Environmental Science, Hokkaido Univ.; Research Faculty of Environmental Earth Science, Hokkaido Univ.) MAHARDIANI, Lina; KAMIYA, Yuichi

Room G5 (PRISM HOUSE P111)

March 22nd (FRI)

13:50 - 14:00 1G5-30 Characterization of Cu species on TiO₂ photocatalysts fabricated by various methods (Univ. of Japan Chemical; Japan Chemical Co.Ltd) WANG, Zheng; TERAMURA, Kentaro; SHISHIDO, Tetsuya; TANAKA, Tsunehiro

15:00 - 15:10 1G5-37 Selective local nitrogen doping in a TiO₂ electrode for enhanced photoelectrochemical properties in Ultraviolet light (National Institute for Materials Science) CAO, Junyu; KAKO, Tetsuya; YE, Jinhua

16:50 - 17:00 1G5-48 Size-dependent Mie's scattering effect on TiO₂ spheres towards efficient H₂ evolution (Hokkaido Univ.) XU, Hua; KAKO, Tetsuya; YE, Jinhua

17:10 - 17:20 1G5-50 selective synthesis and photocatalytic properties of cubic and orthorhombic NaNbO₃ (Hokkaido University, National Institute for Materials Science) LI, Peng; KAKO, Tetsuya; YE, Jinhua

March 23rd (SAT)

9:30 - 9:40 2G5-04 Effect of flux treatment on photocatalytic activity of SrTiO₃ photocatalyst for water splitting (Faculty of Eng., The Univ. of Tokyo) HAM, Yeilin; MIYOSHI, Yoshiko; MORI, Hirotaka; HISATOMI, Takashi; MINEGISHI, Tsutomu; SAKATA, Yoshihisa; DOMEN, Kazunari

13:20 - 13:30 2G5-27 Modification of alkaline-metal-salt-added Ta₃N₅ with cocatalysts for Z-scheme water splitting application (Department of Engineering, The University of Tokyo) MA, Su Su Khine; HISATOMI, Takashi; MAEDA, Kazuhiko; MORIYA, Yosuke; DOMEN, Kazunari

13:30 - 13:40 2G5-28 Stable water splitting using BaTaO₂N electrode prepared by particle transfer method (The Univ. of Tokyo) CLUNE, Justin; XIONG, Anke; MINEGISHI, Tsutomu; DOMEN, Kazunari

14:00 - 14:10 2G5-31 Reduced TiO₂ Nanotube Arrays for Photoelectrochemical Water Splitting (National Institute for Materials Science) KANG, Qing; YE, Jinhua

14:20 - 14:40 2G5-33 p-CuO Photocatalyst for Efficient Solar Hydrogen Production (Kyushu Univ. IMCE; I2CNER) ZAHARAN, Zaki, N.; MOHAMED, Eman, A.; OHTA, Takehiro; NARUTA, Yoshinori

March 24th (SUN)

9:10 - 9:30 3G5-02 Efficient Photochemical Water Splitting with Use of Dye/Catalyst Co-modified Electrodes (Kyushu Univ. IMCE; I2CNER) LIU, Bo; ZAHARAN, Zaki N.; OHTA, Takehiro; NARUTA, Yoshinori

10:50 - 11:00 3G5-12 Synthesis and characterization of a new heterojunction Ag₃PO₄/Cr-SrTiO₃ for photodegradation of gaseous organic pollutants under visible light irradiation (Hokkaido Univ.) GUO, Jianjun; OUYANG, Shuxin; YE, Jinhua; KAKO, Tetsuya

11:20 - 11:30 3G5-15 An ion-exchange route for the synthesis of hierarchical In₂S₃/ZnIn₂S₄ bulk composite and its photocatalytic activity under visible-light irradiation (Hokkaido Univ.) MEI, Zongwei; YE, Jinhua; KAKO, Tetsuya

【Challenge for the emerging issues with new biotechnologies】

Room H5 (RARCADIA R202)

March 23rd (SAT)

13:10 - 13:50 2H5-26 Discovery & Development of Macrocyclic Peptides (PeptiDream) Reid, Patrick C

【Chemical Biology】

Room E3 (FOREST HOUSE F203)

March 22nd (FRI)

13:10 - 13:30 1E3-26 Examining the Interaction of the Marine Sponge Peptide Theonellamide A with Sterols in Lipid Bilayers (Osaka Univ.) ESPIRITU, Rafael; KINOSHITA, Masanao; MATSUMORI, Nobuaki; MURATA, Michio; NISHIMURA, Shinichi; KAKEYA, Hideaki; MATSUNAGA, Shigeki; YOSHIDA, Minoru

March 25th (MON)

13:40 - 13:50 4E3-29 Synthesis of spin probe for in vivo electron paramagnetic resonance imaging of cerebral nicotinic receptor (Tohoku Univ.) WANG, Xiaolei; ITTO, Kaori; XU, Shu; MIYAKE, Yusuke; EMOTO, Miho; FUJII, Hitotada; HIRATA, Hiroshi; ARIMOTO, Hirokazu

Poster Room (AD-SEMINARIO)

March 22nd (FRI)

15:00 - 16:30 1PC-035 Acidic-pH activatable fluorescence probes for monitoring exocytosis dynamics (The Univ. of Tokyo) ASANUMA, Daisuke; TAKAOKA, Yousuke; NAMIKI, Shigeyuki; TAKIKAWA, Kenji; KAMIYA, Mako; NAGANO, Tetsuo; URANO, Yasuteru; HIROSE, Kenzo

【Colloid and Interface Chemistry】

Room A6 (CO-LEARNING HOUSE I C202)

March 22nd (FRI)

10:00 - 10:20 1A6-07 Enhanced Rapid and High-Capacity Hydrogen Storage in Pd Nanocrystals Induced by Metal-Organic Framework (Grad. Sch. Sci., Kyoto Univ.) LI, Guanchin; KOBAYASHI, Hirokazu; KITAGAWA, Hiroshi; KUBOTA, Yoshiki; TOH, Shoichi; YAMAMOTO, Tomokazu; MATSUMURA, Syo

17:30 - 17:40 1A6-52 Electrooxidation of ethylene glycol on Fe-Co-Ni nanoalloy electrocatalysts under alkaline condition (WPI-I2CNER, Kyushu Univ.; CRC, Hokkaido Univ.; Graduate school of Engineering, Kyoto Univ.; JST-CREST) OOI, Mei Lee; SADAKEYO, Masaaki; YAMAUCHI, Miho; ARIKAWA, Hidekazu; TAKEGUCHI, Tatsuya; ABE, Ryu

March 23rd (SAT)

9:00 - 9:20 2A6-01 Selective Synthesis and Plasmonic Properties of Polyhedral Au Nanoparticles (Univ. of Tsukuba; Kyoto Univ.) WU, Hsin-lun; SATO, Ryota; TERANISHI, Toshiharu

11:50 - 12:00 2A6-18 Plasmonic Properties of Nonstoichiometric Copper Sulfide Semiconductor Nanoparticles (Univ. of Tsukuba; Kyoto Univ.) CHEN, Lihui; YOSHINAGA, Taizo; KANEHARA, Masayuki; SAKAMOTO, Masanori; TERANISHI, Toshiharu

Room A8 (CO-LEARNING HOUSE I C205)

March 22nd (FRI)

13:20 - 13:40 1A8-27 Studies on the Role of Trehalose for the Preservation of Bilayer Structure of DMPC in Air (Hokkaido university; NIMS; MANA;) ZHANG, Ya; NOGUCHI, Hidenori; UOSAKI, Kohei

17:30 - 17:50 1A8-52 Bioinspired SAM Operable by Electrical Potential for Guest Capture and Release (The University of Tokyo) CHEN, Shuo; ITOH, Yoshimitsu; MASUDA, Takuya; NOGUCHI, Hidenori; UOSAKI, Kohei; AIDA, Takuzo

March 23rd (SAT)

13:50 - 14:10 2A8-30 DNA-mediated photoconversion of AgCl to functional nanoparticles and their applications (Grad. Sch. Chem. Sci. Eng. Hokkaido Univ.) WANG, Guoqing; MITOMO, Hideyuki; SHIMAMOTO, Naonubo; MATSUO, Yasutaka; NIIKURA, Kenichi; IJIRO, Kuniharu

14:10 - 14:30 2A8-32 High selectivity of hydrotalcite supported-platinum/gold alloy nanoparticle catalysts for aerobic oxidation of polyols under base-free and atmospheric conditions (Sch. Mat. Sci., JAIST) TONGSAKUL, Duangta; NISHIMURA, Shun; EBITANI, Kohki

【Coordination Chemistry, Organometallic Chemistry】

Room B1 (CO-LEARNING HOUSE II C605)

March 22nd (FRI)

10:20 - 10:40 1B1-09 Unified View of Metal Ion-Coupled Electron Transfer and Proton-Coupled Electron Transfer in Sulfoxidation and C-H Bond Activation with a Non-Heme Iron(IV)-Oxo Complex (Osaka Univ.; ALCA, JST) PARK, Jiyun; LEE, Yong-min; NAM, Wonwoo; FUKUZUMI, Shunichi

Room B3 (CO-LEARNING HOUSE II 801)

March 25th (MON)

9:00 - 9:10 4B3-01 Synthesis and Structure of Lithiostannane Bearing a Bulky Ligand and its Unusual Reactivity (Department of Chemistry, Graduate School of Science and Engineering, Saitama University) POP, Lucian Cristian; SAITO, Masaichi

Room B4 (CO-LEARNING HOUSE II 802)**March 22nd (FRI)**

9:30 - 9:40 1B4-04 Synthesis of Metallated Pentacene Derivatives (Catalysis Research Center, Hokkaido Univ.) WANG, Yanqing; SONG, Zhiyi; JIA, Zhiying; NAKAJIMA, Kiyohiko; TAKAHASHI, Tamotsu

12:00 - 12:10 1B4-19 Synthesis and Characterization of Flexible Porous Coordination Polymer from Chromium (Kyoto Univ.) KONGPATPANICH, Kanokwan; HORIKE, Satoshi; KITAGAWA, Susumu

March 23rd (SAT)

16:40 - 16:50 2B4-47 Synthesis and Chiral Behavior of Ag^IRh^{III} and Au^IRh^{III} Pentanuclear Complexes with L-Cysteinate (Graduate School of Science, Osaka Univ.) LEE, Pei-shan; YUAN, Hou Qun; IGASHIRA, Asako; KUWAMURA, Naoto; YOSHINARI, Nobuto; KONNO, Takumi

March 24th (SUN)

9:30 - 9:50 3B4-04 Kinetic assembly of a thermally stable porous coordination network (AMS, POSTECH) KITAGAWA, Hakuba; OHTSU, Hiroyoshi; KAWANO, Masaki

10:10 - 10:20 3B4-08 Investigation of the coordination ability of complexed cyclen-based ligands (Tohoku University) KANDERU, Ramuji-; BURI-DORABU, Buraian; YAMASHITA, Masahiro

10:20 - 10:30 3B4-09 Effect of Intermolecular Interaction of Guest Molecule on Network Formation (Pohang Univ. of Science and Technology (POSTECH)) YAMADA, Tomofumi; KOJIMA, Tatsuhiko; YAKIYAMA, Yumi; EBIHARA, Masahiro; KAWANO, Masaki

10:30 - 10:50 3B4-10 Gas Phase Coordination Network Crystal Formation (AMS, POSTECH) KOJIMA, Tatsuhiko; CHOI, Wanuk; KAWANO, Masaki

10:50 - 11:10 3B4-12 Selective Encapsulation and Reaction of S₃ in a Porous Coordination Network (AMS, POSTECH) OHTSU, Hiroyoshi; CHOI, Wanuk; KAWANO, Masaki

March 25th (MON)

9:40 - 10:00 4B4-05 Reactivity and spectroscopic studies of bio-inspired iron porphyrin catalysts for fuel cell cathode reaction (Dept. of Chem., Kyushu Univ.; IMCE, Kyushu Univ.; I2CNER) NAGARAJU, Perumandla; LIU, Jing-gang; OHTA, Takehiro; NARUTA, Yoshinori

11:40 - 12:00 4B4-17 Photocatalytic Oxygenation of 10-methyl-9,10-dihydroacridine with O₂ Using a Manganese Porphyrin (Osaka Univ.; ALCA, JST) JUNG, Jieun; OHKUBO, Kei; FUKUZUMI, Shunichi

Room B5 (CO-LEARNING HOUSE II 803)**March 24th (SUN)**

16:10 - 16:30 3B5-44 Conformational Change-Induced Switching of the Emission Properties of a Dinuclear Alkynylplatinum(II) Pyridinedicarboxamide (Osaka Univ.) GROSS, Annika; MORIUHI, Toshiyuki; HIRAO, Toshikazu

March 25th (MON)

9:20 - 9:30 4B5-03 C-C Bond Cleavage Reaction of (Dihydroindenyl)titanium Complexes: Evidence for Titanium-Carbene Intermediate (Catalysis Research Center, Hokkaido Univ.) LI, Haijun; SONG, Zhiyi; NAKAJIMA, Kiyohiko; TAKAHASHI, Tamotsu

9:40 - 10:00 4B5-05 Dinitrogen Activation by Titanium Hydride (RIKEN) HU, Shaowei; SHIMA, Takanori; HOU, Zhaomin

10:40 - 10:50 4B5-11 Self-assembled Ru₆L₄ molecular capsule as a solution counterpart of Co₆L₄ networked capsules (School of Engineering, The Univ. of Tokyo; CREST) NING, Guo-hong; INOKUMA, Yasuhide; FUJITA, Makoto

11:00 - 11:10 4B5-13 Crystal engineering of barium coordination polymers with different inorganic dimensionalities (Kyoto University iCeMS) FOO, Maw Lin; HORIKE, Satoshi; KITAGAWA, Susumu

Room B6 (CO-LEARNING HOUSE II 804)**March 22nd (FRI)**

12:10 - 12:20 1B6-20 Manganese-Catalyzed Dimerization of 2-Hydroxyanthracenes (Catalysis Research Center, Hokkaido Univ.) ZHANG, Sicheng; SONG, Zhiyi; NAKAJIMA, Kiyohiko; TAKAHASHI, Tamotsu

14:40 - 14:50 1B6-35 Half-sandwich Scandium Boryl Complexes: Synthesis, Structure and Reactivity (RIKEN) WANG, Baoli; NISHIURA, Masayoshi; HOU, Zhaomin

16:10 - 16:20 1B6-44 Aryl Group Migration from Fe to P Atom on Mesityl[bis(phosphaethenyl)pyridine]iron(I) Complex (Institute for Chemical Research, Kyoto Univ.) LIN, Ya-fan; NAKAJIMA, Yumiko; OZAWA, Fumiyuki

March 23rd (SAT)

14:40 - 15:00 2B6-35 Highly efficient and selective D₂ generation and transfer deuteration with HCOOH/D₂O catalyzed by Ir complexes (AIST) WANG, Wanhui; HIMEDA, Yuichiro; HULL, Jonathan F.; MUCKERMAN, James T.; FUJITA, Etsuko

15:10 - 15:30 2B6-38 Sequential Oxidation/C-H Silylation Reactions of Benzyl Alcohols Catalyzed by Iridium Complexes

with Perimidine-based Carbene Ligands (Graduate School of Engineering Science, Osaka University) CHOI, Gyeongshin; TSURUGI, Hayato; MASHIMA, Kazushi

March 25th (MON)

11:40 - 12:00 4B6-17 Bifunctional Activation of Ammonia, Primary Amines, Hydrazine and Subsequent Metal-Mediated C-F Bond Cleavage to a New Family of Chiral Tridentate Ru and Ir-Catalysts (Graduate School of Science and Engineering, Tokyo Inst. of Tech) DUB, Pavel A.; IKARIYA, Takao

15:30 - 15:40 4B6-40 Formation of a Thiocarboxylato-Bridged Pt-Mn Complex by Desulfurization of Thiiranes: Mechanism and Reactivity (Tokyo Univ. of A & T) ZAMORA, MATTHEW THOMAS; KOMINE, Nobuyuki; HIRANO, Masafumi; KOMIYA, Sanshiro

Poster Room (AD-SEMINARIO)

March 23rd (SAT)

10:00 - 11:30 2PA-054 Syntheses and sorption functions of new porous metal complexes composed of fluorene motifs (JST-ERATO Kitagawa Project; Kyoto University) MA, Yun-sheng; MATSUDA, Ryotaro; KITAGAWA, Susumu

10:00 - 11:30 2PA-056 Electronic Structure and Coordination Environmental Dependence of Dinuclear Metal Complexes Having Multiple Bonds (Kagawa Univ.; Okayama Univ. of Sci.) NIK AFIZA, BINTI MOHAMAD MRAN; MATSUSHIMA, Ryo; IWAKURA, Masanori; OGASAWARA, Kazuyoshi; SAKANE, Genta; YAMASHITA, Masahiro; ISHII, Tomohiko

10:00 - 11:30 2PA-058 Ion conductivity of the 1-D copper coordination polymer (Kyoto Univ.) CHEN, Wenqian; HORIKE, Satoshi; KITAGAWA, Susumu

10:00 - 11:30 2PA-070 A new porous metal complex having large channels decorated with hydroxyl groups (JST-ERATO Kitagawa Project; Kyoto University) KANOO, Prakash; MATSUDA, Ryotaro; KITAGAWA, Susumu

10:00 - 11:30 2PA-078 Ru-Re based photocatalysts for solar CO₂ reduction (Kyushu Univ. Sci; IMCE; I2CNER) MOHAMED, Eman, A.; ZAHNAN, Zaki, N.; OHTA, Takehiro; NARUTA, Yoshinori

10:00 - 11:30 2PA-101 Synthesis and Characterisation of Ir,Pt-Centred Hybrid Molecular Devices for Photoinduced Hydrogen Evolution from Water (Kyushu University) SHELTON, Paul; KITAMOTO, Kyoji; SAKAI, Ken

10:00 - 11:30 2PA-103 Post-synthetic carrier doping into Covalent-Organic Frameworks (Tohoku Univ.) Hsieh, Chilin; TAKAISHI, Shinya; YAMASHITA, Masahiro

10:00 - 11:30 2PA-104 Host-Guest Chemistry Using Crown Ether and Nickel(II) Polyazamacrocyclic Complexes (Sunchon Nat. Univ.) KWAK, Chee-hun; CHUNG, Minchul; CHANG, Mee

10:00 - 11:30 2PA-136 Low-Valent, Dithiolato-Bridged Iron-Nickel Complexes as Structural Models for the Reduced Form of [NiFe] Hydrogenase (Graduate School of Science and Research Center for Materials Science, Nagoya University) LI, Zilong; NAGAHARA, Atsumu; OHKI, Yasuhiro; TATSUMI, Kazuyuki

10:00 - 11:30 2PA-162 Highly efficient hydrogen generation by dehydrogenation of formic acid with proton-responsive complexes (AIST) HIMEDA, Yuichiro; WANG, Wanhui; HULL, Jonathan F.; MUCKERMAN, James T.; FUJITA, Etsuko

【Cutting-edge interdisciplinary research on nucleic acid molecules to activate cell functions】

Room S5 (CO-LEARNING HOUSE I C109)

March 22nd (FRI)

10:20 - 10:40 1S5-04 Imaging RNA in Space and Time with Fluorescent Oligonucleotide Probes (iCeMS, Kyoto Univ.) Wang, Dan

【Energy and Related Chemistry】

Room B2 (CO-LEARNING HOUSE II C606)

March 22nd (FRI)

15:40 - 16:00 1B2-41 In-situ XAFS and electrochemical studies on Pt-Sn(oxidized)/C and Pt-Sn(reduced)/C cathode catalysts in polymer electrolyte fuel cells during oxygen reduction reaction processes (The University of Electro-Communications; JASRI/Spring-8) SAMJESKE, Gabor; NAGAMATSU, Shin-ichi; NAGASAWA, Kensaku; IMAIZUMI, Yoshiaki; TAKAO, Shinobu; SEKIZAWA, Oki; YAMAMOTO, Takashi; URUGA, Tomoya; IWASAWA, Yasuhiro

March 23rd (SAT)

9:10 - 9:20 2B2-02 RuO₂ Nanoparticles as Oxygen Evolution Reaction Catalysts for Li-O₂ Battery Cathode (RIKEN) YILMAZ, Eda; BYON, Hye Ryung

9:20 - 9:30 2B2-03 *In-situ* XRD Study of Li-O₂ Electrochemical Reaction in Rechargeable Lithium-Oxygen Battery (RIKEN) BYON, Hye Ryung; LIM, Hyunseob; YILMAZ, Eda

10:20 - 10:30 2B2-09 Tailoring the Structure of Phenanthroline Based Organic-Metallic Hybrid Polymers for Humidity Sensitive Conductivity (NIMS; JST-CREST) PANDEY, Rakesh Kumar; HOSSAIN, Md. Delwar; MORIYAMA, Satoshi; HIGUCHI, Masayoshi

March 24th (SUN)

9:30 - 9:50 3B2-04 Plasmon-assisted electron transfer reaction from gold nanoparticle to titanium dioxide electrode

probed by spectroelectrochemical analysis (RIES-Hokkaido Univ.; PRESTO-JST) SHI, Xu; UENO, Kosei; MISAWA, Hiroaki

9:50 - 10:10 3B2-06 Plasmon-assisted water splitting with a visible light radiation using gold nanoislands loaded oxide semiconductor (RIES-Hokkaido Univ.; PRESTO-JST) ZHONG, Yuqing; SHI, Xu; UENO, Kosei; MISAWA, Hiroaki

【Environmental and Green Chemistry, Geo and Space Chemistry】

Room C4 (FOREST HOUSE F104)

March 23rd (SAT)

10:20 - 10:30 2C4-09 Measurement of methyl ester, hydrocarbons, CO, CO₂ and particles emission from diesel power generator with diesel - biodiesel blend fuel (Sch. Eng., Osaka Pref. Univ.; Vietnam Academy of Science and Technology) PHAN, Quang Thang; CHIKAMORI, Noriaki; TAKENAKA, Norimichi

13:10 - 13:30 2C4-26 Decontamination of Environmental Radioactive Cesium (National Institute of Advanced Industrial Science and Technology) PARAJULI, Durga; KAWAMOTO, Tohru; TANAKA, Hisashi; FUKUDA, Shigeharu; KAMIMURA, Ryuichi

Poster Room (AD-SEMINARIO)

March 22nd (FRI)

10:00 - 11:30 1PA-062 Oxidative Degradation of Brominated Flame Retardants Catalyzed by a SBA-15 Supported Iron(III) Porphyrin (Hokkaido University) ZHU, Qianqian; MAENO, Shohei; NISHIMOTO, Ryo; MIYAMOTO, Takafumi; FUKUSHIMA, Masami

【Frontiers of Micro-Nano Analytical Devices -From Basic Research to Commercialization-】

Room SC (FOREST HOUSE F102)

March 25th (MON)

14:50 - 15:15 4SC-13 Development of Microfluidic Paper-Based Analytical Devices (microPADs) by Inkjet Printing Technology (Keio Univ.) Citterio, Daniel

【Functions of Materials】

Room C2 (FOREST HOUSE F102)

March 22nd (FRI)

10:40 - 11:00 1C2-11 High CO₂/CH₄ and C₂ Hydrocarbons/CH₄ Selectivity in a Chemically Robust Porous Coordination Polymer (iCeMS, Kyoto Univ.) DUAN, Jingui; HIGUCHI, Masakazu; KITAGAWA, Susumu

14:50 - 15:00 1C2-36 Comparison of Photo-switching behaviour of polyfluorinated cationic surfactants containing azobenzene moiety in various microenvironments (Grad. Sch. Urban Environmental Sci., Tokyo Metropolitan Univ.) RAMAKRISHNAN, Vivek; SASAMOTO, Shin; YAMAMOTO, Daisuke; NABETANI, Yu; TACHIBANA, Hiroshi; INOUE, Haruo

March 24th (SUN)

11:40 - 11:50 3C2-17 Plasmon coupling in gold nanoparticle chains probed by photoemission electron microscopy (RIES-Hokkaido Univ.; CRIS-Hokkaido Univ.; PRESTO-JST) YU, Han; SUN, Quan; UENO, Kosei; MISAWA, Hiroaki

【Material Chemistry】

Room C1 (FOREST HOUSE F101)

March 22nd (FRI)

16:20 - 16:40 1C1-45 Versatility of One-pot, Single-step Synthetic Approach for Spherical Mesoporous (Metal) Oxide Nanoparticles Using Supercritical Alcohols (Kochi Univ. of Technology) WANG, Pengyu; UENO, Kimiyoshi; YOKOYAMA, Kazuya; KOBIRO, Kazuya

March 23rd (SAT)

10:10 - 10:30 2C1-08 Amplified Exfoliation of Graphite by Molecularly Engineered Ionic Liquids (1): High-speed Exfoliation (School of Engineering, The Univ. of Tokyo) MATSUMOTO, Michio; PARK, Chiyong; SAITO, Yusuke; AIDA, Takuzo

10:30 - 10:40 2C1-10 Amplified Exfoliation of Graphite by Molecularly Engineered Ionic Liquids (2): Structural Effects of Ionic Liquids on High-speed Exfoliation (School of Engineering, The Univ. of Tokyo) SAITO, Yusuke; PARK, Chiyong; MATSUMOTO, Michio; AIDA, Takuzo

March 24th (SUN)

9:00 - 9:20 3C1-01 Palladium Nanoparticles (PdNPs) Incorporated Microporous Polymers: Influences of Ligand Properties on PdNPs Morphology and Catalytic Performances (Kawamura Inst. Chem. Res.; Donghua Univ.) YANG, Yaoyao; OGASAWARA, Shin; KATO, Shinji

10:30 - 10:50 3C1-10 Synthesis of Functionalized POSS Fillers for Regulating Refractive Indices of Polymers. (Graduate School of Engineering, Kyoto University) JEON, Jong-hwan; TANAKA, Kazuo; CHUJO, Yoshiki

March 25th (MON)

9:30 - 9:40 4C1-04 Titanium oxide nanoparticle-dispersed urethan resin production via Matrix Sputtering technique (Faculty of Engineering, Hokkaido Univ.) PORTA, Matteo; NARUSHIMA, Takashi; YONEZAWA, Tetsu

Poster Room (AD-SEMINARIO)**March 24th (SUN)**

15:00 - 16:30 3PC-031 Microstructure of mist deposited thin films using TiO₂ nanoparticle (IMRAM, Tohoku University) QIN, Gang; WATANABE, Akira

【Natural Products Chemistry】**Room D1 (FOREST HOUSE F108)****March 23rd (SAT)**

16:30 - 16:40 2D1-46 Studies on the Total Synthesis of Kendomycin (Grad. Sch. Life Sci., Tohoku Univ.) XU, Shu; SENGOKU, Tetsuya; EMORI, Yoshinori; OGURA, Kenji; KITADA, Kenji; ARIMOTO, Hirokazu

March 24th (SUN)

10:30 - 10:40 3D1-10 Synthetic study of myriocin using rearrangement reaction (Fac. Sci., Kochi Univ.) KINUTANI, Takahiro; ICHIKAWA, Yoshiyasu

11:20 - 11:30 3D1-15 Synthesis of Mycobacterium peptidoglycan (PGN) fragments containing diaminopimelic acid (DAP) (Grad. Sch. of Sci., Osaka Univ.) WANG, Qianqian; MATSUO, Yusuke; FUJIMOTO, Yukari; FUKASE, Koichi

Room D2 (FOREST HOUSE F109)**March 23rd (SAT)**

16:20 - 16:30 2D2-45 Synthesis of bis-sialylated *N*-glycan motifs using efficient α -sialylation (Osaka University) ZHOU, Jiazhou; MANABE, Yoshiyuki; TANAKA, Katsunori; FUKASE, Koichi

March 25th (MON)

15:30 - 15:40 4D2-40 Isolation and structure of a novel cyclic peptide that show anti-inflammatory activity (Univ. of Tsukuba) GISE, Baro; KAWAMURA, Atsushi; KITA, Masaki; KIGOSHI, Hideo

Poster Room (AD-SEMINARIO)**March 22nd (FRI)**

15:00 - 16:30 1PC-001 Constituents of *Lactuca raddeana* var. *elata* (Ichinoseki National College of Thecnology) SATO, Kiyoko

【Organic Chemistry -Reaction and Synthesis- Aliphatic and Alicyclic Compounds】**Room E4 (FOREST HOUSE F204)****March 22nd (FRI)**

14:00 - 14:10 1E4-31 New highly active boronic acid catalysts for dehydrative condensation reaction between carboxylic acids and amines (Nagoya Univ., CREST) LU, Yanhui; ISHIHARA, Kazuaki

17:20 - 17:30 1E4-51 Chiral Silver Phosphate Catalyzed Intramolecular Cyclization/Enantioselective Reduction of *ortho*-Alkynylaryl Ketones (Graduate School of Science, Tohoku Univ.) LI, Feng; TODA, Yasunori; TERADA, Masahiro

March 23rd (SAT)

9:20 - 9:30 2E4-03 Synthesis of Glutamic Acid Derivatives Utilizing Tunable Calcium-Catalyzed Chemoselective Asymmetric 1,4-Addition Reactions (Graduate School of Science, The Univ. of Tokyo) HUTKA, Martin; TSUBOGO, Tetsu; KOBAYASHI, Shu

13:50 - 14:00 2E4-30 Corriu-Kumada-Tamao Reaction at Room Temperature Catalyzed by Non-innocent Carbene Cross-linkage Copolymer Incarcerated Nickel Nanoparticles. (Graduate School of Science, The University of Tokyo) SOULE, Jean-francois; MIYAMURA, Hiroyuki; KOBAYASHI, Shu

15:20 - 15:40 2E4-39 Catalytic Enantioselective Alkenylation of Aldehydes Using α -Alkenylaluminum Reagents Generated by Ni-Catalyzed Hydroalumination of Terminal Alkynes (Kyoto Institute of Technology) KUMAR, Ravindra; HARADA, Toshiro

March 24th (SUN)

15:30 - 15:40 3E4-40 Cooperative Catalytic System of Platinum/Iridium Alloyed Nanoclusters and a Catechol Derivative: An Efficient Synthesis of Quinazolines Through a Sequential Aerobic Oxidative Process (Graduate School of Science, The Univ. of Tokyo) YUAN, Hao; YOO, Woo-jin; MIYAMURA, Hiroyuki; KOBAYASHI, Shu

Room E5 (FOREST HOUSE F205)**March 24th (SUN)**

10:30 - 10:40 3E5-10 Development of chiral carboxylic acid catalyst based on the self-assembly of an *ortho*-carboxyphenylboronic acid and a chiral diol (Graduate School of Science, Kyoto University) OSUNA GALVEZ, Alberto; HASHIMOTO, Takuya; MARUOKA, Keiji

11:10 - 11:20 3E5-14 Efficient synthesis of nitrogen containing compounds via organosuperbase catalysis (Graduate School of Science, the Univ. of Tokyo) HONEY, Mark; NAKANO, Junya; YAMASHITA, Yasuhiro; KOBAYASHI,

Shu

March 25th (MON)

12:10 - 12:20 4E5-20 Synthesis of hydrosilylated and thioether modified cinchona alkaloid based organocatalysts and their applications into asymmetric reactions (Toyohashi University of Technology) ISLAM, Md. Robiul; HARAGUCHI, Naoki; ITSUNO, Shinichi

Room E6 (FOREST HOUSE F206)

March 22nd (FRI)

17:00 - 17:10 1E6-49 Development of Efficient Approach to Medium-sized Heterocyclic Alkyne (Inst. for Materials Chemistry and Engineering, Kyushu Univ., Interdisciplinary Graduate School of Engineering Sciences, Kyushu Univ.) NI, Runyan; IGAWA, Kazunobu; TOMOOKA, Katsuhiko

March 24th (SUN)

15:10 - 15:20 3E6-38 Synthesis of Quantum Dot/Hydroxy-apo-10'-carotenal Conjugates for in vivo Visualization of Carotenoid-derived Volatile Compounds (Shizuoka University) VO, Anh Tu; JITSUKATA, Hoshimi; MASE, Nobuyuki; BALDERMANN, Susanne; WATANABE, Naoharu

【Organic Chemistry -Reaction and Synthesis- Aromatic Compounds】

Poster Room (AD-SEMINARIO)

March 24th (SUN)

12:30 - 14:00 3PB-050 Reduction of aromatic compounds with noble metal catalysts added Al powder in water (Graduate School of Science and Engineering, Saga University) UMMEY, Rayhan; YAMATO, Takehiko

【Organic Chemistry -Reaction and Synthesis- Heteroatom Compounds】

Room F3 (FOREST HOUSE F303)

March 23rd (SAT)

9:20 - 9:40 2F3-03 Organocatalyzed Enantioselective aza-MBH Reaction of Ketimines (ISIR, Osaka Univ. University of Bourgogne) TAKIZAWA, Shinobu; REMOND, Emmanuelle; ARTEAGA, Fernando Arteaga; YOSHIDA, Yasushi; BAYARDON, Jerome; VELLAISAMY, Sridharan; JUGE, Sylvain; SASAI, Hiroaki

16:30 - 16:50 2F3-46 Effect of structure and substitution on the one-electron redox reaction of organoselenium compounds. (Bhabha Atomic Research Centre, India) SINGH, Beena G.; IWAOKA, Michio; PRIYADARSINI, Indira K.

March 24th (SUN)

14:30 - 15:20 3F3-34 New Insights in Enabling Phosphorus Chemistry (VU University Amsterdam) Koop Lammertsma

March 25th (MON)

9:20 - 9:30 4F3-03 Reactivities of N-alkyl-S-fluoroiminosulfonium Salts towards Enolates. (Department of Applied Chemistry, Graduate School of Science and Technology, Univ. of Toyama) SHEIKH, Md. Chanmiya; KATOH, Kazuma; FUKUROI, Hironobu; YOSHIMURA, Toshiaki

11:00 - 11:50 4F3-13 Developing the chemistry of monovalent phosphorus (Nanyang Technological University) Francois Mathey

【Organic Chemistry -Reaction and Synthesis- Heterocyclic Compounds】

Room F2 (FOREST HOUSE F302)

March 23rd (SAT)

10:50 - 11:00 2F2-12 An Enantioselective Intramolecular Rauhut-Currier Reaction: Approach to ALPHA-Methylidene-GAMMA-butyrolactones using Organocatalyst (ISIR, Osaka University) NGUYEN, Tue; GROSSMAN, ANDRE; SUZUKI, Michitaka; TAKIZAWA, Shinobu; ENDERS, Dieter; SASAI, Hiroaki

March 24th (SUN)

15:00 - 15:20 3F2-37 Studies on the Reactivity of Trinitroquinolone and Functionalization (Kochi Univ. of Technology) CHEN, Xin; KOBIRO, Kazuya; SUGIMOTO, Ryuichi; SAIGO, Kazuhiko; NISHIWAKI, Nagatoshi

March 25th (MON)

10:20 - 10:30 4F2-09 Base-Mediated Carboxylation of Indole and Pyrrole Derivatives with Carbon Dioxide (Graduate School of Science, The Univ. of Tokyo) NGUYEN, Vu Quang Thanh; YOO, Woo-jin; KOBAYASHI, Shu

12:00 - 12:10 4F2-19 Stereoselective Synthesis of (+)-Batzellaside B from L-Pyroglutamic Acid (Faculty of Engineering, Shizuoka University) WIERZEJSKA, Jolanta; SUZUKI, Chihiro; SENGOKU, Tetsuya; TAKAHASHI, Masaki; YODA, Hidemi

【Organic Chemistry -Reaction and Synthesis- High-Throughput Synthesis】

Room D3 (FOREST HOUSE F110)

March 24th (SUN)

11:40 - 11:50 3D3-17 The Suzuki-Miyaura and Mizoroki-Heck reactions with a self-assembled poly(imidazole-palladium) catalyst (RIKEN) SARKAR, Shaheen; YAMADA, Yoichi; UOZUMI, Yasuhiro

【Organic Chemistry -Reaction and Synthesis- Metallo-organic Chemistry】

Room F4 (FOREST HOUSE F304)

March 22nd (FRI)

- 10:20 - 10:30 1F4-09 Nanoporous gold catalyst for highly efficient diborylation of alkynes (WPI-AIMR, Tohoku University) CHEN, Qiang; JIN, Tienan; ASAO, Naoki; YAMAMOTO, Yoshinori
10:30 - 10:40 1F4-10 Nanoporous gold catalyst for cross-dehydrogenative coupling via C-H bond activation (WPI-AIMR, Tohoku University) HO, Hon Eong; JIN, Tienan; ASAO, Naoki; YAMAMOTO, Yoshinori

March 23rd (SAT)

- 9:30 - 9:40 2F4-04 Iron-Catalyzed Directed C(sp³)H Bond Arylation with Organozinc Reagents (Univ. of Tokyo) SHANG, Rui; MATSUMOTO, Arimasa; ILIES, Laurean; NAKAMURA, Eiichi
9:40 - 9:50 2F4-05 Iron-Catalyzed Selective δ -Addition of Aryl Grignard Reagents to $\alpha,\beta,\gamma,\delta$ -Unsaturated Organophosphorus Compounds (Tokyo Institute of Technology) OH, Yun Taek; SUGANO, Goshi; HATA, Takeshi; URABE, Hirokazu
16:50 - 17:00 2F4-48 Ruthenium-Catalyzed Regioselective Addition of 1,3-Diketones to Terminal Alkynes (Graduate School of Science, Osaka Prefecture University) LOTARD, Benjamin; FUKUYAMA, Takahide; CELIA, Brancour; OKAMOTO, Hiromi; RYU, Ilhyong

March 25th (MON)

- 11:50 - 12:00 4F4-18 Copper-Catalyzed Amination of Hydrofullerenes via C-H Functionalization (WPI-AIMR, Tohoku University) SI, Weili; JIN, Tienan; ASAO, Naoki; YAMAMOTO, Yoshinori

Room F5 (FOREST HOUSE F305)

March 23rd (SAT)

- 9:00 - 9:20 2F5-01 Construction of an all-carbon quaternary stereocenter in a chiral form by using allylic substitution (Tokyo Institute of Technology; Department of Bioengineering) FENG, Chao; KOBAYASHI, Yuichi
9:40 - 10:00 2F5-05 Copper-Catalyzed Oxidative Transformation of Amidines for Synthesis of Azaheterocycles (Division of Chemistry and Biological Chemistry, School of Physical and Mathematical Sciences, Nanyang Technological University, Singapore) SANJAYA, Stephen; CHIBA, Shunsuke; CHEN, Hui
10:50 - 11:10 2F5-12 Copper-catalyzed boracarboxylation of styrenes with diborane and carbon dioxide (RIKEN) ZHANG, Liang; HOU, Zhaomin
15:00 - 15:20 2F5-37 Rhodium-catalyzed intra and intermolecular oxidative cross-coupling of (hetero)arenes with heterocycles via twofold C-H cleavage (Graduate School of Engineering, Osaka University) REDDY, Vutukuri Prakash; QIU, Renhua; IWASAKI, Takanori; KAMBE, Nobuaki

March 24th (SUN)

- 15:50 - 16:10 3F5-42 Cationic Ir(I)-Catalyzed Alkylation of Unreactive Bonds with Alkenes (Waseda University) PAN, Shiguang; MATSUO, Yusuke; RYU, Naoto; SHIBATA, Takanori

March 25th (MON)

- 12:00 - 12:10 4F5-19 Rh(I)-Catalyzed Carbonylative Arylation of Alkynes with Arylboronic Acids Using Formaldehyde as a Carbonyl Source (Nara Institute of Science and Technology) MORIMOTO, Tsumoru; WANG, Chuang; KAKIUCHI, Kiyomi; ARTOK, Levent

Room F6 (FOREST HOUSE F306)

March 22nd (FRI)

- 9:40 - 9:50 1F6-05 Enantioselective Pd(II)/Pd(IV) Catalysis Utilizing SPRIX Ligand: Effective Construction of Chiral Acetoxylated Tetrahydrofurans (ISIR, Osaka University) DHAGE, Yogesh; TAKENAKA, Kazuhiro; TAKIZAWA, Shinobu; SASAI, Hiroaki
9:50 - 10:00 1F6-06 Umpolung Reactivity of Pd Enolate: Cyclative Haloacetoxylation of Alkynyl Cyclohexadienones Catalyzed by Pd-SPRIX (ISIR, Osaka University) MOHANTA, Suman Chandra; TAKENAKA, Kazuhiro; TAKIZAWA, Shinobu; SASAI, Hiroaki
10:30 - 10:40 1F6-10 Transition metal-catalyzed regioselective alkylation of indoles with alcohols as alkylating reagents (Faculty of Life and Medical Sciences, Doshisha Univ.) PUTRA, Anggi; TAKIGAWA, Kei; TANAKA, Hatsuki; ITO, Yoshihiko; OE, Yohei; OHTA, Tetsuo
11:40 - 11:50 1F6-17 Highly Selective Synthesis of Multi-substituted Olefins through Silaboration of Alkynylboronates and chemoselective Suzuki-Miyaura Couplings (Graduate School of Natural Science and Technology, Okayama University and Department of Chemistry, Aichi University of Education) JIAO, Jiao; IWASAKI, Masayuki; NAKAJIMA, Kiyohiko; NISHIHARA, Yasushi

March 23rd (SAT)

- 10:30 - 10:40 2F6-10 Palladium-Catalyzed Three-Component Coupling using Arynes, Isocyanides, and Cyanofornates (Graduate School of Natural Science and Technology, Okayama University and Department of Chemistry, Aichi University of Education) LI, Jing; NOYORI, Shintaro; IWASAKI, Masayuki; NAKAJIMA, Kiyohiko; NISHIHARA, Yasushi
15:20 - 15:30 2F6-39 Catalytic enantioselective synthesis of spiro[4.4]nonanes and their applications to organocatalysis

【Organic Chemistry -Reaction and Synthesis- Organic Photochemistry】

Room D4 (FOREST HOUSE F111)

March 22nd (FRI)

- 14:30 - 14:40 1D4-34 Synthesis of Novel Caged-Glutamates and Their Photochemical Reactivity (Hiroshima Univ.;JST-CREST) BOINAPALLY, Srikanth; ABE, Manabu
15:00 - 15:10 1D4-37 Aerobic Oxidative Coupling Reactions of Tertiary Aliphatic Amines Under Visible-Light Photocatalysis (Graduate School of Science, The Univ. of Tokyo) YOO, Woo-jin; TANOUE, Arata; KOBAYASHI, Shu

【Organic Crystals】

Poster Room (AD-SEMINARIO)

March 24th (SUN)

- 15:00 - 16:30 3PC-133 Synthesize and Properties of Naproxen Cocrystals Containing Homochiral and Heterochiral Molecular Chains Essential to Induce Preferential Enrichment (Kyoto Univ) MANOJ, Kochunnoony; IWAMA, Sekai; TAKAHASHI, Hiroki; TSUE, Hirohito; TAMURA, Rui

【Physical Chemistry -Chemical Kinetics and Dynamics-】

Room G8 (PRISM HOUSE P114)

March 22nd (FRI)

- 9:20 - 9:30 1G8-03 Photodriven Electron Transport within the Columnar Perylene diimide Nanostructures Self-assembled with Porphyrins (Osaka Univ.; ALCA, JST) SUPUR, Mustafa; FUKUZUMI, Shunichi

March 23rd (SAT)

- 13:40 - 13:50 2G8-29 Electrochemical and electrochemical quartz crystal microbalance studies on deposition/dissolution of Li-O₂ species on a Au electrode in relation to the Li-air battery (National institute for materials science) JIE, Xiao; UOSAKI, Kohei
13:50 - 14:00 2G8-30 Role of Boron Nitride (BN) thin films on Au electrode for oxygen reduction reaction (ORR) (National Institute for Materials Science) ELUMALAI, Ganesan; NOGUCHI, Hidenori; MASUDA, Takuya; UOSAKI, Kohei
14:00 - 14:10 2G8-31 Effect of pH and anion on the potential dependent adsorption of oxygen at a gold electrode surface studied by electrochemical quartz crystal microbalance (NIMS; MANA; NIMS;) TONG, Shengfu; MASUDA, Takuya; NOGUCHI, Hidenori; UOSAKI, Kohei

March 24th (SUN)

- 11:10 - 12:00 3G8-14 Surprising selectivity in the activation and oxidation of methane by gas phase gold and gold-palladium clusters (Institute for Surface Chemistry and Catalysis, University of Ulm) Thorsten Marco Bernhardt

March 25th (MON)

- 13:20 - 13:40 4G8-27 Two-dimensional heterodyne-detected vibrational sum frequency generation spectroscopy of water at a charged interface with excess salt (RIKEN) SINGH, Prashant; NIHONYANAGI, Satoshi; YAMAGUCHI, Shoichi; TAHARA, Tahei

【Physical Chemistry -Properties-】

Room G7 (PRISM HOUSE P113)

March 22nd (FRI)

- 11:20 - 11:30 1G7-15 High-Efficiency Near-Infrared Organic Light-Emitting Devices Based on Iridium Complex with Negligible Efficiency Roll-off (Tsinghua University) TAO, Ran; QIAO, Juan

March 24th (SUN)

- 11:20 - 11:30 3G7-15 Alkyne protected gold clusters: stability, structure, and photophysical properties (Grad. Sch. Sci., The Univ. of Tokyo) MAITY, Prasenjit; YAMAZOE, Seiji; WAKABAYASHI, Tomonari; TSUKUDA, Tatsuya
12:00 - 12:10 3G7-19 Coherent Acoustic Phonon Dynamics of Gold Nanorods and Nanospheres in PVA Matrix and Their Temperature Dependence by Transient Absorption Spectroscopy (School of Science and Technology, Kwansai Gakuin University) WANG, Li; TAKEDA, Syouhei; TAMAI, Naoto

【Physical Chemistry -Structure-】

Room G6 (PRISM HOUSE P112)

March 22nd (FRI)

- 16:20 - 16:30 1G6-45 Angular Distribution of Desorbing CO₂ in Decomposition of Formate on Cu(111) on Cu(110) (Grad. Sch. Pure Appl. Sci., Univ. of Tsukuba) QUAN, Jiamei; SAKURAI, Masataka; MATSUSHIMA, Tatsuo; KONDO, Takahiro; NAKAMURA, Junji

17:30 - 17:50 1G6-52 Quantitative Estimate of the pH at Neutral Lipid/Water Interfaces Revealed by Heterodyne-Detected Electronic Sum Frequency Generation (RIKEN) KUNDU, Achintya; YAMAGUCHI, Shoichi; TAHARA, Tahei

March 24th (SUN)

11:40 - 12:00 3G6-17 Gas phase spectroscopy of acetaminophen - Reassignments of conformers by electronic and IR spectra (Tokyo Tech) SOHN, Woon Yong; ISHIUCHI, Shun-ichi; FUJII, Masaaki

【Physical Organic Chemistry -Reaction Mechanism-】

Poster Room (AD-SEMINARIO)

March 23rd (SAT)

12:30 - 14:00 2PB-159 Synthesis and Catalytic Properties of Porous Metal Complexes Functionalized with Radical Moieties (JST-ERATO Kitagawa Project; Kyoto University) LI, Liangchun; MATSUDA, Ryotaro; KITAGAWA, Susumu

【Physical Organic Chemistry -Structures and Properties-】

Room A2 (CO-LEARNING HOUSE I C104)

March 24th (SUN)

9:40 - 9:50 3A2-05 Synthesis and Properties of π -Extended Bithiophene Derivatives Containing Difluoroboron 1,3-Diketones (Nagoya Institute of Technology) YISILAMU, Yilihamu; ONO, Katsuhiko

March 25th (MON)

14:40 - 14:50 4A2-35 Selective Synthesis and Properties of Substituted Naphthylene Macrocycles (Grad. Sch. Sci., Tohoku Univ.) XUE, Jing; NAKAMURA, Yuta; NAKANISHI, Waka; ISOBE, Hiroyuki

Room A3 (CO-LEARNING HOUSE I C105)

March 22nd (FRI)

10:40 - 10:50 1A3-11 Structural Modification in Thienocarbazole Dyes for Improvement of Dye-Sensitized Solar Cell Performances (WPI-AIMR, Tohoku University) ZHAO, Jian; JIN, Tienan; ISLAM, Ashraf; ASAO, Naoki; HAN, Liyuan; YAMAMOTO, Yoshinori

15:10 - 15:20 1A3-38 Cyclopenta-fused polycyclic aromatic hydrocarbons as highly balanced ambipolar semiconductors in thin film organic field effect transistors (WPI-AIMR, Tohoku University) ZHANG, Xu; ONIWA, Kazuaki; JIN, Tienan; THANGAVEL, Kanagasekaran; SHIMOTANI, Hidekazu; ASAO, Naoki; TANIGAKI, Katsumi; YAMAMOTO, Yoshinori

15:50 - 16:00 1A3-42 Synthesis of M (M=Zn(II), Rh(III)) Porphyrin-imide Dyads connected to Single-Walled Carbon Nanotubes for Two Terminal Wired Single Molecular Diodes (Graduate School of Science, Osaka Univ.) MURNI, Handayani; GODA, Shun; TANAKA, Hirohumi; TANAKA, Daisuke; OGAWA, Takuji

March 23rd (SAT)

9:40 - 9:50 2A3-05 Investigation of the Reactivity of Antiaromatic Norcorrole (Department of Applied Chemistry, Graduate School of Engineering, Nagoya University) SHIN, Jiyoung; FUKUOKA, Takaki; SHINOKUBO, Hiroshi

16:10 - 16:20 2A3-44 Absorption, Aggregation and Electrochemical Properties of Pyridyloxyphthalocyanine Derivatives (Grad. Sch. Sci., Tohoku Univ.) TEIXEIRA TASSO, Thiago; FURUYAMA, Taniyuki; KOBAYASHI, Nagao

Room A4 (CO-LEARNING HOUSE I C106)

March 22nd (FRI)

9:00 - 9:10 1A4-01 Directional Assembly of α -Helical Peptides induced by Cyclization (Seoul National University) SIM, Seunghyun; KIM, Yongjoo; KIM, Taehoon; LIM, Sunhee; LEE, Myongsoo

9:10 - 9:20 1A4-02 Smart Nanofibers with Switchable Chirality from Self-assembly of Amphiphilic Macrocycles (Seoul National University) KANG, Jiheong; LIM, Sunhee; KIM, Yongju; LEE, Myongsoo

10:10 - 10:30 1A4-08 Hexaazaphthalene-based Proton Conductive Molecular Assemblies (Pohang Univ. of Science and Technology (POSTECH)) YAKIYAMA, Yumi; LEE, Gil-ryeong; KAWANO, Masaki

17:10 - 17:20 1A4-50 Studies on Self-Assemblies of Amide-Functionalized Octahydrodibenzo[12]annulenes on Graphite Surface and Attempts on Their Topochemical Polymerization (Graduate School of Engineering Science, Osaka University) GUO, Zhaoqi; TAHARA, Kazukuni; TOBE, Yoshito

Room A5 (CO-LEARNING HOUSE I C107)

March 23rd (SAT)

15:50 - 16:00 2A5-42 A shrunken cavity of an M_6L_4 coordination cage with remote bulky substituents and its guest encapsulation (Grad. School of Engineering, The Univ. of Tokyo) FANG, Yu; MURASE, Takashi; SATO, Sota; FUJITA, Makoto

March 24th (SUN)

13:50 - 14:00 3A5-30 Effect of Length and Structure of Axle Components on Shuttling Dynamics in [2]Rotaxane Molecular Shuttles (Graduate School of Engineering Science, Osaka University) YOUNG, Philip G.; HIROSE, Keiji; TOBE, Yoshito

Poster Room (AD-SEMINARIO)

March 23rd (SAT)

- 12:30 - 14:00 2PB-081 Synthetic Study of Stable Fluorenyl Radical Substituted with Anthracene (Graduate School of Science, Osaka University) TIAN, Yi; KURATA, Hiroyuki; HIRAO, Yasukazu; KUBO, Takashi
- 12:30 - 14:00 2PB-085 Synthesis of a Singlet Biradical for Generation of Two Electrons per Photon (Graduate School of Science, Osaka University) ELISHA, Tiu; HIRAO, Yasukazu; MATSUMOTO, Kouzou; KURATA, Hiroyuki; KUBO, Takashi
- 12:30 - 14:00 2PB-105 Synthesis of fluorescent chemosensors based on hexahomotrioxacalix[3]-arenes (Graduate School of Science and Engineering, Saga University) JIN, Cheng-cheng; JIANG, Xue-kai; YAMATO, Takehiko

【Polymer】

Room C5 (FOREST HOUSE F105)

March 22nd (FRI)

- 14:10 - 14:30 1C5-32 Construction of Two-Dimensional Donor-Acceptor Covalent Organic Frameworks and polymers and Insight into the Electron Transfer Events (Institute for Molecular Science; Japan Science and Technology Agency (JST)) JIN, Shangbin; NAGAI, Atsushi; JIANG, Donglin
- 14:40 - 15:00 1C5-35 Synthesis of two-dimensional porous covalent organic framework and polymers (Sokendai; Institute for Molecular Science; Japan Science and Technology Agency (JST)) CHEN, Xiong; NAGAI, Atsushi; JIANG, Donglin
- 15:00 - 15:10 1C5-37 Construction of New Heterogeneous Organocatalysts using Covalent Organic Frameworks (Sokendai; Institute for Molecular Science) XU, Hong; NAGAI, Atsushi; JIANG, Donglin
- 16:50 - 17:10 1C5-48 Exploring Two-dimensional Polymers and Framework for the Construction of Segregated Donor-Acceptor System (Institute for Molecular Science; Japan Science and Technology Agency (JST)) CHEN, Long; NAGAI, Atsushi; JIANG, Donglin
- 17:40 - 18:00 1C5-53 Electrochromic properties of organic-metallic hybrid polymers bearing two metal ion species (NIMS, JST-CREST) HU, Chih-wei; MORIYAMA, Satoshi; HIGUCHI, Masayoshi

March 23rd (SAT)

- 10:50 - 11:00 2C5-12 Photocatalytic activation of molecular oxygen using conjugated microporous polymers (Institute for Molecular Science) XU, Yanhong; NAGAI, Atsushi; JIANG, Donglin

March 24th (SUN)

- 17:20 - 17:30 3C5-51 An Electrochemically Switchable Organic Conducting Biomaterial toward Dynamic Coupling with Cells and Tissues (RIKEN Advanced Science Institute Yu Initiative Research Unit) LIN, Hsing-an

Room C6 (FOREST HOUSE F106)

March 22nd (FRI)

- 15:50 - 16:00 1C6-42 Catalyst-free surface modification using an orthogonal functionalizing agent (Department of Organic and Polymeric Materials, Tokyo Institute of Technology) CHEAWCHAN, Sumitra; KOYAMA, Yasuhito; OGAWA, Takahiro; UCHIDA, Satoshi; TAKATA, Toshikazu
- 16:00 - 16:20 1C6-43 Synthesis of Highly Reactive Polymer Nitrile $\langle I \rangle N \langle /I \rangle$ -Oxide and Its Application to Catalyst-free Grafting-Onto Reaction (Department of Organic and Polymeric Materials, Tokyo Institute of Technology) WANG, Chen-gang; KOYAMA, Yasuhito; UCHIDA, Satoshi; TAKATA, Toshikazu

March 23rd (SAT)

- 14:50 - 15:00 2C6-36 Synthesis and Characterization of Fe/Cu-Based Organic-Heterometallic Hybrid Polymers (NIMS; JST-CREST) HOSSAIN, Md.Delwar; HIGUCHI, Masayoshi
- 15:30 - 15:40 2C6-40 Kinetics and Stereochemical Control of 3-Hexylthiophene Polymerization Initiated by $FeCl_3$ (Kochi Univ. of Technology; School of Environmental Science and Engineering) LIU, Yi; SAIGO, Kazuhiko; NISHIWAKI, Nagatoshi; SUGIMOTO, Ryuichi

Poster Room (AD-SEMINARIO)

March 24th (SUN)

- 10:00 - 11:30 3PA-029 Gold Nanoparticles Stabilized by a Novel Hyperbranched Polystyrene Support as an Efficient and Recyclable Catalyst (Institute for Materials Chemistry and Engineering, Kyushu Univ, Nissan Chemical Industries, Ltd.) GAO, Lei; NISHIKATA, Takashi; TSUTSUMI, Hironori; KOJIMA, Keisuke; CHIKAMA, Katsumi; NAGASHIMA, Hideo
- 10:00 - 11:30 3PA-032 Cyclic organoboron electrolyte as lithium ion transport media (Sch. Mat. Sci., JAIST) VEDARAJAN, Raman; JOSHI, Prerna; MATSUMI, Noriyoshi
- 10:00 - 11:30 3PA-034 Ion Conductive Properties of Organic Inorganic Hybrid Ion-gels Composed of Borosilicate Glass and Low Viscous Ionic Liquids (Sch. Mat. Sci., JAIST) SAISMARAN, Kumar; VEDARAJAN, Raman; MATSUMI, Noriyoshi
- 10:00 - 11:30 3PA-036 Facile synthesis of polyoxythiophene based conducting polymers via direct C-H arylation (RIKEN) ZHAO, Haichao

【Resources Utilization Chemistry】

Room B1 (CO-LEARNING HOUSE II C605)

March 23rd (SAT)

16:10 - 16:20 2B1-44 Steam hydrolysis of bisphenol A polycarbonate in the presence of MgO (Grad. Sch. Environmental Studies, Tohoku Univ.) KAERRBRANT, Rikard; GRAUSE, Guido; KAMEDA, Tomohito; YOSHIOKA, Toshiaki

March 24th (SUN)

11:40 - 11:50 3B1-17 Evaluation of the steam decomposition process for the recycling of PVC (Grad. Sch. Environmental Studies, Tohoku Univ.) FONSECA, Juan; GURAUSE, Guido; KAMEDA, Tomohito; YOSHIOKA, Toshiaki

【Theoretical Chemistry, Informatics Chemistry and Computational Chemistry】

Room G3 (PRISM HOUSE P109)

March 25th (MON)

12:10 - 12:30 4G3-20 Kinetic Stability Governs Fullerene C₂₀-C₁₀₀ Abundances (Grad. Sch. Sci., Nagoya Univ.; WPI-ITbM, Nagoya Univ.) IRLE, Stephan; NISHIMURA, Yoshifumi; FEDOROV, Alexander S.; WITEK, Henryk A.