

## Oral Presentations

| Date    | Time    | No.   | Subject   | Authors  |  |
|---------|---------|---|---|--|--|
| Nov. 21 | 9:20    | 1002  | C-F Bond Cleavage of Trifluoromethylarenes by Ni(0)/NHC Complexes   | Hiroto Imiya, Masato Ohashi, Sensuke Ogoshi  |  |
|         | 9:40    | 1003  | Synthesis and complexation of bidentate N-heterocyclic carbenes with fluorine-containing electron withdrawing groups at 4,5 position  | Kodai Fukudome, Kota Ando, Sensuke Ogoshi, Masato Ohashi   |  |
|         | 10:00   | 1004  | Development of Trifluoromethylation Reactions using Freon™ 23   | hirano kazuki, okusu satoshi, gondo satoshi, shibata norio   |  |
|         | 10:20   | 1005  | Development of fluorine-containing luminescent tolane fluorine atom induced emission enhancement effect   | Morita Masato, Yamada Shigeyuki, Konno Tsutomu   |  |
|         | 10:40   | 1006  | De Novo Synthesis of Fluorinated Monosaccharides via Mukaiyama Aldol Reaction as a Key Reaction   | Toshiki Nokami, Kana Kuroda, Shiho Hayashi, Ayana Tsukahara, Keisuke Takayanagi, Toshiyuki Itoh  |  |
|         | 11:00   | 1007  | Visible-light perfluoroalkylation using simple amine and development to radical polymerization  | Miyu Tanaka, Tadashi Kanbara, Tomoko Yajima  |  |
|         | 11:20   | 1008  | Synthesis of PAHs from methylarenes via domino cyclization of difluoroalkenes   | Takao Go, Takahashi Hiroki, Ijima Shiori, Fuchibe Kohei, Ichikawa Junji  |  |
|         | 11:40   | 1009  | Development of fluoroalkylation reactions of alkenes using fluorinated acid anhydrides  | Shintaro Kawamura, Elena Valverde, Daisuke Sekine, Mikiko Sodeoka  |  |
|         | 12:00   | Lunch Break   |   |  |  |
|         | 13:00   | 1S13  | Characterization and Functionalization of Organic Ferroelectric Vinylidene Fluoride Molecules   | Kenji Ishida, Yasuko Koshiba, Tatsuya Fukushima  |  |
|         | 13:40   | 1015  | Preparation and Properties of Fluoroalkyl End-capped 2-Acrylamido-2-methylpropanesulfonic Acid Oligomer/Poly(vinyl alcohol) Composites  | Shinsuke Katayama, Masato Yasuta, Hideo Sawada   |  |
|         | 14:00   | 1016  | Nitrogen Doping of Single-Walled Carbon Nanotubes Using Defluorination  | Yokoyama Koji, Yoshinori Sato, Tetsuo Nishida, Yoshinori Sato  |  |
|         | 14:20   | 1017  | Investigations of Si etching process using fluorine gas   | Masanari Namie, Fumihiro Nishimura, Jae-Ho Kim, Susumu Yonezawa  |  |
|         | 14:40   | 1018  | Suppression of metal surface corrosion by layered double hydroxide containing acrylic gel sheet   | Kota Kamon, Masaki Matsui, Hideshi Maki, Minoru Mizuhata   |  |
|         | 15:00   | 1S19  | High temperature structure and dynamics of molten fluoride salts  | Catherine Bessada, Kelly Machado, Aydar Rakhmatullin, Didier Zanghi  |  |
|         | 15:40   | 1021  | Application of high temperature MAS NMR for the study inorganic fluorides   | Aydar Rakhmatullin, Frantisek Simko, Mathieu Allix, Emmanuel Veron, Catherine Bessada  |  |
|         | Nov. 22 | 9:00  | 2001  | Synthesis of heteroacenes using intramolecular cyclization reaction catalyzed by fluoride ions   | Katsutoshi Sekino, Ryosuke Shiki, Natsuki Takigawa, Naoki Shida, Hiroki Nishiyama, Ikuyoshi Tomita, Shinsuke Inagi |
| 9:20    |         | 2002  | Rhodium-Catalyzed [4 + 2] Cycloaddition of Biphenylene with Difluoroalkenes: Synthesis of Fluorinated Phenanthrenes   | Kosuke Sano, Yota Watabe, Masafumi Takeishi, Takeshi Fujita, Junji Ichikawa  |  |
| 9:40    |         | 2003  | Changes of the Fluorescence Properties Induced by Fluorine Atoms on the Naphthalene Ring  | Kengo Yamada, Yasuhiro Kubota, Toshiyasu Inuzuka, Tomohiro Agou, Toshio Kubota, Yohei Miwa, Shoichi Kutsumizu, Hiroaki Wasada, Kazumasa Funabiki |  |
| 10:00   |         | 2004  | Development of new nucleophilic fluorinating reagents using nucleophilic aromatic substitution  | Yukiko Karuo, Minoru Sakamoto, Taiga Oka, Atsushi Tarui, Kazuyuki Sato, Kentaro Kawai, Masaaki Omote   |  |
| 10:20   |         | 2005  | Solubility-Control of Fluorescent Dyes by Strongly Acidic Groups Containing Fluorine Atoms  | Shoki Hoshikawa, Yukiko Moriwa, Akio Yanagida, Takashi Matsumoto, Hikaru Yanai   |  |
| 10:40   |         | 2006  | Synthesis of dormant species initiator by photo induced iodoperfluoroalkylation and application to controlled radical polymerization  | Manami Uedo, Tadashi Kanbara, Tomoko Yajima  |  |
| 11:00   |         | 2007  | Preparation of Hydrophobic Surface of Polymers with High Dense Perfluoroalkyl Side Chains   | Takuya Matsumoto, Eichi Kannan, Takashi Nishino  |  |
| 11:20   |         | 2S08  | History of Fluorine Chemistry in the Early Days of Japan  | Shun-ichi Kodama   |  |
| 12:00   |         | Lunch Break   |   |  |  |
| 13:40   |         | 2015  | Unique Interaction between Perfluoroalkane and Interface  | Aki Fukumi, Takafumi Shimoaka, Nobutaka Shioya, Takeshi Hasegawa   |  |
| 14:00   |         | 2016  | Organofluorine Compounds-Specific Molecular Structure and Interaction Discussed on Phase Transition Temperatures  | Takafumi Shimoaka, Takeshi Hasegawa  |  |
| 14:20   |         | 2017  | Corrosion analysis for JLF-1 steel, a structural material for a nuclear fusion device, in molten LiF-NaF-KF by electrochemical methods  | Gaku Yamazaki, Yuta Suzuki, Takuya Goto, Takuya Nagasaka, Takashi Watanabe   |  |
| 14:40   |         | 2018  | Effect of pore blocking on nitrogen adsorption behavior of fluorinated activated carbon fibers  | Sugiyama Hironori, Hattori Yoshiyuki   |  |
| 15:00   |         | Break   |   |  |  |
| 15:20   |         | 2020  | Investigation of electrochemical reaction of fluorine-graphite intercalation compound containing copper fluoride for the cathode of all-solid-state fluoride-ion shuttle battery. | Yoshiaki Matsuo, Junichi Inamoto, Atsushi Mineshige, Miwa Murakami, Kazuhiko Matsumoto, Rika Hagiwara  |  |
| 15:40   |         | 2021  | Interaction of Fluoride Ion and Hydroxyl Proton in Alkali Metal Fluoride-Diol complex Salt  | Yuto Tonouchi, Kazuhiko Matsumoto, Rika Hagiwara   |  |
| 16:00   |         | 2022  | Synthesis of fluorine-containing helicenes  | Masaki Kohara, Yuuki Tamura, Tomohiro Agou, Hiroki Fukumoto, Toshio Kubota   |  |
| 16:20   | 2023    | Introduction of fluorine-containing functional groups into aza-heterocyclic compounds by decarboxylative functionalization of carboxylic acid | Ryouta Kawanishi, Lacksany Phongphane, Kosuke Nakada, Kazutaka Shibatomi  |  |  |
| 16:40   | 2024    | Generation and Reaction of Fluorine-Substituted Methylolithium Using Flow Microreactor  | Yusuke Takahashi, Marco Colella, Arianna Tota, Ryosuke Higuma, Renzo Luisi, Aiichiro Nagaki   |  |  |

## Poster Presentations (Nov. 21)

| Field   | Time  | No. | Subject   | Authors   |
|---|-------|-----|---|---|
| <b>Analytical and Environmental Chemistry</b> |       |     |   |   |
|   | 16:10 | P01 | Efficient Mineralization of Poly(VDF-co-MAF) in Low-temperature Subcritical Water in the Presence of Potassium Permanganate   | Ryo Honma, Hisao Hori, Sanjib Banerjee, Fernando Reis da Cunha, Bruno Ameduri   |
|   | 17:10 | P02 | Permanganate-Induced Efficient Mineralization of Fluorinated Ionic Liquids in Subcritical Water   | Satomi Oishi, Hiroki Kato, Ryuuta Kodama, Hisao Hori  |
|   | 16:10 | P03 | Complete Mineralization of ETFE in Subcritical Water in the Presence of Potassium Permanganate  | hamaurajin, takahashitoshiaki, horihisao  |
| <b>Inorganic Chemistry</b>                    |       |     |   |   |
|   | 17:10 | P04 | Synthesis of lithium transition-metal fluorides under ambient and high-pressure using solid fluorine sources  | Moemi Oyanagi, Yoshiyuki Inaguma, Koichiro Ueda   |
|   | 16:10 | P05 | Effects of deoxofluorination of graphite oxide with sulfur tetrafluoride on its structure   | Hiroki Yamamoto, Kazuhiko Matsumoto, Yoshiaki Matsuo, Yuta Sato, Rika Hagiwara  |
|   | 17:10 | P06 | Stabilization of alkali metal fluorocomplex salt using organic ligand   | Shunsuke Sawada, Yuki Haruki, Kazuhiko Matsumoto, Rika Hagiwara   |
|   | 16:10 | P07 | Current efficiency of fluorine gas generation at room temperature using Cs[(FH)2.45F] room temperature molten salt containing CuF2  | Keita Shima, Takuya Sugimoto, Kazuhiko Matsumoto, Rika Hagiwara   |
|   | 17:10 | P08 | Thermoelectric Properties of $\pi$ -Conjugated Nickel Complexes Containing a Fluorocarbon Polymer   | Ueda Kazuki, Nana Toyama, Mika Oku, Masahiro Muraoka, Michihisa Murata  |
|   | 16:10 | P09 | Synthesis of Nitrogen-Doped Graphite via Fluorination-Defluorination Process  | Minori Kokubo, Yoshinori Sato, Tetsuo Nishida, Yoshinori Sato   |
|   | 17:10 | P10 | Effects of surface fluorination on the formation of Ni-BN composite plating film  | Yuta Shimpo, Masanari Namie, Yui Nishigaki, Jae-Ho Kim, Susumu Yonezawa   |
|   | 16:10 | P11 | Preparation and evaluation of copper fluoride powder with high oxidation resistance and high conductivity   | Ryosuke Yokochi, Jae-Ho Kim, Susumu Yonezawa  |
|   | 17:10 | P12 | Preparation of Ni-PTFE composite film with high water repellency and the effect of heat treatment   | Yui Nishigaki, Yuta Shinpo, Jae-Ho Kim, Susumu Yonezawa   |
|   | 16:10 | P13 | Preparation and evaluation of Li4Ti5O12 using titanium-containing aqueous solution  | Ryota Honda, Hayato Suzuki, Jae-Ho Kim, Susumu Yonezawa   |
| <b>Organic Chemistry</b>                      |       |     |   |   |
|   | 17:10 | P14 | In-Situ Generation of Aryl Trifluoromethyl Ketones from Iodoarenes and Tandem Reduction Using the Dual Reactions of Turbo Grignard Reagent                                  | Ryunosuke Kani, Toshiyasu Inuzuka, Yasuhiro Kubota, Kazumasa Funabiki   |
|   | 16:10 | P15 | Catalytic Asymmetric Synthesis of Trifluoromethylated Tetraols Using Organocatalytic Asymmetric Aldol Reaction of Trifluoroacetaldehyde Hemiacetal                          | Toshiya Gotoh, Toshiyasu Inuzuka, Yasuhiro Kubota, Kazumasa Funabiki  |
|   | 17:10 | P16 | Syntheses and Property of Hexafluorocyclopentane-Fused Furans   | Takeya Suzuki, Seiya Nemoto, Tomohiro Agou, Hiroki Fukumoto, Toshio Kubota  |
|   | 16:10 | P17 | Facile synthesis of polyfluoro- $\alpha,\omega$ -diynes and their [2+2] cycloaddition   | Shogo Saruwatari, Tomohiro Shirai, Tomohiro Agou, Hiroki Fukumoto, Toshio Kubota  |
|   | 17:10 | P18 | Development of Copper-Catalyzed Trifluoromethylation of Haloalkenes   | Sichen Yue, Kazuki Komoda, Tsuyuka Sugiishi, Hideki Amii  |
|   | 16:10 | P19 | Synthesis of fluorine-containing pyrrole using trifluoromethylalkyne  | Ebinuma Aki, Sugiishi Tsuyuka, Amii Hideki  |
|   | 17:10 | P20 | Catalytic Trifluoromethylation by Use of Benzimidazoline Derivatives  | Nanami Kamiyama, Taisuke Ishikawa, Tatsuhiko Uchikura, Takahiko Akiyama   |
|   | 16:10 | P21 | Enantioselective Friedel-Crafts alkylation reaction of heterocyclic compounds with $\alpha$ -trifluoromethylated $\beta$ -nitrostyrenes catalyzed by chiral metal phosphate | Sosuke Yokohama, Mio Kaneko, Ignacio Ibanez Sanchez, Tatsuhiko Uchikura, Takahiko Akiyama                                 |
|   | 17:10 | P22 | Synthesis of Polyvinyl Ethers Containing a Fluoroalkyl Group  | Masaki Ueda, Yamada Shigeyuki, Kubota Toshio, Hukumoto Hiroki, Agou Tomohiro, Tsutomu Konno                               |
|   | 16:10 | P23 | Novel Introduction of Perfluoropolyether Unit into Aromatics  | Machiko Kawazoe, Masaki Ueda, Shigeyuki Yamada, Tsutomu Konno, Shinya Takano, and Takashi Nomura                          |
|   | 17:10 | P24 | Development of simple synthetic methods for unique organofluorine building block and the biological activity evaluation   | Yoshitaka Nomura, Yasuhiro Hirata, Masashi Takahashi, Noriaki Miyake, Mihoko Noro, Yasuhisa Matsukawa, Yoshitomi Morizawa |
|   | 16:10 | P25 | Efficient synthesis of a wide range of fluorine-containing compounds utilizing highly selective reductive addition reaction   | Makoto Matsuura, Yoshichika Kuroki, Yosuke Kishikawa, Shuhei Sumino, Misae Uno, Takahide Fukuyama, Ilhyong Ryu            |
|   | 17:10 | P26 | Selective Synthesis of Cyclic Compounds with a Tetrafluoroethylene Group Based on Highly Controlled Cyclization Process   | Suguru Morishitabara, Shigeyuki Yamada, Tsutomu Konno   |
|   | 16:10 | P27 | Synthesis of HF Complexes Using Amines and Strong Organic Bases and Their Application to Anodic Benzylic Fluorination   | Kaito Santa, Musashi Asano, Keiichi Muraoka, Toshiki Tajima   |
|   | 17:10 | P28 | [3+2]cycloaddition reaction of 2-monofluoromethyl-N-tosyl aziridine with aldehydes  | Keiichi Sato Takeshi Hanamoto   |
|   | 16:10 | P29 | Cross-coupling reaction of (Z)-2-bromo-2-CF <sub>3</sub> -vinyl benzyl sulfide and its synthetic application  | Genki Ikeda Takeshi Hanamoto  |
|   | 17:10 | P30 | Ring-Opening Fluorination of an Epoxide Using Various HF Complexes  | Keiichi Muraoka, Toshiki Tajima   |
|   | 16:10 | P31 | Investigation of Addition of Cu-N, and Cu-S to Tetrafluoroethylene and Following Coupling Reaction  | Denise Eimi Sunagawa, Naoyoshi Ishida, Masato Ohashi  |
|   | 17:10 | P32 | Fluorination of Boron Ketoiminates as an Aggregation-Induced Emission Fluorophore: Synthesis and Characterization   | Kazuyuki Sato, Akira Kawasaki, Yukiko Karuo, Atsushi Tarui, Kentaro Kawai, Masaaki Omote                                  |
|   | 16:10 | P33 | Synthesis of CF <sub>2</sub> Substituted Fluorescent Coumarin Core Bearing Push-pull System and its fluorescence Performance  | A. Tarui, K. Tsututani, S. Emi, K. Sato, H. Hashiguti, Y. Karuo, K. Sato, K. Kawai, K. Tani, M. Omote                     |

| Field   | Time  | No. | Subject  | Authors  |
|---|-------|-----|--|--|
|   | 17:10 | P34 | CsF-Catalyzed Pentafluoroethylation of Aromatic Acyl Fluorides Using Tetrafluoroethylene   | Naoyoshi Ishida, Denise Eimi Sunagawa, Masato Ohashi, Sensuke Ogoshi   |
|   | 16:10 | P35 | Synthesis of fluorinated polyxylylene analogues by reductive coupling polymerization using Ni (0)  | Hideki Ito, Anna Shigaki, Takuya Tsuruta, Sensuke Ogoshi   |
|   | 17:10 | P36 | Development of Cascade-type aldol reaction using Krapcho Decarboxylation   | Hiroshi Shimomura, Atsuhiko Tarui, Yukiko Karuo, Kentaro, Kawai. Masaaki Omote   |
|   | 16:10 | P37 | Asymmetric Dearomatizing Fluorination of Indole Derivatives under Phase-Transfer Catalysis   | Hirofumi Egami, Ryo Hotta, Minami Otsubo, Taiki Rouno, Kenji Yamashita, Tomoki Niwa, Yoshitaka Hamashima                   |
|   | 17:10 | P38 | Synthesis of novel fluorine-containing amino acids and their application to cell penetrating peptides  | Toshiki Mikami, Kohsuke Aikawa, Jumpei Morimoto, Shinsuke Sando, Kyoko Nozaki, Takashi Okazoe                              |
|   | 16:10 | P39 | Construction of quaternary carbon centers containing a CF <sub>3</sub> group by N-heterocyclic carbene-catalyzed 1,6-addition reactions of aldehydes to p-quinone methides generated in situ | Kyu Terashima, Tomoko Kawasaki-Takasuka, Takashi Yamazaki  |
|   | 17:10 | P40 | Cooperative action of cohesive force between perfluoroalkyl chains and H-bonding between dipeptide parts on the molecular aggregation of ammonium amphiphiles                                | Kousuke Fujimoto, Takafumi Shimoaka, Takeshi Hasegawa, Norihiro Yamada   |
|   | 16:10 | P41 | Formation of Helical Superstructure Induced by Axial Chirality of a Perfluoroalkyl Chain   | Ami Fukushi, Kousuke Fujimoto, Takafumi Shimoaka, Takeshi Hasegawa, Norihiro Yamada  |
|   | 17:10 | P42 | Generation of Monofluoroalkyl Radicals using Strongly Reducing Organic Photoredox Catalyst: New Synthetic Methods of $\beta$ -Fluoroketones  | Ryo Taniguchi, Naoki Noto, Takashi Koike, Munetaka Akita   |
|   | 16:10 | P43 | Synthesis of Trifluoromethyl Group Substituted 1,3-Enynes by the Palladium-Catalyzed Alkynylation of 2,3,3-Trifluoroallylic Carbonates with Terminal Alkynes                                 | Atsushi Mochizuki, Yuji Hoshino, Hiroaki Tsuji, Motoi Kawatsura  |
|   | 17:10 | P44 | Reactivity of persistent perfluoroalkyl radical  | Azusa Sato, Maksym V. Ponomarenko, Taizo Ono, Alicja Wzorek, Midori Okada, Gerd-Volker Roeschenthaler, Vadim A. Soloshonok |
|   | 16:10 | P45 | Reactions of 4-bromo-4,4-difluorocrotonate with glycine imines   | Yuko Nakamura, Modori Okada, Hikaru Yanai, Takeo Taguchi   |
|   | 17:10 | P46 | Synthesis and Physical Properties of Fluorine-Substituted Mimics of Natural Chlorophyll-a  | Kohei Nakano, Shin Ogasawara, Hitoshi Tamiaki  |
|   | 16:10 | P47 | Introduction Reaction of Fluorinated Carboxyl Groups via Silver-Catalyzed Ligand Coupling of Diaryliodonium(III) Salts   | Keina Komiyama, Kotaro Kikushima, Mina Saito, Yasuyuki Kita, Toshifumi Dohi  |
|   | 17:10 | P48 | Reactivity of Triflylated Carbanion: Selectivity in C-C Bond Forming Reaction with Vinyl Carbocation   | Hikaru Yanai, Yuuki Fujimoto, Takashi Matsumoto, Irene Martn-Mejas, Cristina Aragoncillo, Pedro Almendros                  |
|   | 16:10 | P49 | Electrochemical fluorination of $\pi$ -extended Tellurophenes  | Naoki Shida, Hiroki Nishiyama, Feng Zheng, Ikuyoshi Tomita, Shinsuke Inagi   |
|   | 17:10 | P50 | Chlorodifluoromethylation reaction using chlorodifluoroacetic anhydride  | Yuma Aoki, Shintaro Kawamura, Cassandra J. Henderson, Daisuke Sekine, Shu Kobayashi, Mikiko Sodeoka                        |
|   | 16:10 | P51 | Synthesis of Fluorinated Cyclic Ethers by Intramolecular Radical Cyclization Reaction  | Ofuji Yu, Kanbara Tadashi, Yajima Tomoko   |
|   | 17:10 | P52 | Application of <sup>14</sup> N-decoupled HOESY for <sup>19</sup> F-mediated amide hydrogen bonds   | Keiko Hasumi, Hiroaki Utsumi, Hiroaki Sasakawa   |
| <b>Physical Chemistry, Materials Chemistry, Polymer Chemistry, Pharmacy</b> |       |     |  |  |
|   | 16:10 | P53 | Vibration Generator Characterization of Unimorph Cantilever Devices Using Piezoelectric Fluorinated Polymer Films  | Yasuko Koshiba, Akiko Kobayashi, Shohei horike, Tatsuya Fukushima, Isaku Kanno, Kenji Ishida                               |
|   | 17:10 | P54 | Effect of Fluorination of Pseudo-cyclic Ether Phospholipid on Membrane Properties and Structure and Function of Membrane Protein   | Rui Kawahara, Toshiyuki Takagi, Hiroshi Takahashi, Takashi Kikukawa, Hideki Amii, Masashi Sonoyama                         |
|   | 16:10 | P55 | Controlled Radical Copolymerization of $\alpha$ -Trifluoromethylstyrenes   | Yuriko Ito, Tadashi Kanbara, Tomoko Yajima   |
|   | 17:10 | P56 | Development of Novel Perfluoropolyether-containing Block Copolymers and Their Characteristics  | Shota Shibutani, Kenji Adachi, Sadahito Aoshima  |
|   | 16:10 | P57 | Mechanical Property and Skeletal Conformation in Crystalline Regions of Tetrafluoroethylene-Vinyl Alcohol Copolymers   | Hitomu Mushiaki, Takuya Matsumoto, Takashi Nishino   |
|   | 17:10 | P58 | Development of fluorinated polymer utilizing reactivity of trifluorovinyl group  | Kazuto Yoshinari, Tomohiro Shirai, Tomohiro Agou, Hiroki Fukumoto, Toshio Kubota   |
|   | 16:10 | P59 | Evaluation of photophysical property for enediyne-type luminophores with hexafluorocyclopentene-based bent core  | Shigeyuki Yamada, Akito Nishizawa, Tsutomu Konno   |
|   | 17:10 | P60 | Evaluation of physical properties for light-emitting liquid-crystalline polymers bearing polyfluorinated bistolane-based side-chain  | Shigeyuki Yamada, Mitsuda Akira, Tsutomu Konno   |
|   | 16:10 | P61 | Effect of substitution pattern of fluorine-containing tolane on physical properties  | Shigeyuki Yamada, Tsuyoshi Tanaka, Tsutomu Konno   |
|   | 17:10 | P62 | Influence of Center Alkylene Chain Length of Fluorine-Containing Dimer and Orientation Direction of Ester Group on Gelation Ability  | Ryoichiro Yoshihara, Koutaro Kanetada, Yuki Morita, Hiroaki Okamoto  |
|   | 16:10 | P63 | Electroreductive Synthesis of Perfluoropolyphenylene Films and Their Structural Analysis   | Keita Tomioka, Wataru Ito, Toshiki Tajima  |
|   | 17:10 | P64 | Post-functionalization of Octafluorobiphenyl-containing $\pi$ -Conjugated Polymers Based on Nucleophilic Aromatic Substitution Reaction  | Kazuyuki Ninomiya, Takanobu Nishikawa, Naoki Shida, Hiroki Nishiyama, Ikuyoshi Tomita, Shinsuke Inagi                      |
|   | 16:10 | P65 | Electrochemical properties of gel electrolyte using fluorinated gelator  | Takumi Sugiura, Junya Yamaguchi, Yuki Morita, Hiroaki Okamoto  |
|   | 17:10 | P66 | Influence of Fluoroalkyl Chain Length on Gelation Ability of Low Molecular Weight Organic Compounds Having Fluorine Substituent at Both Terminal Position                                    | Daiki Mizobe, Yuki Murata, Yuki Morita, Hiroaki Okamoto  |