

## Poster session (17:30–19:30, 21 May)

The size of the poster is 850 mm (W) x 1600 mm (H). Please put your poster on the board by 13:30 on 21 May (Poster room will open at 9:00). The pins will be prepared by the secretariat. Please remove your poster immediately after the session will be over.

| First author      | Abstract title   |
|-------------------|--|
| Yuki Iwatsuki     | OPTICAL PROPERTIES OF OXIDE FLUORIDE GLASS CONTAINING TbF <sub>3</sub> AND SmF <sub>3</sub>  |
| Ryusin Shiun      | CRYSTAL STRUCTURE AND ELECTROCHEMICAL PROPERTIES OF Nd <sub>2</sub> Eu <sub>2</sub> O <sub>3</sub> F <sub>6</sub>  |
| Hayato Umeda      | PREPARATION OF HIGHLY PURE LIPF <sub>6</sub> BY USING FLUORINE GAS   |
| Yoshiaki Matsuo   | PREPARATION AND FLUORESCENT PROPERTIES OF DYE-ATTACHED SilyLATED LAYERED SILICATES CONTAINING PERFLUOROALKYL GROUPS  |
| Kenshiro Iwasa    | PREPARATION OF TRANSPARENT CONDUCTING CARBON FILM FROM SilyLATED GRAPHITE OXIDE CONTAINING PERFLUOROALKYL GROUPS   |
| Yuhki Kotaka      | Effect of Treatment with Creaning and Impurity contained in Crystalline 4H-SiC on Smoothness of its Surface etched by RIE using NF <sub>3</sub> Gas Plasma |
| Kiyoko Sakamoto   | THERMOPROFILES ON THE FORMATION OF FLUORIDATED HYDROXYAPATITE FROM TRICALCIUM  |
| Junko Ichihara    | USE OF FLUORAPATITE IN OXIDATIVE DEHYDRATION OF TERPENE  |
| Toshifumi Matsui  | SYNTHESES AND PROPERTIES OF MTFSA (M = Ag, Cu, In)   |
| Yukari Shibuya    | STUDIES ON ELECTRONIC STRUCTURES OF FLUORINATED SINGLE WALLED CARBON NANOTUBES BY XPS  |
| Hidekazu Touhara  | FLUORINATION OF NANOCARBONS AND POTENTIAL USE  |
| Shigehito Deki    | Preparation of Alkali Titanium Oxide Thin Film by the Liquid Phase Deposition Method   |
| Yuji Hashimoto    | DOUBLE STEP FLUORINATION OF GRAPHITE TO PREPARE CF <sub>x</sub>  |
| Jerome Lhoste     | TUNING OF THE SYNTHESIS CONDITIONS OF NANOSTRUCTURED HTB ALUMINIUM FLUORIDE  |
| Wei Zhang         | Fluorination of naodiscs and nanocones   |
| Young-Seak Lee    | FLUORINATION EFFECTS OF ELECTROSPUN FIBERS BASED ON SUSTAINED DRUG RELEASE   |
| Young-Seak Lee    | FLUORINATION EFFECTS IN COMPLEX OF ELECTROSPUN FIBERS AND PHOTOCATALYST ON PHOTODEGRADATION  |
| Yoshinosuke Usuki | 2-FLUORO-3-PHENYL-ALLYLTRIMETHYLSILANE: A NEW REAGENT FOR HOSOMI-SAKURAI REACTION  |
| Petr Beier        | NUCLEOPHILIC FLUOROALKYLATIONS WITH PHOSPHONATES   |
| Arata Takahashi   | Tetrakis(trifluoromethanesulfonyl)propane: A highly effective Bronsted acid catalyst for C-C bond forming reactions using 2-silyloxyfurans                 |
| Hikaru Yanai      | Trifluoroacetaldehyde <i>N,O</i> -acetals: Useful building blocks for functionalized digluoromethylene compounds   |
| Kensuke Sato      | Regio- and stereoselective synthesis of functionalized fluoro-olefins using gem-difluoroallylic substrates   |
| Tatsuya Hayasaka  | KETONE-ALPHA-FLUOROALCOHOL EQUILIBRIUM IN HF   |

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| Ryoko Kinugawa      | MULTI-SUBSTITUTED FLUORINE-CONTAINING ALKENES VIA HIGHLY STEREOSELECTIVE PALLADIUM-CATALYZED BISSTANNYLATION                            |
| Kazuki Moriyasu     | TRANSITION METAL-CATALYZED [2+2+2] CYCLIZATION OF VARIOUS FLUORINE-CONTAINING ALKYNES   |
| Yoshikazu Takahashi | STUDIES ON THE INTRODUCTION OF A TETRAFLUOROETHYLENE (-CF <sub>2</sub> CF <sub>2</sub> -) UNIT INTO ORGANIC MOLECULES                   |
| Masahiro Takauchi   | THE REACTION OF TETRAFLUOROSUCCINIC ACID DERIVATIVES WITH VARIOUS ORGANOMETALLICS   |
| Munenori Inoue      | TRANSITION-METAL CATALYZED TRI(DI)FLUOROMETHYLATION   |
| Kazumasa Funabiki   | COMPLEMENTARY ASYMMETRIC SYNTHESIS OF ALPHA-PERFLUOROALKYLPROLINOLS   |
| Masaaki Omote       | REACTIVITY OF DIFLUOROVINYLSILANE   |
| Taryn March         | New Methods for the Synthesis of $\alpha$ -Fluoro and $\alpha,\alpha$ -Difluoro- $\beta$ -amino Acids                                   |
| Andrej V. Matsnev   | DEVELOPMENT OF NOVEL ELECTROPHILIC TRIFLUOROMETHYLATING REAGENTS  |
| Yohsuke Watanabe    | Facile and efficient hydration of CF <sub>3</sub> -containing propargylic tosylates and carboxylates                                    |
| Banibrata Das       | Design, Synthesis, Photophysical and Photodynamic Properties of Perfluoroalkylated Phthalocyanines Conjugated with Deoxyribonucleosides |
| Takuji Ishitani     | Acetal Claisen Rearrangement of $\gamma$ -CF <sub>3</sub> Allylic Alcohols and Their Application to Aliphatic Heterocycles              |
| Takeshi Hanamoto    | REACTION OF FLUOROACETYLENE DERIVATIVES   |
| Takeshi Hanamoto    | REACTION OF TITANIUM(II)-(TRIFLUOROMETHYL)SILYLACETYLENE COMPLEX WITH CARBONYL COMPOUNDS  |
| Shinichi Ogawa      | CINCHONA ALKALOID/ LEWIS ACID CATALYZED ASYMMETRIC TANDEM ALDOL-CYCLIZATION REACTION USING TRIFLUOROPYRUVATE                            |
| Tatsuya Furukawa    | ENANTIOSELECTIVE MICHAEL ADDITION REACTION USING 1-FLUOROBIS(PHENYLSULFONYL)METHANE   |
| Toshio Kubota       | KECK RADICAL ALLYLATION OF FLUORINE-CONTAINING $\alpha$ -HALOCARBONYL COMPOUNDS   |
| Toshio Fuchigami    | Facile and Highly Efficient Synthesis of Fluorinated Heterocycles via Prins Cyclization in Ionic Liquid Hydrogen Fluoride Salts         |
| Shun Noritake       | DEVELOPMENT OF ELECTROPHILIC ENANTIOSELECTIVE TRIFLUOROMETHYLATION REACTION   |
| Tomoya Fujiwara     | EXPANDING THE CFTA METHOD: DETERMINATION OF ABSOLUTE CONFIGURATIONS OF $\alpha$ -METHYL- $\alpha$ -AMINO ESTERS                         |
| Hiroyuki Kawai      | ENANTIOSELECTIVE TRIFLUOROMETHYLATION OF CARBONYLS CATALYZED BY CHIRAL CROWN ETHERS   |
| Takuya Hirakawa     | Regioselective Synthesis of Trifluoromethyl Group Substituted Allylic Amines via Palladium-catalyzed Allylic Amination                  |
| Takeshi Hanamoto    | $\beta$ -TRIFLUOROMETHYL- $\alpha$ -FUNCTIONALIZED VINYL SULFIDES   |
| Itsumaro Kumadaki   | $\alpha$ -Fluoroalkylation of Carbonyl Compounds Involving a Highly Reactive Alkyl-Rhodium Complex                                      |
| Hiroyuki Tanabe     | Electrophilic Activation and Cyclizations of 1,1-Difluoroalkenes with Cationic Palladium(II) Catalyst                                   |
| Masahiro Ikeda      | Nucleophilic 5-endo-trig Cyclizations of Fluoro Alkenes via Metalloenolates and Metalloenamides   |
| TAIZO ONO           | FLUORO-ARMORED PERSISTENT RADICALS AS INNOVATIVE MATERIALS  |
| Tatsuya Mori        | New Ester Compound with Strong Insecticidal Activity against Mosquitoes   |
| Yasushi Matsumura   | SYNTHESIS AND PHARMACOLOGICAL PROPERTIES OF A NEW POTENT ANTI-GLAUCOMA AGENT, TAFLUPROST  |
| Yumiko Takagi       | SIMPLE PREPARATION OF OPTICALLY PURE ALCOHOL USING IONIC LIQUID THROUGH LIPASE CATALYZED REACTION                                       |
| Ippei Tokihara      | ELECTROCHEMICAL PROPERTIES OF SURFACE FLUORINATED LITHIUM CONTAINING TRANSITION METAL COMPOSITE   |
| Yukio Sasaki        | ELECTROCHEMICAL PROPERTIES OF FLUORINATED METHYL PROPYL CARBONATE AND ITS APPLICATION TO SECONDARY LITHIUM BATTERIES                    |

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| Takashi Achiha     | ELECTROCHEMICAL BEHAVIOR OF NON-FLAMMABLE ORGANO-FLUORINE COMPOUNDS FOR LITHIUM ION BATTERIES   |
| Akimi Ueno         | EFFECT OF SURFACE FLUORINATION ON THE CHARGE/DISCHARGE BEHAVIOR OF LITHIUM TITANATE FOR LITHIUM ION BATTERY   |
| Kenichi Hashimoto  | ELECTROCHEMICAL BEHAVIOR OF LUORINATED VAPOR GROWN CARBON FIBER   |
| Kazuhiko Matsumoto | FLUOROHYDROGENATE IONIC LIQUIDS AS ELECTROLYTES IN ELECTRIC DOUBLE LAYER CAPACITORS   |
| Kenzo Takahashi    | Property of Electoric doble layer capacitor using Fluoro Electrolyte  |
| Hiroyuki Arima     | PROPERTIES OF P(VDF-TFE) USING AS BINDER  |
| Miharu Matsumura   | Capacitor Properties of PVDF Films  |
| Takatsugu Kanatani | PHYSICO-CHEMICAL PROPERTIES OF IONIC LIQUIDS BASED ON TRANSITION METAL FLUOROCOMPLEX ANIONS   |
| Naohiro Terasawa   | Electrochemical properties and actuation mechanisms of actuators using carbon nanotube-ionic liquid gel   |
| Hiroyuki Omori     | EFFECT OF CURRENT DENSITY AND $Ni^{2+}$ ION ADDITIVE ON ELECTROLYTIC SYNTHESIS OF $NF_3$ USING BORON-DOPED DIAMOND ANODE                                |
| Tomohiro Isogai    | ELECTROLYTIC CONDUCTIVITY AND VISCOSITY OF LOW TEMPERATURE MOLTEN FLUORIDES CONTAINING HF   |
| Ryosuke Taniki     | PLASTIC CRYSTAL BEHAVIOR OF FLUOROHYDROGENATE SALTS   |
| Hitomi Miyawaki    | ELECTROCHEMICAL PROPERTIES OF FLUORO-ETHERS ELECTROLYTE   |
| Tadashi Narita     | Novel Anionic Polyaddition of 2-Trifluoromethylacrylates by Double Michael Addition with Ethyl Cyanoacetate   |
| Toshio Kubota      | TRANSPARENT POLYMER CONTAINING PARTIALLY FLUORINATED SPIRO-CYCLIC MAIN CHAIN  |
| Hoai Nam Pham      | A Novel Antibacterial Teflon PFA/Silver Nanocomposite   |
| Akihiro Hosoya     | Synthesis and Polymerization of Novel Fluoroalkyl 2-Trifluoromethylacrylates  |
| Eli Mukai          | Ferroelectrics characteristics of polyvinylidene fluoride copolymer   |
| Naoko Sumi         | FLUORO POLYMER DISPERSION FOR COATINGS  |
| Kimiaki Kashiwagi  | Development of High-performance Perfluorinated Polymer Electrets  |
| Hiroshi Kakehi     | FLUOROALKYL END-CAPPED OLIGOMER POSSESSING A NONFLAMMABLE CHARACTERISTIC IN SILICA GEL MATRICES EVEN AT 800 °C UNDER ATMOSPHERIC CONDITIONS             |
| Yuki Goto          | INTERACTION OF ORGANIC DYES WITH CROSS-LINKED FLUOROALKYL END-CAPPED OLIGOMERIC NANOCOMPOSITES AND PHOTODEGRADATION OF ORGANIC DYES IN THESE COMPOSITES |
| Xinlai Liu         | PREPARATION AND THERMAL STABILITY OF PERFLUORO-1,3-PROPANEDISULFONIC ACID/SILICA NANOCOMPOSITES   |
| Masaki Mugisawa    | ARCHITECTURE OF LINEAR ARRAYS OF FLUORINATED COOLIGOMERIC NANOCOMPOSITES-ENCAPSULATED GOLD NANOPARTICLES  |
| Yoshio Hayakawa    | SYNTHESIS OF POLYSTYRENES BEARING HIGHLY BRANCHED HEXAFLUOROPROPENE TRIMER PENDANTS   |
| Hirokazu Takagi    | APFO alternative potentiality for perfluoropolyether surfactants derived from AGC's "PERFECT" process   |
| Tomonori Umezaki   | Etching of $HfSiO_x$ film by the mixture of 1,1,1,5,5,5-hexafluoro-2,4-pentanedione and HF  |
| Hisao Hori         | Efficient Decomposition of Environmentally Persistent Perfluorocarboxylic Acids and Related Fluorochemicals in Hot Water                                |
| Noriaki Masuda     | EFFECT OF CsF-CONTENT in MIXED MELTS OF $(CH_3)_3NmHF + CsF \cdot 2.3HF$ ON $(CF_3)_3N$ FORMATION   |
| Akira Sekiya       | GLOBAL WARMING ANALYSIS OF GHGS BY TTPG COMPARED WITH GWP AND TWPG  |
| Junko Ichihara     | Fluorapatite-Assisted Oxidation of Sulfide Aiming at Green Process  |

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| Takashi Sasaki | DEVELOPMENT OF FLUORINATED MATERIALS FOR IMMERSION LITHOGRAPHY                                 |
| Min Zhang      | GAS-PHASE ACIDITIES OF FLUORINATED SUPERACIDS  |
| Min Zhang      | STUDY ON THE GAS-PHASE ACIDITIES OF SOME HFC COMPOUNDS WITH CHAIN, CYCLIC, AND CAGE STRUCTURES |

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