Poster Presentation ／ ポスター発表

Odd Number: Jun. 6, Fri. after lunch – 14:00 (core time 13:00 – 14:00)
Even Number: Jun. 7, Sat. after lunch – 14:00 (core time 13:00 – 14:00)

奇数番：6 月 6 日（金）昼食後 – 14:00（拘束時間 13:00 – 14:00）
偶数番：6 月 7 日（土）昼食後 – 14:00（拘束時間 13:00 – 14:00）

PP-01 振動円二色性分光法のパーフルオロアルキル基ゲルへの応用
（愛媛大学院理工[1]，お茶大院人間文化[2]，東邦大理[3]）〇佐藤久子[1]，野上栄美子[2]，矢島知子[2]，山岸皓彦[3]
"VCD Studies on Supramolecular Chirality of Perfluorinated Gels"
Hisako Sato,[1] Emiko Nogami,[2] Tomoko Yajima,[2] Akihiko Yamagishi[3] ([1]*Graduate School of Science and Engineering, Ehime University,* [2]*Ochanomizu University,* [3]*Department of Chemistry, Toho University*)

PP-02 メタルフリーなキラル磁性ヒドロゲルの調製とその性質
（京大院人間環境[1]，阪大院工[2]，阪大院基礎工[3]）〇武元佑紗[1]，山本貴之[1]，大西啓太[1]，鈴木克明[1]，伊熊直彦[2]，内田幸明[3]，下野智史[1]，高橋弘樹[1]，津江広人[1]，加藤立久[1]，山内　淳[1]，田村　類[1*]
"Preparation and properties of metal-free chiral magnetic hydrogels"
Yusa Takemoto,[1] Takayuki Yamamoto,[1] Keita Onishi,[1] Katsuaki Suzuki,[1] Naohiko Ikuma,[2] Yoshiaki Uchida,[3] Satoshi Shimono,[1] Hiroki Takahashi,[1] Hirohito Tsue,[1] Tatsuhisa Kato,[1] Jun Yamauchi,[1] Rui Tamura[1*] ([1]*Graduate School of Human and Environmental Studies, Kyoto University,* [2]*Graduate School of Engineering, Osaka University,* [3]*Graduate School of Engineering Science, Osaka University*)

PP-03 ヘキサン中におけるキラルフェンコンの相互作用についての研究
（近畿大理工）〇冨樫　平，神山　匡，藤澤雅夫，木村隆良
"Enthalpic descrimination of chiral fenchones in hexane solution"
Hitoshi Togashi, Tadashi Kamiyama, Masao Fujisawa, Takayoshi Kimura (*Department of Chemistry, Kinki University*)

PP-04 キラルロタキサンからの空間不斉伝達による効率的不斉 O–アシル化
（東工大院理工）〇徐　坤，中薗和子，高田十志和
"Efficient Asymmetric *O*-acylation via Through-space Chirality Transfer based on Rotaxane Structure"
Kun Xu, Kazuko Nakazono, Toshikazu Takata (*Department of Organic and Polymeric Materials, Tokyo Institute of Techonology*)

PP-05 点不斉とロタキサン分子不斉ユニットからのポリアセチレン主鎖へのキラリティー伝達効果
（東工大院理工）〇松浦一生，石割文崇，中薗和子，高田十志和
"Helix-inducing Ability of Point Chirality and Topological Chirality Placed in The Side Chain of Polyphenylacetylenes"
Kazuki Matsuura, Fumitaka Ishiwari, Kazuko Nakazono, Toshikazu Takata (*Dept. of Organic and Polymeric Materials, Tokyo Institute of Technology*)

PP-06 発光性ナフタレンユニットの空間的配置制御に基づく円偏光発光(CPL)特性制御
（近畿大院[1]，阪大院工[2]，NAIST[3]）尼子智之[1]，森　直[2]，井上佳久[2]，藤木道也[3]，○今井喜胤[1]
“Control of Circularly Polarized Luminescence (CPL) by Geometrically Arranging Four Naphthalene Units with a Tartaric Acid Backbone”
Tomoyuki Amako,[1] Tadashi Mori,[2] Yoshihisa Inoue,[2] Michiya Fujiki,[3] Yoshitane Imai[1] (*[1]Kinki University, [2]Osaka University, [3]NAIST*)

PP-07 ピレンユニットを導入した軸不斉ビナフチル化合物の円偏光発光(CPL)特性
（近畿大院[1]，NIMS[2]，東京理科大[3]，NAIST[4]）○中林和輝[1]，尼子智之[1]，田島暢夫[2]，黒田玲子[3]，藤木道也[4]，今井喜胤[1]
“Circularly Polarized Luminescence (CPL) Property in Axially Chiral Binaphthyl Compound having Pyrene Unit”
Kazuki Nakabayashi,[1] Tomoyuki Amako,[1] Nobuo Tajima,[2] Reiko Kuroda,[3] Michiya Fujiki,[4] Yoshitane Imai[1] (*[1]Kinki University, [2]NIMS, [3]Tokyo University of Science, [4]NAIST*)

PP-08 炭素-窒素軸不斉キノリノン誘導体の構造と回転障壁
（芝浦工大応化）○鈴木裕哉，高橋　功，北川　理
“Relationship between the Structures and the Rotational Barriers in N-C Axially Chiral 3,4-Dihydroquinolin-2-one Derivatives”
Yuya Suzuki, Isao Takahashi, Osamu Kitagawa (*Department of Applied Chemistry, Shibaura Institute of Technology*)

PP-09 還元条件下における糖脂質の立体選択的合成
（東北大院工）○李　格非，永木麻理奈，野口真人，正田晋一郎
“Regio- and stereoselective synthesis of glycolipids under reductive conditions”
Gefei Li, Marina Nagaki, Masato Noguchi, Shin-ichiro Shoda (*Graduate School of Engineering, Tohoku University*)

PP-10 J-1700 及び FVS-6000 による真空紫外-赤外領域フルレンジ CD 測定
（日本分光）○近藤吉朗，早川広志，赤尾賢一，眞砂　央，名越利之
“Full-range CD Measurement from VUV to IR Region Using J-1700 and FVS-6000”
Yoshiro Kondo, Hiroshi Hayakawa, Ken-ichi Akao, Hisashi Masago, Toshiyuki Nagoshi (*JASCO Corporation*)

PP-11 トリペプチド配位子のホモキラルな環状金属錯体形成
（お茶大院理）○関川未奈，三宅亮介
“Homochiral Formation of Cyclic Complexes with Tripeptide Ligands”
Mina Sekikawa, Ryosuke Miyake (*Ochanomizu University*)

PP-12 キラルなスチルベンジアミンから誘導した四座のシッフ塩基を配位子とする Y(III), La(III), Gd(III)単核錯体の発光特性
（千葉工大[1]，日本原子力研究開発機構[2]，愛教大化[3]）○鈴木かおり[1]，槌本昌信[1]，青柳　登[2]，渡邉雅之[2]，中島清彦[3]
“Synthesis and luminescence properties of mononuclear Y(III), La(III), Gd(III) complexes with tetradentate Schiff base ligands derived from chiral stilbenediamine”
Kaori Suzuki,[1] Masanobu Tsuchimoto,[1] Noboru Aoyagi,[2] Masayuki Watanabe,[2] Kiyohiko Nakajima[3] (*[1]Chiba Institute of Technology, [2]Japan Atomic Energy Agency, [3]Aichi University of Education*)

PP-13 サレンマクロサイクルが有する面性キラリティの遠隔制御
（名大院工[1]，名大 VBL[2]）○間宮文彦[1]，逢坂直樹[2]，八島栄次[1]
“Remote Stereocontrol of Planar Chirality in Salen Macrocycles”
Fumihiko Mamiya,[1] Naoki Ousaka,[2] Eiji Yashima[1] ([1]*Department of Molecular Design and Engineering, Graduate School of Engineering, Nagoya University,* [2]*Venture Business Laboratory, Nagoya University*)

PP-14 キラルなペプチド配位子を用いた銀イオンの集積
（お茶大院理）○三宅亮介，中川結希
“Assembly of Ag(I) ions using chiral peptide ligands”
Ryosuke Miyake,Yuki Nakagawa (*Ochanomizu University*)

PP-15 デンドロン型メソゲン部を末端に有するキラルエチニルヘリセンオリゴマーの合成と会合およびサーモトロピック液晶形成
（東北大院薬[1]，東北大学学際科学フロンティア研究所[2]）○齋藤　望[1,2]，山口雅彦[1]
“Synthesis, Aggregation, and Thermotropic Liquid Crystal Formation of Chiral Ethynylhelicene Oligomers Possessing Dendric Mesogenic Moieties”
Nozomi Saito,[1,2] Masahiko Yamaguchi[1] ([1]*Graduate School of Pharmaceutical Sciences, Tohoku University,* [2]*Frontier Research Institute for Interdisciplinary Sciences, Tohoku University*)

PP-16 金属＋金属酸化物触媒によるアミノ酸の選択的水素化
（東北大院工）○田村正純，田村　陸，中川善直，冨重圭一
“Selective hydrogenation of amino acid over metal + metal oxide catalyst”
Masazumi Tamura, Riku Tamura, Yoshinao Nakagawa, Keiichi Tomishige (*Graduate School of Engineering, Tohoku University*)

PP-17 スルホンアミドヘリセンオリゴマーによる「数 1,2 を数える」分子機能
（東北大院薬）○重野真徳，串田　陽，小林雄太，山口雅彦
“Molecular Function of Counting the Numbers 1 and 2 Exhibited by Sulfonamidohelicene Tetramer”
Masanori Shigeno, Yo Kushida, Yuta Kobayashi, Masahiko Yamaguchi* (*Department of Organic Chemistry, Graduate School of Pharmaceutical Sciences,Tohoku University*)

PP-18 *t*-ブチル基を有する軸不斉キラルアミノホスフィンの合成とその応用
（千葉大院工）○三野　孝，浅川　源，山田　遥，八木下史敏，坂本昌巳
“Synthesis and Application of Axially Chiral Aminophosphines with *t*-Butyl Group”
Takashi Mino,* Minato Asakawa, Haruka Yamada, Fumitoshi Yagishita, Masami Sakamoto (*Department of Applied Chemistry and Biotechnology, Graduate School of Engineering, Chiba University*)

PP-19 リボフラビン二量体を主鎖に有する新規光学活性高分子の合成と機能
（名大院工）○中島慶美，岩花宗一郎，飯田拡基，八島栄次
“Synthesis and Function of a Novel Optically Active Polymer Containing a Riboflavin-Dimer Unit as the Main-Chain”
Yoshimi Nakajima, Soichiro Iwahana, Hiroki Iida, Eiji Yashima (*Department of Molecular Design and Engineering, Graduate School of Engineering, Nagoya University*)

PP-20 円偏光吸収および円偏光発光測定システムの開発

（福岡大工[1]，日本分光[2]）原田拓典[1]，○髙本　真[1]，梶山直樹[1]，早川広志[2]，渡辺正行[2]，三島健司[1]

“Dual-purpose circular dichroism and circularly polarized luminescence spectrophotometer: Development and application”

T. Harada,[1] M. Takamoto,[1] N. Kajiyama,[1] H. Hiroshi,[2] M. Watanabe,[2] K. Mishima[1] ([1]*Department of Chemical Engineering, Faculty of Engineering, Fukuoka University,* [2]*JASCO Corporation*)

PP-21 表面プラズモン共鳴増強によるキラル光学特性評価

（福岡大工[1]，東京理科大[2]，近大理工[3]）○梶山直樹[1]，石坂　慶[2]，梅村和夫[2]，谷口直哉[3]，今井喜胤[3]，三島健司[1]，原田拓典[1]

“Plasmon-Resonance-Enhanced CD and CPL for Self-Assembly Meso-tetrakis(4-sulfonatophenyl)-porphyrin Composite interacted with Ag nanoparticles”

N. Kajiyama,[1] K. Ishizaka,[2] K. Umemura,[2] Y. Imai,[3] N. Taniguchi,[3] K. Mishima,[1] T. Harada[1] ([1]*Department of Chemical Engineering, Faculty of Engineering, Fukuoka University,* [2]*Tokyo University of Science,* [3]*Department of Applied Chemistry, Faculty of Science and Engineering, Kinki University*)

PP-22 軸性不斉アニリン型酸−塩基触媒による分子内不斉交差アルドール反応

（京大化研）○馬場智明，山本純也，古田　巧，川端猛夫

“Intramolecular asymmetric cross-aldol reaction catalyzed by axially chiral acid-base catalysts bearing aniline type amine”

Tomonori Baba, Junya Yamamoto, Takumi Furuta, Takeo Kawabata (*Institute for Chemical Research, Kyoto University*)

PP-23 チアカリックス[6]アレーン−カリウム錯体のエタノール分子包接による超分子キラル結晶構造

（秋田大院工学資源）○近藤良彦，濱田文男

“Chiral Crystal Structure of Thiacalix[6]arene-Potassium Complex with Ethanol Molecules”

Yoshihioko Kondo, Fumio Hamada (*Graduate School of Engineering and Resource Science, Akita University*)

PP-24 ジアリールプロリノールを触媒とするジクロロアセトアルデヒドの不斉クロスアルドール反応

（東北大院理）林雄二郎，○渡邊翔也，中村大地，安井祐介，佐藤　格

“Diarylprolinol Catalyzed Asymmetric Cross Aldol Reaction of Dichloroacetaldehyde”

Yujiro Hayashi*, Shoya Watanabe, Daichi Nakamura, Yusuke Yasui, Itaru Sato (*Graduate School of science, Tohoku University*)

PP-25 光学活性オキシカルボニルヘリセンオリゴマーのラセン二量体形成

（東北大院薬）重野真徳，○伊藤達也，山口雅彦

“Helix-Dimer Formation of Optical Active Oxycarbonylhelicene Oligomers”

Masanori Shigeno, Tatsuya Ito, Masahiko Yamaguchi (*Department of Organic Chemistry, Graduate School of Pharmaceutical Sciences, Tohoku University*)

PP-26 ビピリジン部位を有する二重らせん型ホウ素ヘリケートの合成と構造

（名大院工）○鈴木規真，山本慎也，田浦大輔，飯田拡基，八島栄次

“Synthesis and Structure of a Double-Stranded Boron Helicate Bearing Bipyridyl Units.”

Yoshimasa Suzuki, Shinya Yamamoto, Daisuke Taura, Hiroki Iida, Eiji Yashima (*Department of Molecular Design and Engineering, Graduate School of Engineering, Nagoya University*)

PP-27 キノリン－オキサゾール骨格からなるオリゴアミドフォルダマーの創製と構造解析

（お茶大院理[1]，ヨーロッパ化学生物学研究所[2]）○工藤まゆみ[1,2]，Victor Maurizot[1]，棚谷　綾[2]，Ivan Huc[1]

"Synthesis and Conformational Analysis of Quinoline-Oxazole Oligoamide Foldamers"

Mayumi Kudo,[1, 2] Victor Maurizot,[1] Aya Tanatani,[2] Ivan Huc[1] ([1]*Department of Chemistry, Faculty of Science, Ochanomizu University,* [2]*Institut Européen de Chimie et Biologie*)

PP-28 フェンバレレート類縁体の合成と発毛活性

（東海大工[1]，東海大医[2]）○毛塚智子[1]，川島一騎[1]，藤井誠史郎[2]，眞鍋泰明[2]，小澤　明[2]

"Synthesis and the hair growth promoting effect of Fenvalerate analogs"

Satoko Kezuka,[1] Kazuki Kawashima,[1] Seishiro Fujii,[2] Yasuaki Manabe,[2] Akira Ozawa[2] ([1]*Department of Applied Chemistry, School of Engineering, Tokai University,* [2]*Department of Dermatology, School of Medicine, Tokai University*)

PP-29 SCH64874 の構造決定

（東北大院薬[1]，タイ国立遺伝子工学バイオテクノロジーセンター[2]）○山田香織[1]，藤原栄人[1]，Malipan Sappan[2]，伊坂雅彦[2]，岡野健太郎[1]，徳山英利[1]

"Structural Determination of SCH64874"

Kaori Yamada,[1] Hideto Fujiwara,[1] Malipan Sappan,[2] Masahiko Isaka,[2] Kentaro Okano,[1] Hidetoshi Tokuyama[1] ([1]*Graduate School of Pharmaceutical Sciences, Tohoku University,* [2]*National Center for Genetic Engineering and Biotechnology (BIOTEC)*)

PP-30 ラジカル転位環化反応を用いた Histrionicotoxin 類の合成研究

（東北大院薬）我妻弘基，○佐藤　学，大学明広，高須清誠，岡野健太郎，徳山英利

"Stereoselective Construction of Azaspirocyclic Ring: Synthetic Studies on Histrionicotoxins"

Hiroki Azuma, Manabu Sato, Akihiro Daigaku, Kiyosei Takasu, Kentaro Okano, Hidetoshi Tokuyama (*Graduate School of Pharmaceutical Sciences, Tohoku University*)

PP-31 結晶化による軸不斉の発現とキラルメモリー効果を利用した不斉合成法の開発

（千葉大学共用機器センター[1]，千葉大院工[2]，徳島大院[3]）○八木下史敏[1]，三野　孝[2]，河村保彦[3]，坂本昌巳[2]

"Asymmetric synthesis using homochirality generated by spontaneous crystallization of achiral coumarincarboxamide"

Fumitoshi Yagishita,[1] Takashi Mino,[2] Yasuhiko Kawamura,[3] Masami Sakamoto,[2] ([1]*Center for Analytical Instrumentation, Chiba University,* [2]*Graduate School of Eng., Chiba University,* [3]*The University of Tokushima*)

PP-32 リチウムアセチリドをアルキニル化剤としたカルボニル化合物の不斉アルキニル化反応

（熊本大薬[1]，熊本大院先導機構[2]）○竹本大次郎[1]，久木田健次[1]，田中佳奈[1]，大坂間順規[1]，小谷俊介[2]，中島　誠[1]

"Enantioselective Alkynylation of Carbonyl Compounds Using Lithium Acetylides as Alkynylating Reagents"

Daijiro Takemoto,[1] Kenji Kukita,[1] Kana Tanaka,[1] Kazuki Osakama,[1] Shunsuke Kotani,[2] Makoto Nakajima[1] ([1]*Graduate School of Pharmaceutical Sciences,* [2]*Priority Organization for Innovation and Excellence, Kumamoto University*)

PP-33 架橋オボムコイドタンパク質を用いたハイスループットキラルカラムの開発
（信和化工）○森　信哉，吉田政史，福澤興祐，和田啓男
“Development of a High-Throughput Chiral Column using a Cross-linked Ovomucoid Protein”
Nobuya Mori, Masashi Yoshida, Kosuke Fukuzawa, Hiroo Wada (*Shinwa Chemical Industries Ltd.*)

PP-34 セロビオハイドロラーゼを固定化した充填剤による光学分割
（武庫川女大薬）○松永久美，萩中　淳
“Separation of enantiomers on chiral stationary phases based on cellobiohydrolase”
Hisami Matsunaga, Jun Haginaka (*School of Pharmacy and Pharmaceutical Sciences, Mukogawa Women’s University*)

PP-35 ヘリセン及びヘリセン様化合物の効率的不斉合成法の開発
（阪大産研）滝澤　忍，吉田泰志，小寺純平，佐古　真，○土井貴裕，笹井宏明*
“Development of Efficient and Enantioselective Syntheses of Helicene and Helicene-like Molecules”
Shinobu Takizawa, Yasushi Yoshida, Junpei Kodera, Makoto Sako, Takahiro Doi, Hiroaki Sasai* (*The Institute of Scientific and Industrial Research (ISIR), Osaka University*)

PP-36 光学活性 Salen 型コバルト錯体によるニトロオレフィン類と窒素求核剤の不斉 Michael 付加反応
（東海大工）○勝又允隆，小林　巧，志村竜樹，栗田　譲，毛塚智子
“Chiral cobalt(II)-salen-catalyzed Michael addition of nitrogen nucleophiles to β-substituted nitroolefins”
Yoshitaka Katsumata, Takumi Kobayashi, Tatsuki Shimura, Yuzuru Kurita, Satoko Kezuka (*Department of Applied Chemistry, School of Engineering, Tokai University*)

PP-37 アリール基の導入によるキラル大環状化合物の不斉認識能の強化
（岡山大院自然科学）○渡部沙葵梨，山崎隆之，前田千尋，依馬　正
“Enhancement of the Chiral Recognition Ability of Chiral Macrocyclic Compounds by Introduction of Aryl Substituents”
Sagiri Watanabe, Takayuki Yamasaki, Chihiro Maeda, Tadashi Ema (*Graduate School of Natural Science and Technology, Okayama University*)

PP-38 ニトロアルカンとβ,β−二置換アクロレインとの有機触媒によるマイケル反応を用いた不斉四級炭素構築法
（東北大院理[1]，東理大工[2]）林　雄二郎[1]，川本雄也[1]，本田真崎[2]，岡村大地[1]，○野口柚華[1]，向山貴祐[1]，佐藤　格[1]
“Organocatalyzed asymmetric Michael reaction of nitroalkanes and β,β-disubstituted α,β-unsaturated aldehydes for the construction of all-carbon quaternary stereogenetic centers”
Yujiro Hayashi,[1] Yuya Kawamoto,[1] Masaki Honda,[2] Daichi Okamura,[1] Yuka Noguchi[1], Takasuke Mukaiyama,[1] Itaru Sato[1] ([1]*Graduate School of Science, Tohoku University,* [2]*Faculty of Engineering, Tokyo University of Science*)

PP-39 水酸基を持つキラルグアニジンを触媒とする共役付加反応の開発
（兵庫県大院物質理）○森田明茜，御前智則，杉村高志
“Development of Conjugate Addition Reaction Using Chiral Guanidine Catalyst Bearing a Hydroxy Group”
Akane Morita, Tomonori Misaki, Takashi Sugimura (*Graduate School of Material Science, University of Hyogo*)

PP-40 ジアリールプロリノールを触媒とするアルキニルアルデヒドの不斉アルドール反応

（東北大院理[1]，東理大工[2]）林　雄二郎[1]，小島正裕[2]，安井祐介[1]，神田悠太[1]，向山貴祐[1]，正村宏樹[1]，○中村大地[1]，Ritmaleni[1]，佐藤　格[1]

“Diarylprolinol in an asymmetric, direct cross-aldol reaction with alkynyl aldehydes”

Yujiro Hayashi,[1*] Masahiro Kojima,[2] Yusuke Yasui,[1] Yuta Kanda,[1] Takasuke Mukaiyama,[1] Hiroki Shomura,[1] Daichi Nakamura,[1] Ritmaleni,[1] Itaru Sato[1] ([1]*Graduate School of Science, Tohoku University,* [2]*Faculty of Engineering, Tokyo University of Science*)

PP-41 DNA の B–Z 遷移と[5]–ヘリセンリガンドのキラル平衡に基づいた動的かつ相互的な不斉誘起の検討

（九大院薬）○川良健祐，辻　厳一郎，佐々木茂貴

“Dynamic chirality induction of [5]-helicene ligand associated with the right-to–left (B-Z) transition of DNA”

Kensuke Kawara, Genichiro Tsuji, Shigeki Sasaki (*Graduate School of Pharmaceutical Sciences, Kyushu University*)

PP-42 化学修飾リパーゼの創成と有機合成への応用

（岡山大院自然科学）○井上浩希，前田千尋，依馬　正

“Creation of Chemically Modified Lipases and Application to Organic Synthesis”

Hiroki Inoue, Chihiro Maeda, Tadashi Ema (*Graduate School of Natural Science and Technology, Okayama University*)

PP-43 クロスカップリングによる高分子反応が可能な多糖誘導体の合成と不斉補助剤への応用

（金沢大院自然）○井改知幸，木村一馬，前田勝浩，加納重義

“Synthesis of Polysaccharide Derivatives Capable of Macromolecular Reactions by Cross-coupling and Their Application to Chiral Auxiliaries”

Tomoyuki Ikai, Kazuma Kimura, Katsuhiro Maeda, Shigeyoshi Kanoh (G*raduate School of Natural Science and Technology, Kanazawa University*)

PP-44 ピリジン－ベンゾイミダゾール系配位子の Cu(II)錯体を用いたキラルカルボン酸の種類と鏡像体過剰率の決定

（山形大院理工）○趙　爽，伊藤慎太郎，片桐洋史

“Determination of the identity and enantiomeric excess of chiral carboxylic acids using a Cu(II) complex of pyridine–benzimidazole based ligand”

Shuang Zhao, Shintaro Ito, Hiroshi Katagiri (*Graduate School of Science and Engineering, Yamagata University*)

PP-45 クォーターフェニルプローブを用いた第一級アミンおよびアミノアルコールの絶対配置決定

（東邦大理[1]，東邦大複合物性研究セ[2]，千葉工大工教育セ[3]）○桑原俊介[1,2]，中村将也[1]，山口　昂[1]，小林睦実[1]，池田茉莉[2,3]，幅田揚一[1,2]

“Absolute Configurational Assignments of Primary Amines and Amino Alcohols by a Quaterphenyl Probe”

Shunsuke Kuwahara,[1,2] Masaya Nakamura,[1] Akira Yamaguchi,[1] Mutsumi Kobayashi,[1] Mari Ikeda,[2,3] Yoichi Habata[1,2] ([1]*Department of Chemistry, Faculty of Science,* [2]*Research Center for Materials with Integrated Properties, Toho University,* [3]*Education Center, Faculty of Engineering, Chiba Institute of Technology*)

PP-46 高効率で円偏光エキシマー発光を示すアルキニルピレン内包[4]ロタキサンの合成
（富山大院薬[1]，富山大院理工[2]，九産大工[3]）○林　滉一朗[1]，伊藤達哉[1]，打田孝明[2]，岩村宗高[2]，野崎浩一[2]，藤本和久[3]，井上将彦[1]
"Synthesis of [4]Rotaxane Emitting CPL Based on Alkynylpyrene-Excimer"
Koichiro Hayashi,[1] Tatsuya Ito,[1] Tada-aki Uchida,[2] Munetaka Iwamura,[2] Koichi Nozaki,[2] Kazuhisa Fujimoto,[3] Masahiko Inoue[1] ([1]*Graduate School of Pharmaceutical Sciences, University of Toyama, Toyama,* [2]*Graduate School of Science and Engineering, University of Toyama,* [3]*Department of Applied Chemistry and Biochemistry, Kyushu Sangyo University*)

PP-47 溶液中における CFTA アミド誘導体の優位配座の計算化学的解析
（東北大院理）安藤詞音，○小俣乾二
"Computational analysis on predominant conformations of CFTA amides"
Shion Ando, Kenji Omata (*Department of Chemistry, Graduate School of Science, Tohoku University*)

PP-48 "VCD Analysis of Tricyclodecan-9-xanthogenate (D609): A Stereochemistry in Action"
Mikako Kato,[1] Mostafa A. S. Hammam,[2] Tohru Taniguchi,[2] Kenji Monde[2] ([1]*Graduate School of Life Science,* [2]*Frontier Research Center for the Post-Genome Science Faculty of Advances Life Science and Technology, Hokkaido University*)

PP-49 光学分割カラムによる糖スルホキシドの効率的ジアステレオマー分離
（北大院生命科学[1]，北大院先端生命[2]）那須陽人[1]，○麻畑　舞[1]，谷口　透[2]，門出健次[2]
"Separation of Diastereomers of Glycosyl Sulfoxide by Chiral Chromatography"
Akihito Nasu,[1] Mai Asahata,[1] Tohru Taniguchi,[2] Kenji Monde[2] ([1]*Graduate School of Life Science, Hokkaido University,* [2]*Faculty of Advances Life Science, Frontier Research Center for the Post-Genome Science and Technology*)

PP-50 新規耐溶剤型キラルカラム（CROWNPAK® CR-I）の不斉識別能力
（ダイセル，CPI カンパニー）○吉田賢一，西原啓二，濵嵜亮太，宮澤賢一郎，大西　敦
"Chiral discrimination ability of immobilized CROWNPAK columns"
Kenichi Yoshida, Keiji Nishihara, Ryota Hamasaki, Kenichiro Miyazawa, Atsushi Ohnishi (*CPI company, Daicel Corporation*)

PP-51 "Chemoselective capture of sphingolipids by efficient resin and A stereochemical analysis method"
Siddabasave Gowda .B,[1] Keiko Yamane,[2] Okamoto Saori,[2] Atsufumi Nakahashi,[2] Mostafa A. S. Hammam,[2] Tohru Taniguchi,[2] Kenji Monde[2] ([1]*Graduate School of life Science, Faculty of Advanced life science,* [2]*Frontier Research Center for Post Genome Science and Technology, Hokkaido University*)

PP-52 キラルなビリン色素の円偏光による光異性化効率の検出
（北大院生命科学[1]，北大院先端生命[2]）○佐藤はるか[1]，中橋徳文[1]，Mostafa A. S. Hammam[2]，Enkhsukh Lkhamkhuu[1]，村井勇太[2]，谷口　透[2]，門出健次[2]
"Detection of photo-isomerization efficiency by circlarly polarized light through chiral bilin pigment"
Haruka Satoh,[1] Atsufumi Nakahashi,[1] Mostafa A. S. Hammam,[2] Enkhsukh Lkhamkhuu,[1] Yuta Murai,[2] Tohru Taniguchi,[2] Kenji Monde[2] ([1]*Graduate School of Life Science, Hokkaido University,* [2]*Faculty of Advances Life Science, Frontier Research Center for the Post-Genome Science and Technology, Hokkaido University*)

PP-53 糖スルホキシドの硫黄立体化学：VCD 立体構造解析とグリコシル化反応性
（北大院先端生命）○谷口 透，那須陽人，麻畑 舞，門出健次
“Sulfur Chirality in Glycosyl Sulfoxide: VCD Structural Analysis and Glycosidation Reactivity”
Tohru Taniguchi, Akihito Nasu, Mai Asahata, Kenji Monde (*Faculty of Advanced Life Science, Hokkaido University*)

PP-54 分子不斉 *anti-O,O'*-ビス(カルボキシメチル)カリックス[4]アレーンの合成および不斉溶媒和試薬への応用
（石巻専修大理工）○鳴海史高，星 佑介，佐藤美久，菅田晴樹
“Synthesis of inherently chiral *anti-O,O'*-bis(carboxymethyl)calix[4]arenes and their applications as chiral solvating agents”
Fumitaka Narumi, Yusuke Hoshi, Miku Sato, Haruki Sugata (*Department of Food and Environmental Sciences, School of Science and Engineering, Ishinomaki Senshu University*)

PP-55 面不斉ジピリジルアミン誘導体の合成とその不斉触媒機能
（早大先進理工）○麦島奈々子，安田智子，鹿又宣弘
“Syntheses of novel planar-chiral dipyridylamine derivatives and their application to asymmetric catalysis”
Nanako Mugishima, Satoko Yasuda, Nobuhiro Kanomata (*Department of Chemistry and Biochemistry, Waseda University*)

PP-56 水中での収束的異性化現象を用いた Azaspirene モデル分子の効率合成
（早大先進理工）○長谷川貴大，酒井進之介，鹿又宣弘
“Efficient synthesis of azaspirene analog via convergent isomerization in water”
Takahiro Hasegawa, Sinnosuke Sakai, Nobuhiro Kanomata (*Department of Chemistry and Biochemistry, Waseda University*)

PP-57 不斉補助剤を用いた環状有機セレン化合物の光学分割
（山形大院理工）中沢有里，○村上 聡，増子 遼，波多野豊平，木島龍朗
“Synthesis of Optically Active Cyclic Organoselenides using Chiral Auxiliaries”
Yuri Nakazawa, Satoshi Murakami, Ryo Mashiko, Bunpei Hatano, Tatsuro Kijima (*Department of Biochemical Engineering, Graduate School of Science & Engineering, Yamagata University*)

PP-58 サリドマイド関連分子が示すヒト血清アルブミンとの相互作用の分光学的解析
（早大院先進理工[1]，産総研[2]，名工大院工[3]）○田中康平[1]，高田成海[1]，荻野禎之[1]，田中真人[2]，柴田哲男[3]，朝日 透[1]
“Spectroscopic analysis for intermolecular interaction between thalidomide-related molecules and human serum albumin”
Kohei Tanaka,[1] Nami Takada,[1] Yoshiyuki Ogino,[1] Masahito Tanaka,[2] Norio Shibata,[3] Toru Asahi[1] ([1]*Graduate School of Advanced Science & Engineering, Waseda University,* [2]*AIST, Tsukuba,* [3]*Nagoya Institute of Technology*)

PP-59 シミュレーションによるファルネシル二リン酸合成酵素の不斉認識解析
（山形大院理工バイオ化学[1]，山形大理生命物質化学[2]）○サモリ・ペトロス・ヤサヤ[1]，吉田康隆[1]，草苅美穂[1]，大谷典正[2]，波多野豊平[1]，村上 聡[1]，木島龍朗[1]
“Simulation Study of Chiral Recognition Mechanism of Farnesyl Diphosphate Synthase from Geobacillus stearothermophilus”
Petrus Yesaya Samori,[1] Yasutaka Yoshida,[1] Miho Kusakari,[1] Norimasa Ohya,[2] Bunpei Hatano,[1] Satoshi Murakami,[1] Tatsuro Kijima[1] ([1]*Department of Biochemical Engineering, Graduate School of Science & Engineering, Yamagata University,* [2]*Department of Material and Biological Chemistry, Faculty of Science, Yamagata University*)

PP-60 X 線結晶回折による不斉自己触媒反応における触媒構造の解析

（東理大理[1]，東理大総研[2]，福井大院工[3]）○松本有正[1]，阿部孝秋[1]，原 篤史[1]，飛田隆行[1]，笹川泰介[1]，川崎常臣[2,3]，硤合憲三[1,2]

“Structure Analysis of Asymmetric Autocatalyst by Single-Crystal X-Ray Diffraction”

Arimasa Matsumoto,[1] Takaaki Abe,[1] Atsushi Hara,[1] Takayuki Tobita,[1] Taisuke Sasagawa,[1] Tsuneomi Kawasaki,[2,3] Kenso Soai[1,2] ([1]*Department of Applied Chemistry, Tokyo University of Science,* [2]*Research Institute for Science and Technology, Tokyo University of Science,* [3]*Department of Materials Science and Engineering, Faculty of Engineering, University of Fukui*)

PP-61 アキラル化合物である Tris(2-hydroxyethyl)-1,3,5-benzenetricarboxylate が形成するキラル結晶を不斉開始剤とする不斉自己触媒反応

（東理大理[1]，東理大総研[2]，福井大院工[3]）○貝森功康[1]，内田瑞樹[1]，笹川泰介[1]，川崎常臣[2,3]，松本有正[1]，硤合憲三[1,2]

“Asymmetric Autocatalysis Initiated with Chiral Crystal of Achiral Tris(2-hydroxyethyl)-1,3,5-benzenetricarboxylate”

Yoshiyasu Kaimori,[1] Mizuki Uchida,[1] Taisuke Sasagawa,[1] Tsuneomi Kawasaki,[2,3] Arimasa Matsumoto,[1] Kenso Soai[1,2] ([1]*Department of Applied Chemistry, Tokyo University of Science,* [2]*Research Institute for Science and Technology, Tokyo University of Science,* [3]*Department of Materials Science and Engineering, Faculty of Engineering, University of Fukui*)

PP-62 面不斉ピリジノファンの NADH 還元モデル反応における遮蔽機能と立体選択性

（早大先進理工）今田めぐみ，小川熟人，○鹿又宣弘

“The shielding effect and stereoselectivity of planar-chiral pyridinophane in a biomimetic reduction of NADH-type”

Megumi Imada, Narihito Ogawa, Nobuhiro Kanomata (*Department of Chemistry and Biochemistry, Waseda University*)

PP-63 α-シクロデキストリンの分子結晶を用いたアミノ酸の不斉選択的包接

（東北大院工）○三好幾子，北本雄一，諸橋直弥，服部徹太郎

“Enantioselective inclusion of amino acids with molecular crystal of α-cyclodextrin”

Ikuko Miyoshi, Yuichi Kitamoto, Naoya Morohashi, Tetsutaro Hattori (*Department of Biomolecular Engineering, Graduate School of Engineering, Tohoku University*)

PP-64 4,4’-ジメトキシ-2,2’-ビフェナンスレン-1,1’-ジオールの光ラセミ化特性と不斉選択的なラセミ化制御

（東北大院工）○北本雄一，内山裕清，金井大樹，諸橋直弥，服部徹太郎

“Photoracemization of 4,4′-dimethoxy-2,2′-biphenanthrene-1,1′-diol and its stereoselective inhibition”

Yuichi Kitamoto, Yusei Uchiyama, Daiki Kanai, Naoya Morohashi, Tetsutaro Hattori (*Department of Biomolecular Engineering, Graduate School of Engineering, Tohoku University*)

PP-65 カイノイドの実践的不斉合成法の開発

（静岡県大薬）大内仁志，朝比奈彩，浅川倫宏，稲井 誠，○濱島義隆，菅 敏幸

“Practical Total Synthesis of Kainoids”

Hitoshi Ouchi, Aya Asahina, Tomohiro Asakawa, Makoto Inai, Yoshitaka Hamashima, Toshiyuki Kan (*School of Pharmaceutical Sciences, University of Shizuoka*)

PP-66 キラルリン酸触媒を用いたラセミラクチドのエナンチオマー選択重合

（北大院総化[1]，東北大院理[2]）齋藤達也[1]，牧口孝祐[1]，磯野拓也[1]，山中卓人[2]，寺田眞浩[2]，覚知豊次[1]，○佐藤敏文[1]

"Enantiomer-selective polymerization of rac-lactide using chiral phosphoric acids as a catalyst"

Tatsuya Saito,[1] Kosuke Makiguchi,[1] Takuya Isono,[1] Takuto Yamanaka,[2] Masahiro Terada,[2] Toyoji Kakuchi,[1] Toshifumi Satoh[1] ([1]*Graduate School of Chemical Science and Engineering, and Faculty of Engineering, Hokkaido University,* [2]*Department of chemistry, Graduate school of Science, Tohoku University*)

PP-67 δ−アリルオキシ−α−ジアゾ−β−ケトエステルの Rh(II)触媒 *O*−イリド形成−[2,3]−シグマトロピー転位反応の立体選択性におけるγ−位置換基の効果について

（富山大院薬）○矢倉隆之，櫻井飛鳥，池田有輔，陣内比加利，藤原朋也，南部寿則

"Influence of γ-substituent on the stereoselectivity of Rh(II)-catalyzed *O*-ylide ormation-[2,3]-sigmatropic rearrangement of δ-allyloxy-α-diazo-β-ketoesters"

Takayuki Yakura, Asuka Sakurai, Yusuke Ikeda, Hikari Jinnouchi, Tomoya Fujiwara, Hisanori Nambu (*Graduate School of Medicine and Pharmaceutical Sciences, University of Toyama*)

PP-68 固体・溶液円二色性分光を用いたサリドマイド二量体構造形成の解析

（早大院先進理工[1]，産総研[2]，名工大院工[3]）鳥山廣樹[1]，○荻野禎之[1]，高田成海[1]，田中真人[2]，柴田哲男[3]，朝日 透[1]

"Analysis for thalidomide dimeric structure formation with solid and solution state circular dichroism spectroscopy"

Hiroki Toriyama,[1] Yoshiyuki Ogino,[1] Nami Takada,[1] Masahito Tanaka,[2] Norio Shibata,[3] Toru Asahi[1] ([1]*Graduate School of Advanced Science & Engineering, Waseda University,* [2]*AIST,* [3]*Graduate School of Engineering, Nagoya Institute of Technology*)

PP-69 新規不斉 Kornblum−DeLaMare 転位反応触媒の開発研究

（東北大院薬）○久我哲也，笹野裕介，岩渕好治

"Studies on Novel Amine Catalysts for Asymmetric Kornblum-DeLaMare Rearrangement"

Tetsuya Kuga, Yusuke Sasano, Yoshiharu Iwabuchi (*Graduate School of Pharmaceutical Sciences, Tohoku University*)

PP-70 新規ヒドロアズレン型キラル合成素子の開発とセスキテルペノイド合成への応用

（東北大院薬）○小林久剛，市川龍之介，小関尊弘，笹野裕介，叶 直樹，岩渕好治

"Development of hydroazulene-type chiral building blocks and application to sesquiterpenoid synthesis"

Hisataka Kobayashi, Ryunosuke Ichikawa, Takahiro Koseki, Yusuke Sasano, Naoki Kanoh, Yoshiharu Iwabuchi (*Department of Organic Chemistry, Graduate School of Pharmaceutical Sciences, Tohoku University*)

PP-71 アリルパラジウム中間体を求核剤として用いるアルデヒドの分子内不斉アリル化反応

（東北大院薬）○川瀬歩，塚本裕一，土井隆行

"Asymmetric Intramolecular Allylation of Aldehydes via Allylpalladium Intermediates"

Ayumu Kawase, Hirokazu Tsukamoto, and Takayuki Doi (*Graduate School of Pharmaceutical Sciences, Tohoku University*)

PP-72 キラリティー誘起とその記憶を利用した光学活性ポリ（ジフェニルアセチレン）の合成とそのキラル識別能

（金沢大院自然）○前田勝浩，梶尾和貴，下村昂平，井改知幸，加納重義

"Synthesis of Optically Active Poly(diphenylacetylene)s Using Chirality Induction and Memory and Their Chiral Recognition Ability"

Katsuhiro Maeda, Kazuki Kajio, Kohei Shimomura, Tomoyuki Ikai, Shigeyoshi Kanoh (*Graduate School of Natural Science and Technology, Kanazawa University*)

PP-73 1,3−Diene 誘導体の ECD スペクトルに関する理論的研究

（コンフレックス[1]，広島大[2]，CHPI 研究所[3]，豊橋技科大[4]）○中山尚史[1]，高橋　修[2]，西尾元宏[3]，後藤仁志[1,4]

"Theoretical study for ECD spectra of 1,3-diene derivatives"

Naofumi Nakayama,[1] Osamu Takahashi,[2] Motohiro Nishio,[3] Hitoshi Goto[1,4] ([1]*CONFLEX Corporation,* [2]*Hiroshima University,* [3]*The CHPI Institute,* [4]*Toyohashi University of Technology*)

PP-74 インドール骨格を含む芳香族スルホンアミド誘導体の不斉結晶化

（東邦大薬[1]，甲南大理工[2]）○前埜伊沙恵[1]，片桐幸輔[2]，氷川英正[1]，吉川晶子[1]，東屋　功[1]

"Chiral Crystallization of Aromatic Sulfonamides with Indole Moiety"

Isae Maeno,[1] Kousuke Katagiri,[2] Hidemasa Hikawa,[1] Shoko Kikkawa,[1] Isao Azumaya[1] ([1]*Faculty of Pharmaceutical Sciences, Toho University,* [2]*Department of Chemistry, Faculty of Science and Engineering, Konan University*)