

Room P

Poster1Pab(Remo)

Mon. Sep 6

Presentation Time

<a = 10:00~10:55>

<b = 10:55~11:50>

A. POLYMER CHEMISTRY: SYNTHESIS AND REACTIONS

- 1Pa001 Controlled Polymerization of Silyl Isopropenyl Ether: Aldol GTP and Copolymerization
Naoki FUJIWARA, Mineto UCHIYAMA, Masami KAMIGAITO
- 1Pb002 Development of Cationic RAFT Polymerization Using Various Sulfur-Free Chain-Transfer Agents and Precision Polymer Synthesis
Takayuki TANIMOTO, Mineto UCHIYAMA, Masami KAMIGAITO
- 1Pa003 Synthesis of Multi-Degradable Vinyl Polymers with Different Cleavable Bonds by Living Cationic Polymerization with Cyclic Thioacetals
Kaoru Matoba, Mineto Uchiyama, Masami Kamigaito
- 1Pb004 Isomerization Controlled Cationic Polymerization of Dihydropyran Derivatives for Sequence Control
Shusuke Tanaka, Soutarou Yasuda, Yasushi Maeda, Shinji Sugihara
- 1Pa005 Cationic Polymerization of Styrene Derivatives Using High Periodic Element Lewis Acid Catalysts
Tomoki Hasegawa, Nao Sakakibara, Koji Takagi
- 1Pb006 Cationic homopolymerization of trans-anethole with an aid of stabilization of the propagating species by solvate ionic liquid
Takumi Yuki, Ryotaro Kizu, Ryota Kamiike, Tomohiro Hirano, Miyuki Oshimura, Koichi Ute
- 1Pa007 Synthesis and thermal properties of poly(vinyl ether) and poly(α , β methyl vinyl ether) with a bulky alicyclic structure or hydroxy group.
kouhei watanabe, takeshi namikoshi, shinji watanabe
- 1Pb008 Synthesis of various propenyl ethers and living cationic polymerization of propenyl ether with a cyclohexanemethyl group
Toshiaki Kobayashi, Takeshi Namikoshi, Shinji Watanabe
- 1Pa011 Ring-opening polymerization of a trimethylene carbonate with a carbamate substituent
Mio Tamura, Nobuyoshi Nomura
- 1Pb012 Synthesis of oligoesters and oligocarbonates using carbon dioxide as one of the raw materials using a metal complex catalyst
Naoki Mishiuro, Aohan Wang, Isao Yamaguchi
- 1Pa013 Ring-Opening Polymerization of Cyclic Esters and Cyclic Carbonates Catalyzed by Neutral Silicon Lewis Acid
Keiya Katagi, Ryo Tanaka, Yuushou Nakayama, Takeshi Shiono
- 1Pb014 Controlled Copolymerization by Metal Complexes [91] Comparison of Effects with Various Branched Alkyl Side Chains on Copolymerization Rate and Thermal Properties of Obtained Copolymers in Alternating Copolymerization of CO₂ and Epoxide
Ai Fuwa, Rin Nomura, Honda Masayoshi, Sugimoto Hiroshi
- 1Pa015 Synthesis of Sequence-Regulated Styrene-Ethylene Copolymers by Atom Transfer Radical Addition and Metathesis Reaction
Kenta SOMA, Mineto UCHIYAMA, Masami KAMIGAITO
- 1Pb016 Polymerizations of 4-(4-ethynylphenyl)phthalimide derivatives having optically active N substituents and optical properties of the obtained polymers
Takuma Kamachi, Kazuhiro Yamabuki, Kenjiro Onimura
- 1Pa017 Polymerization of ethelenes by NHC aluminum complexes
Nanako Kimura, Daisuke Takeuchi, Sayoko Ogura, Ayaka Takazawa, Masaki Kakiage, Takeshi Yamanobe, Hiroki Uehara

- 1Pb018 Ethylene Polymerization by Metal Catalysts Supported on Porous Glass
Moeka Narasaki, Daisuke Takeuchi, Atsunobu Masuno, Sayoko Ogura, Ritsuki Harasawa, Ayaka Takazawa, Masaki Kakiage, Takeshi Yamanobe, Hiroki Uehara
- 1Pa019 Synthesis of ester-based lubricants precursors by the regioselective oligomerization of ω -siloxy- α -olefins
Kazuma Okada, Norio Nakata, Akihiko Ishii
- 1Pb020 Synthesis and application of norbornenyl-terminated cycloolefin copolymers
Sasuga Kanno, Takeshi Shiono, Yuushou Nakayama, Ryo Tanaka, Haobo Yuan
- 1Pa021 Photophysical Properties of Aluminum Dihydride Complexes of β -Diketiminato Ligands by Substituent Effect
Keisuke Suwa, Shunichiro Ito, Kazuo Tanaka
- 1Pb022 Synthesis of thermoresponsive polymers having amino acid-derived side chains and their phase transition behavior
Ayane Moroyama, Manabu Ishifune
- 1Pa023 Solution-phase synthesis and properties of borophene-like two-dimensional sheets
Masahiro Katakura, Tetsuya Kambe, Dongwan Yan, Kimihisa Yamamoto
- 1Pb024 Development of ¹⁹F-labeled traceable crosslinker for end group modification
Ayumi Shibata, Makoto Obata

B. POLYMER PHYSICS: STRUCTURE AND PROPERTIES

- 1Pa031 Control of betaine polymer interactions
Kengo Takagi, Shin-ichi Yusa
- 1Pb032 Preparation of Polysaccharide Composite Films with High Mechanical Anisotropy by Heat Stretching Techniques
Daisuke Ito, Takuya Sagawa, Mineo Hashizume
- 1Pa033 Effects of Voltage Application in Salt Solutions on Internal Structures of Polysaccharide Composite Films
Yayoi Yoda, Takuya Sagawa, Yusuke Yataka, Mineo Hashizume
- 1Pa035 Visualization of gradient of elastic modulus of insect exoskeleton with water content using Confocal Laser Scanning Microscope
Masanori Yoshida, Rikima Kuwada, Shuto Itou, Daisuke Ishii
- 1Pb036 Thermal Stability and Frictional Properties of Polystyrene Adsorbed on Silicon Substrate
Shimpei Tajima, Yoshihisa Fujii, Naoya Torikai
- 1Pa037 Observation of Crystalline State of Poly(ethylene oxide) Thin Film in Moistening and Drying Process
Natsuki Komiyama, Yoshihisa Fujii, Naoya Torikai
- 1Pa039 optimization of epoxy adhesive mechanical properties through polymer informatics and elucidation of its molecular mechanism
Harutoshi Yamada, Masanobu Naito, Tsuyoshi Koga

C. FUNCTIONAL POLYMERS AND POLYMER FUNCTIONS

- 1Pa041 Creation of Highly Reactive Supramolecular Nanofibers Driven by Rapid Proton Diffusion
Chisako Kanzaki, Tetsuya Narushima, Hiromi Okamoto, Munenori Numata
- 1Pb042 Adhesive properties of pseudo-polyrotaxane nanosheet to biomimetic materials
Kimika Endo, Shuntaro Uenuma, Hideaki Yokoyama, Kohzo Ito
- 1Pa043 High-frequency Autonomously Oscillating Hydrogel Microspheres
Kohei Inui, Ikuma Saito, Ryo Yoshida, Haruka Minato, Daisuke Suzuki
- 1Pb044 Development of PNIPAAm nanofibers mixed with functional materials for highly adsorbable or drug release materials
Satoru Tsuno, Tomoki Shino, Takao Aoyagi, Toru Hoshi
- 1Pa045 Precise control over molecule-polymer interactions in a dynamic microsloution
Shota Matoba, Hiroshi Yoneda, Yoshihiro Kikkawa, Munenori Numata
- 1Pb046 Patterning Perovskite Quantum Dots in Polymer Films

- Mamoru Morinaga, Takao Funabiki, Tomohisa Norisuye, Hideyuki Nakanishi
- 1Pa047 Preparation of Polymer Films with Patterned Metal Nanoparticles
Takao Funabiki, Mamoru Morinaga, Tomohisa Norisuye, Hideyuki Nakanishi
- 1Pb048 Synthesis of Cyclodextrin Nanosheets by crosslinking Pseudo-polyrotaxane nanosheets
Yumi Shikano, Naoki Ando, Shuntaro Uenuma, Hideaki Yokoyama, Kohzo Ito
- 1Pa051 Synthesis and polymerization of 2,6-bis(4-acetoxy-3,5-di-tert-butylphenyl)benzo[1,2-b:5,4-b']difuran derivatives and electronic states of the corresponding phenoxy radicals
Haruka Miura, Masahiro Teraguchi, Toshiki Aoki, Takashi Kaneko
- 1Pb052 Perfluoroalkylene-containing polyarylene ethers with low dielectric constant and low dielectric loss tangent
Kazuki Watanabe, Tadashi Tsukamoto, Yuji Shibasaki, Yoshiyuki Oishi
- 1Pa053 Synthesis of Poly(aryl thiophene)s via Chemical Oxidative Polymerization and Their Application to the Perovskite Solar Cells
Yutaro Kanda, Teruhiro Hokusima, Kenichi Oyaizu, Hiroyuki Nishide, Takeo Suga
- 1Pb054 Synthesis of Helical Poly(phenylacetylene) Derivatives Having a Copper Complex at the Chain End
Itaru KENMOKU, Takumu YOSHIDA, Ron NAAMAN, Taniyuki FURUYAMA, Tsuyoshi TANIGUCHI, Tatsuya NISHIMURA, Katsuhiko MAEDA
- 1Pa055 Synthesis of polyaniline composite with cellulose derivatives.
Ryo Miyashita, Hiromasa Goto
- 1Pb056 Effect of alkyl side chains on transistor properties in semiconducting polymers based on S-Pechmann Dye
Keitaro Iguchi, Tsubasa Mikie, Itaru Osaka
- 1Pa057 Development of polling-less piezoelectric polymer materials using non-aqueous dispersion copolymerization
Ryoma Nojiri, Ryutari Komine, Moriya Kikuchi, Tomohiro Sekine, Sizuo Tokito, Seigou Kawaguchi
- 1Pb058 Synthesis and thermoelectric properties of thiophene dendrimers controlled by quantum degeneracy
Yasuko Koshiba, Kota Oki, Shohei Horike, Atsunori Mori, Kenji Ishida
- 1Pa059 Synthesis and properties of novel small bandgap π -conjugated polymers based on a quinoidal π -extended fused rings
Yuka Iwasaki, Tsubasa Mikie, Itaru Osaka

D. BIOPOLYMERS AND BIORELATED POLYMERS

- 1Pa061 Preparation and Evaluation of Surface Modified PLGA Fibers as Sustained Drug Release Carriers
Kenta Tanaka, Takuya Sagawa, Mineo Hashizume
- 1Pb062 Analysis of structure development of polyion complex materials composed of oligonucleotides in response to environmental changes
Hiroshi Kamizawa, Tomoki Maruyama, Yiwei Liu, Teruki Nii, Kanjiro Miyata, Takeshi Mori, Yoshiki Katayama, Akihiro Kishimura
- 1Pa063 Precise preparation of peptide nanofibers with controlled length.
Kensuke Nakao, Tomonori Waku, Akio Kobori
- 1Pb064 Synthesis of Protein Microtubule Motor with Capturing Ability of Artificial Virus Particles
Yushi Akashi, Ryo Kato, Teruyuki Komatsu
- 1Pa065 Automated control of molecular robots using DNA computing
Kohei Nishiyama, Daiki Matsumoto, Jakia Jannat Keya, Ibuki Kawamata, Shin-ichiro M. Nomura, Akira Kakugo
- 1Pb066 Design and Functions of M2 Macrophage-Targeting and Photoacoustic-Responsive Polysaccharide Nanoparticles
Risako Miura, Yu Kimura, Kazunari Akiyoshi, Teruyuki Kondo
- 1Pa067 Tyrosine-containing peptide lipids that selectively kill cancer cells
Natsumi Shimizu, Sayuki Kanemitsu, Tomoko Yashiro, Tatsuo Maruyama

- 1Pb068 Synthesis of amphiphilic block copolymers for photosensitizer delivery and its application in photodynamic therapy.
Hayato Kashima, Makoto Obata, Shiho Hirohara
- 1Pa069 pH-responsive Charge-switchable Polymer and Lipid Nanoparticles for Drug Delivery Applications
Yi-Jung Sung, Haochen Guo, Takahiro Nomoto, Makoto Matsui, Hiroyasu Takemoto, Xin Shen, Yutaka Miura, Nobuhiro Nishiyama
- 1Pb070 Development of Self-Assembled Cas9 RNP Delivery System Comprising Tannic Acid and Phenylboronic Acid-Conjugated Polymers.
Takumi Matsuo, Yuto Honda, Takahiro Nomoto, Makoto Matsui, Yutaka Miura, Nobuhiro Nishiyama
- 1Pa071 Development of pH-responsive polymeric micelle incorporating statin derivatives for abdominal aortic aneurysm treatment
Hailin Zhou, Natsumi Fukuhara, Nao Ukita, Yuto Honda, Makoto Matsui, Satoshi Ohno, Takahiro Nomoto, Shan Gao, Nobuhiro Nishiyama, Katsuyuki Hoshina, Yutaka Miura
- 1Pb072 Development of amphoteric ion type peptide nanofiber for intracellular antigen delivery
Kaede Akita, Tomonori Waku, Akio Kobori
- 1Pa073 Synthesis of zwitterionic branched polymers using atom transfer radical polymerization for cytosolic delivery
Yuta Yoshizaki, Tomohiro Konno

Poster 1Pcd(Remo)

Presentation Time

<c = 13:00~13:55>

<d = 13:55~14:50>

A. POLYMER CHEMISTRY: SYNTHESIS AND REACTIONS

- 1Pc001 Cationic Copolymerization of Vinyl Acetate with Cyclic Acetals or 1,3-Dioxolan-4-ones: Copolymerization of Non-homopolymerizable Monomers
Junichi Azuma, Arihiro Kanazawa, Sadahito Aoshima
- 1Pd002 Cationic Copolymerization of 3-Alkoxyphthalides and Oxiranes and Terpolymerization with Vinyl Ethers
Yuka Takahashi, Arihiro Kanazawa, Sadahito Aoshima
- 1Pc003 Metal-free living cationic polymerization using diaryliodonium salts as organic Lewis acid catalysts: Acceleration by UV irradiation while maintaining livingness
Yuji Mishima, Arihiro Kanazawa, Sadahito Aoshima
- 1Pd004 Cationic Ring-Opening Copolymerization of Cyclic Acetals and γ -Butyrolactone or 1,3-Dioxolan-4-ones: For Sequence Control by Unzipping and Main-Chain Scrambling Reactions
Kana Takebayashi, Arihiro Kanazawa, Sadahito Aoshima
- 1Pc005 Synthesis and Ring-Opening Polymerization of Novel Lactone Monomers Derived from Glycerol
Yuki SAKATA, Mineto UCHIYAMA, Masami KAMIGAITO
- 1Pd006 Synthesis and ring-opening polymerization of bifunctional tricyclic compounds consisting of cis and trans-5-membered cyclic carbonate structures.
Makoto Akita, Yusuke Tazawa, Osamu Haba, Tatsuro Toda, Takuto Nakata, Hisanari Yoneda
- 1Pc007 Encapsulation of pyranlated hydroquinone by PEG-PLLA polymer micelles
Mirai Saijo, Tadashi Tukamoto, Yoshiyuki Oishi, Yuji Sibasaki
- 1Pd008 Synthesis of End-Functionalized Polymers by Living Anionic Polymerization Based on Degenerative Chain-Transfer Mechanism to C-H Bonds
Konomi YAMASHITA, Natsumi OHIRA, Mineto UCHIYAMA, Masami KAMIGAITO
- 1Pc011 Synthesis of cyclic olefin polymer by ring-opening metathesis polymerization of α -methyl-substituted norbornene lactone

- Sae Kiyohara, Narumi Miyasako, Shin-ichi Matsuoka, Masato Suzuki
- 1Pd012 Ring-opening metathesis polymerization of polycyclic cyclobutene derivatives
Yuta Asano, Shin-ichi Matsuoka, Masato Suzuki
- 1Pc013 Synthesis of cyclic olefin polymers by ring-opening metathesis (co)polymerization of norbornene derivative with spirofluorene moiety.
Saki Ishii, Yoshiya Ota, Shin-ichi Matsuoka, Masato Suzuki
- 1Pd014 Addition polymerization of norbornene derivatives catalyzed by $\text{Ni}(\text{C}_6\text{F}_5)_2(\text{SbPh}_3)_2$
Kazuha Izuma, Shinichi Matsuoka, Masato Suzuki
- 1Pc015 Synthesis of norbornene-based copolymers containing isotactic polystyrene fragments.
Takuya Kishi, Norio Nakata, Akihiko Ishii
- 1Pd016 Polymerization of Biomass Composition 1,3-Butadiene with Neodymium-Based Catalyst Systems
Kei Nishii, Nanako Omoto, Tomoyuki Toda, Yo Nakamura
- 1Pc017 Synthesis of a TTF-based π -Conjugated Polymer via Direct C-H Arylation Polycondensation
Kengo Ogasawara, Ryota Iwamori, Junpei Kuwabara, Takaki Kanbara
- 1Pd018 Synthesis of Polyacetylene Derivatives Bearing Optically-Active Pendants in the Vicinity of the Main-Chains and Their Chiral Amplification
Yuki Morita, Tsuyoshi Majima, Tomoyuki Ikai, Eiji Yashima
- 1Pc019 Synthesis and Ultra-Remote Helicity Induction of Water-Soluble Poly(biphenylacetylene)s with an Optically Active Binaphthyl Pendant through an Oligoethylene Glycol Spacer
Koshi Nakamura, Kosuke Mizumoto, Tomoyuki Ikai, Eiji Yashima
- 1Pd020 Polymerization of Diphenylacetylenes with Niobium Catalysts and the Mechanistic Study
Daisuke Nakaguchi, Tsuyoshi Taniguchi, Tatsuya Nishimura, Katsuhiko Maeda

B. POLYMER PHYSICS: STRUCTURE AND PROPERTIES

- 1Pc021 Linear viscoelasticity and microscopic structure of PEO/silica composites
Saki Kusakabe, Takuya Katashima, Xiang Li, Etsuko Kobayashi, Yuki Akagi
- 1Pd022 Rheological Properties of Thermosensitive Copolymer Microgel Suspensions with Different Compositions
Yuuki Ikeno, Atsushi Yamamoto, Kohei Inui, Daisuke Suzuki, Kenji Urayama
- 1Pc023 Synthesis and evaluation of triblock copolymers for three-phase emulsification of benzyl alcohol
Natsuki Tokiyoshi, Michiko Ito, Kazuo Yamaguchi, Kana Miyasaka, Yoko Imai, Kazuo Tajima
- 1Pd024 All-atom molecular dynamics simulation of fracture by solvent response of PMMA
Minoru Shimooka, Wataru Shinoda, Daiki Miyake, Mitsuo Hara, Kazushi Fujimoto
- 1Pc025 Effects of the cross-linker on the viscoelastic behavior of poly(N,N'-dimethylacrylamide) microgel aqueous dispersion
Takuhiro Nakaura, Yuusuke Sanada, Akihiko Takada, Yukiteru Katsumoto
- 1Pd026 Cellulose nanofiber-reinforced rubber composites prepared by TEMPO-functionalization and elastic kneading.
Toru Noguchi, Ken-ichi Niihara, Ayumi Kurashima, Rie Iwamoto, Takashi Miura, Akira Koyama, Morinobu Endo, Hironori Marubayashi, Akemi Kumagai, Jinnai Hiroshi, Akira Isogai
- 1Pc027 Composites of phosphorylated cellulose nanocrystals and hydroxyapatite for dental materials
Ryuichiro Shimada, Ryota Sato, Toshihiko Arita, Akito Masuhara
- 1Pd028 Study on the preparation method of ETFE porous materials for separation membrane applications
Takashi Konno, Toshiaki Ougizawa, Keiichi Kuboyama

C. FUNCTIONAL POLYMERS AND POLYMER FUNCTIONS

- 1Pc031 Deformation Analysis Using Chiral-Nematic Liquid-Crystalline Polymer Particles
Naoya Fukui, Tomoki Shigeyama, Shodai Hayashi, Kyohei Hisano, Osamu Tsutsumi
- 1Pd032 Synthesis and Properties of Hydroxyl-substituted Poly(phenylene sulfide)s as Transparent Polymers with Ultrahigh Refractive Indices
Hiromichi Nishio, Teru Takayama, Seigo Watanabe, Kenichi Oyaizu
- 1Pc033 Synthesis and Optical Properties of Sulfur-Rich Poly(phenylene sulfide) Derivatives with High Refractive Indices
Teru Takayama, Seigo Watanabe, Kenichi Oyaizu
- 1Pd034 Step- π -conjugated polymers (162) Synthesis of macromolecular wire with different energy levels
Kota Tanaka, Haoxuan GUO, Hiroyuki Aota
- 1Pc035 Step- π -conjugated polymers (163) Synthesis of macromolecular wire with donor and acceptor at terminals and evaluation of its photoinduced electron transfer
Daisuke Kitayama, Haoxuan GUO, Hiroyuki Aota
- 1Pd036 Step- π -conjugated polymers (164) Performance evaluation of photoinduced electron transfer of polymer with a donor and acceptor at the terminal
Maki Tanaka, Haoxuan GUO, Hiroyuki Aota
- 1Pc037 Step- π -conjugated polymers (165) Synthesis of amphiphilic molecular wire with energy level difference and evaluation of spectroscopic behavior
Mitsuhiro Funo, Haoxuan GUO, Hiroyuki Aota
- 1Pd038 Gelation of light-emitting layer in the electrochemiluminescent devices using ruthenium complexes.
Kazuto Ogura, Atsushi Aoki
- 1Pc041 Porous structure formation in silicone membrane by a microgel emulsion
Ryo Kato, Junji Watanabe
- 1Pd042 Preparation and gas transport properties of thermally rearranged fluorine-contained polybenzoxazole - silica hybrid membranes
Tomoyuki Suzuki
- 1Pc043 Helicity Induction and Its Static Memory of Poly(biarylylacetylene)s Composed of Racemic Monomer Units and Their Application to Asymmetric Organocatalysis
Masaki Ito, Mitsuka Ando, Ryoma Ishidate, Tomoyuki Ikai, Katsuhiko Maeda, Eiji Yashima
- 1Pd044 Sensing of biomolecules using cationic π -conjugated polymers (II) -Nucleobase selectivity and cytotoxicity-
Kaho Ueyama, Masahiro Fujita, Yuko Takeoka, Masahiro Rikukawa
- 1Pc045 Synthesis and gas permeability of poly(1-phenyl-2-fluorenylacetylene)s bearing trimethylsilyl groups at the fluorene 9-position
Toshikazu Sakaguchi, Yi Lin, Tamotsu Hashimoto
- 1Pd046 Retention Behavior of Polymers on MOF Column Chromatography
Kaoru Kioka, Nobuhiko Hosono, Takashi Uemura
- 1Pc047 Suzuki-Miyaura C-C coupling reaction on fluid consecutive reactor packed with microspheres composed of palladium-bistheophyllines
Katsuya Kaikake, Kazuki Matsuo, Ren-Hua Jin
- 1Pd048 Immobilization of organocatalysts to marine biomass and their catalytic application
Manaho Murakishi, Hiromitsu Sogawa, Fumio Sanda
- 1Pc049 Polymeric Separation Membrane for Hydrogen Purification
Takahiro Tokuyama, Hiroho Hirozawa, Hiroyuki Yamada
- 1Pc051 Synthesis of Phenolic Resin Using Azobenzene and Change in Heat Resistance by UV Light Irradiation
Takuma Kitamura, Takahiro Kakuta, Tada-aki Yamagishi
- 1Pd052 Microwave-assisted synthesis of high-molecular-weight benzoxazines from aminophenols and thermal properties of their thermosetting resins
Mizuki Okabe, Taichi Shibatuka, Uryu Tchin, Takehiro Kawauchi
- 1Pc053 Analysis of the graded functions of strong shells of Job's tears
Rikima Kuwada, Daisuke Ishii
- 1Pd054 Toughening of Ultrahigh Thermoresistant Biopolybenzimidazoles by Forming Porous Structure

Jiabei Zhou, Aniruddha Nag, Xianzhu Zhong, Kenji Takada, Tatsuo Kaneko

1Pc055 Toughening of EPDM Elastomers with Polycaprolactone-modified Polyrotaxane
Shota Ando, Koichi Mayumi, Kohzo Ito, Akishige Seo, Hiromitsu Takeuchi

D. BIOPOLYMERS AND BIORELATED POLYMERS

1Pc061 Catalyst function of gold nanoparticles located on unique vesicle covered by PEI loop-clusters aorona

Ayaka Kanno, Wen-Li Wang, Ren-Hua Jin

1Pd062 Protective effect of polymer-based antioxidant against DEPRESSION

Naoki Saigo, Yutaka Ikeda, Yukio Nagasaki

1Pc063 Fluorescence imaging of nanoparticle uptake of liquid-liquid phase separation droplets

Keitaro Kojima, Shunsuke Tomita, Masao Kamimura

1Pd064 Membrane Fusion Activity of Polyamine-Lipid vesicle/DNA complexes

Seiya Nagashima, Masaharu Kondo, Takehisa Dewa

1Pc065 Design of amphiphilic alginates and self-assembling behaviors

Kaori Moriwaki, Tomoki Nishimura, Shin-ichi Sawada, Yoshihiro Sasaki, Kazunari Akiyoshi

1Pd066 Synthesis and Catalytic Reaction of Protein Microtubule Motors Covered with Enzymes

Mizuki Umebara, Ryo Kato, Teruyuki Komatsu

1Pc067 Stability Evaluation of Protein Ternary Complexes Comprising Tannic Acid and Polymers Conjugating Boronic Acids with Different Functional Groups

Kouichi Usukura, Yuto Honda, Takahiro Nomoto, Makoto Matsui, Yutaka Miura, Nobuhiro Nishiyama

1Pd068 Antigen-presenting cell specificity and vaccine function of hydrophobized polysaccharide nanogels

Tatsuhiko Okuda, Shin-ichi Sawada, Yoshihiro Sasaki, Kazunari Akiyoshi

1Pc069 Cancer cell-specific drug delivery system using N-acetylglucosamine glycopolymers.

Gen Akatsuka, Hirohiko Ise

1Pd070 Preparation of polysaccharide optimized for the chain length of oligonucleotide and evaluation of their bioactivity

Yuki Hata, Kazuki Sumiya, Hiroto Izumi, Kazuo Sakurai

1Pc071 Stiffness Tunable Fluorescent Polystyrene Nanoparticles for Cell Mechanobiology

Masanaga Miyake, Ryo Inoue, Masao Kamimura

1Pd072 Polymeric Micelles with Super pH-Sensitive PEG-Detachment in Intratumoral Space

Keita Masuda, Louise Hespel, Horacio Cabral, Thahomina Khan, Kazuko Toh, Kazuki Igarashi, Kyoko Koji, Federic Perche, Yu Matsumoto, Tatsuya Yamagumi, Shigeto Fukushima, Ryo Matsumoto, Kazunori Kataoka

1Pc073 Design of pDNA Delivery System by the Heated Mono-Ion Complex

RIKU KIMURA, KEI NIRASAWA, YOICHI NEGISHI, SHOICHIRO ASAYAMA

1Pd074 Synthesis and application of Nylon-4-based nanoparticles as a medicine to treat depression's disease

Duc Tri Bui, Yukio Nagasaki

Poster 1Pef(Remo)

Presentation Time

<e = 15:00~15:55>

<f = 15:55~16:50>

A. POLYMER CHEMISTRY: SYNTHESIS AND REACTIONS

1Pe001 Anionic polymerization using proton abstraction

Daisuke Tanioka, Kaoru Adachi, Nao Yamamoto

1Pf002 Self-alternating polymerization of 1-(4-vinylphenyl)-1-phenylethylene derivatives

Hamin Kim, Raita Goseki, Takashi Ishizone

- 1Pe003 Self-alternating polymerization of bifunctional monomers having two vinyl groups with different reactivity
yoshito itaya,Hamin Kim,Raita Goseki,Takashi Ishizone
- 1Pf004 Anionic polymerization of *N,N*-dialkyl(meth)acrylamides having nitrogen-containing ring structures
Yuki Inoue,Raita Goseki,Takashi Ishizone
- 1Pe005 Anionic polymerization of 6-phenyl-1,2-benzofulvene
Ayana Fukui,Raita Goseki,Takashi Ishizone
- 1Pf006 Cyclic hemiacetal esters bearing a vinyl pendant as a multi-dimensional reaction platform
Sae Tezuka,Mai Yamashita,Yasuhiro Kohsaka
- 1Pe007 Controlled Lewis pair polymerization of alkyl acrylates using N-heterocyclic carbene as an initiator
Yuki Muramatsu,Shin-ichi Matsuoka,Akinori Takasu
- 1Pe009 Monitoring of polymer degradation by conjugate substitution reaction in aqueous phase
Taiki Kitagawa,Yasuhiro Kohsaka
- 1Pf010 Solvent free degradation of polyesters via conjugated substitution reaction : Effects of nucleophiles and reaction conditions
Rikuto Kimura,Yasuhiro Kohsaka,Ryou Kawatani
- 1Pe011 Design of Degradable Vinyl Polymers Carrying Carbon-Halogen Bond as the Trigger
Taichi Kimura,Makoto Ouchi
- 1Pf012 Synthesis, Reaction, and Characteristics of Water-Soluble Poly((meth)acrylic thioester) Having Ionic Side Chains
Kaito Ogawa,Shin-ichi Matsuoka,Koji Takagi,Masato Suzuki
- 1Pe013 Polymer reaction of poly(methyl acrylate) with various esters through ester-ester exchange reaction
Takayoshi KATOH,Yoshihiro OHTA,Tsutomu YOKOZAWA
- 1Pf014 Precise synthesis of linear polysiloxanes end-functionalized with alkynylsilyl groups and its structural conversion by Huisgen reaction
Keita Fuchise,Kazuhiko Sato,Masayasu Igarashi
- 1Pe015 Synthesis and properties of caged borate-pendant random copolymers
Masahiro Yamanishi,Akira Takahashi,Atsushi Kameyama
- 1Pf016 Effect of Higher Order Structure on Hydrolysis Rates of Schiff Base-Containing Polymers and Their Application to Chemical Recycling Materials
Kazuki Tateishi,Taichi Sotani,Hiromitsu Sogawa,Fumio Sanda
- 1Pe017 Thermal Crosslinking/decrosslinking of Diels-Alder Network Polymer and Rheological Behavior
Jieyuan Zhang,Ryusuke Kishida,Takeo Suga,Kenichi Oyaizu
- 1Pf018 Development of curing agent for epoxy resin by dibenzazepine derivatives
Hideki Hayashi,Yuzo Ishigaki,Mitsuo Oda
- 1Pe019 Crosslinking reaction of polymeric micelles having active ester in hydrophobic core
Yuki Teramura,Makoto Obata
- 1Pf020 Substituent Effect of Fluorescent Radical Precursors on Polymer Mechanoradical Detection
Takumi Yamamoto,Daisuke Aoki,Hideyuki Otsuka

B. POLYMER PHYSICS: STRUCTURE AND PROPERTIES

- 1Pe021 Liquid Crystal Formation of Novel Binary Systems with an Amorphous Polymer Components and Measurement of their Orientational Order
Shougo Nakagawa,Masanori Nata,Seiji Ujiie
- 1Pf022 Relationship between Hydrophobic Skeleton and Liquid Crystal Order in Ionized Liquid Crystal Polymers
Ayaka Mitsutake,Shogo Nakagawa,Yuko Iwami,Seiji Ujiie
- 1Pe023 Change of swelling degree and isotropic-liquid crystalline phase transition for polypeptide gels induced by changing immersed solvents.

- Miyu Yamasaki, Shogo Nobukawa, Hideki Sugimoto, Katsuhiko Inomata
- 1Pf024 Molecular interaction between fiber/polymers and low-molecular weight compounds 43. Possibility of identification of polyamino acids by adsorption of organic compounds
Aya Inada, Hitoshi Kanazawa
- 1Pe025 Microrheological Analysis of the Entanglement Properties for Polyelectrolyte Semidilute Aqueous Solutions
Atsushi Matsumoto, Chi Zhang, Amy Shen, Frank Scheffold
- 1Pf026 Self-association of a copolymer consisting of vinylidene fluoride and hexafluoropropylene in an ionic liquid
Kota Aoki, Rintaro Takahashi, Ayae Sugawara-Narutaki
- 1Pe027 Molecular simulation for anomalous expansion of a polymer chain in supercritical fluids
Masaki Goto, Tsuyoshi Koga
- 1Pf028 Single chain structure of poly(ethylene oxide)-poly(*N-tert*-butylacrylamide) alternating multiblock copolymers in solution
Mizuki Hirano, Kenji Sakanaya, Yusuke Sanada, Yukiteru Katsumoto
- 1Pe029 Characterization of dynamics in supercooled liquids based on a dynamically correlated network model
Yuya Tsuzuki, Takashi Sasaki, Tatsuki Nakane
- 1Pf030 Dilute Solution Studies on Rodlike Poly(lactic acid) in HFIP
Natsuki Fukuta, Kayo Ueda, Shou Kasuga, Yoshinori Suzuki, Takahiro Watanabe, Moriya Kikuchi, Seigou Kawaguchi

C. FUNCTIONAL POLYMERS AND POLYMER FUNCTIONS

- 1Pe031 Synthesis and spectroelectrochemical analysis of conducting polymer for yellow electrochromic device
Akihito Oshima, Atsushi Aoki
- 1Pf032 Step- π -conjugated polymers (167) Synthesis of A,B block type amphiphilic molecular wire and evaluation of electron transfer
Yusuke Uda, Haoxuan GUO, Hiroyuki Aota
- 1Pe033 Step- π -conjugated polymers (167) Binding of ferrocene-introduced macromolecular wires to gold electrodes by two approaches
Takumu Yanai, Haoxuan GUO, Hiroyuki Aota
- 1Pf034 Step- π -conjugated polymers (168) Preparing macromolecular device on Au electrode
Yuriko Takemura, Haoxuan GUO, Hiroyuki Aota
- 1Pe035 Conversion from isotropic phase to liquid crystal phase in cationic UV curing epoxy resin films by UV irradiation to the free surface
Kohei Itaoka, Daisuke Aoki, Koji Arimitsu, Takahiro Seki
- 1Pf036 Photosensitivity characteristics of photosensitive polyimides consisting of a polyhydroxyimide bearing base-reactive protecting groups and photobase generators
Yuta Fujie, Daiki ukimori, Nobuhiro Ishikawa, Toshiyuki Ogata, Daisuke Aoki, Koji Arimitsu
- 1Pe037 Liquid droplet laser oscillator for microscopic flowmetry
Keitaro Fujita, Hiroshi Yamagishi, Yohei Yamamoto
- 1Pf038 Enhancement of red emission and optical chirality change of hydrophobic DNA/chiral Eu(III) complexes by addition of alkylammonium.
ren kaneko, kazuki nakumura, norihisa kobayashi
- 1Pe039 Hybrid photoinduced orientation of liquid crystalline copolymer films with Schiff base and phenylbenzoic acid side groups
Takehiro Uematsu, Mizuho Kondo, Nobuhiro Kawatsuki
- 1Pe041 Synthesis and Helicity Control of Poly(biphenylacetylene)s Bearing a Small Amount of Carboxylic Acid Pendants
Shoki Takeda, Tomoyuki Ikai, Eiji Yashima
- 1Pf042 Preparation of thermally-rearranged copolybenzoxazole - silica hybrid membrane for gas separation.
Ryo Akiyama, Tomoyuki Suzuki

- 1Pe043 Development of Highly Efficient Chiral Adsorbents Based on Helical Poly(diphenylacetylene) Derivatives
Shota SONA, Daisuke HIROSE, Tsuyoshi TANIGUCHI, Tatsuya NISHIMURA, Katsuhiko MAEDA
- 1Pf044 Synthesis of hyper-branched polymers of cinchona alkaloid organocatalyst for application to asymmetric reaction
Masaya Shibata, Naoki Haraguchi, Shinichi Itsuno
- 1Pf046 Free Volume Tuning of Poly(p-xylylene) Thin Films by changing Amide Side Chains
Mizuki Hayashi, Yu Kitazawa, Mutsumi Kimura
- 1Pe047 Real-Time Detection of a Herbicide Glyphosate utilizing a Water-Gated Polymer Transistor with a Microfluidic System
Kohei Ohshiro, Koichiro Asano, Pierre Didier, Nicolas Lobato-Dauzie, Anthony J Genot, Tsukuru Minamiki, Teruo Fujii, Tsuyoshi Minami
- 1Pf048 Selective permeability of poly(p-xylylene) thin films possessing dimethylamine side chains
Satsuki Yoshida, Yu Kitazawa, Mutsumi Kimura
- 1Pe049 Creation of hybridized molecular gels by use of a polymer hydrogelator and functional materials
Yutaka Ohseido, Mayumi Sasaki
- 1Pf050 Creation of an electrically conductive molecular hydrogel by hybridizing a polymer hydrogelator and water-dispersed polyaniline
Mayumi Sasaki, Yutaka Ohseido

F. INDUSTRIAL POLYMERS AND TECHNOLOGY

- 1Pe051 Synthesis of high-molecular-weight benzoxazine having azomethine linkages in main-chain and the properties of their thermosetting resins
Kanako Yoshimoto, Takehiro Kawauchi
- 1Pf052 Prevention of gas bubble permeation and adhesion on self-healing polyelectrolyte multilayers
Kengo Manabe, Emiko Koyama, Yasuo Norikane
- 1Pe053 Surface modification of alumina using atmospheric pressure plasma CVD
Kenichi Yamazaki, Hiroyuki Yasui, Hinako Suematsu, Tsuyoshi Noguchi, Yuma Suenaga, Akitoshi Okino
- 1Pf054 Development of antibiotic agent refillable coating based on intercalated composite of CPC and montmorillonite
Kenya Matsuo, Kaoru Kameyama, Takumi Okihara
- 1Pe055 Fabrication and properties of carbon nanotube/organic-inorganic hybrid aerogel composites
Taiyo Shimizu, Takeo Yamada, Kenji Hata

D. BIOPOLYMERS AND BIORELATED POLYMERS

- 1Pe061 Spin Conduction in a DNA molecule of which cytosine is methylated
Kento Nakatsuji, Yukihito Matsuura
- 1Pf062 Function of cell adhesive scaffold constructed by E-cadherin-binding DNA aptamer
Haruka Osugi, Akari Tobita, Ryo Maruyama, Keitaro Yoshimoto
- 1Pe063 A "sol in gel" type 3D culture platform to investigate the influence of solution viscosity on proliferation and chondrogenic differentiation of stem cells
Naoki Kawazoe, Kyubae Lee, Toru Yoshitomi, Guoping Chen
- 1Pf064 Physicochemical and Degradation Properties of Silk Fibroin / Polycarbonate Composite Film for Biomedical Materials
Ayumi Yuki, Haruka Yamamoto, Yasumoto Nakazawa, Yoichi Tominaga
- 1Pe065 Self-healing interpenetrating polymer network gel composed of schiff base cross-linking and peptide self-assembling
Shigehito Osawa, Shohei Ishikawa, Kazuki Kudo, Hidenoru Otsuka

- 1Pf066 Construction of hybrid cell spheroids with reactive nanogels for potential biomedical applications
JiARUI SONG, Shin-ichi Sawada, Yoshihiro Sasaki, Kazunari Akiyoshi
- 1Pe067 Design of Thermotropic Liquid Crystalline Polymer Films with Dynamic Surface and Cell Adhesion Behavior
Yosuke Konno, Akifumi Kawamura, Takashi Miyata

Poster2Pab(Remo)

Tue. Sep 7

Presentation Time

<a = 10:00~10:55>

<b = 10:55~11:50>

A. POLYMER CHEMISTRY: SYNTHESIS AND REACTIONS

- 2Pa001 Poly(vinyl ether)s with pendant ionic liquid structures composed of imidazolium salts with carboxylate anions: precise synthesis and the characteristic thermoresponsive behavior
Naoki Matsuo, Arihiro Kanazawa, Sadahito Aoshima
- 2Pb002 Precise Synthesis of Thermoresponsive Block Polymers by Living Cationic Polymerization of Octadecyl Vinyl Ether and Their Thermosensitive Behavior and Physical Gelation in Organic Solvents
Mikiya Umemoto, Arihiro Kanazawa, Sadahito Aoshima
- 2Pa003 Synthesis of poly(p-(3-butenyl)styrene)-b-polystyrene and its aggregation characteristics in organic media
Asuka Kitahara, Kaoru Adachi
- 2Pb004 Synthesis and Fluorescence Property of Rod-g-Coil Copolymer Containing Oligofluorene Chain
Atsuhiko Endo, Risa Hashimoto, Kenji Sugiyama
- 2Pa005 Synthesis and solution behavior of amphiphilic ABC triblock terpolymers containing poly[2-(N,N-dimethylamino)ethyl methacrylate]
Takeru Shimmi, Taiga Tamura, Kenji Sugiyama
- 2Pb006 Synthesis of core-shell particles containing phosphine oxide groups
Rintaro Kitamura, Yasushi Maeda, Shinji Sugihara
- 2Pa007 Systematic Investigation of Morphology Control via RAFT Emulsion Polymerization-Induced Self-Assembly
Atsushi Takashima, Yasushi Maeda, Shinji Sugihara
- 2Pb008 Synthesis of threonine-based zwitterionic copolymers by RAFT polymerization and pH-responsive polyplex formation
Yurika TANI, Hideharu MORI
- 2Pa009 Synthesis of sulfonium cation-containing aggregation-induced emission block copolymers by RAFT polymerization and luminescent polyplex formation.
Shotaro NOBE, Hideharu MORI
- 2Pb010 Photo-Induced Iodine-Transfer Controlled Radical Polymerization under Flow Condition
Go Araki, Takeo Suga, Kenichi Oyaizu
- 2Pa011 Synthesis of amphiphilic triblock copolymers and the effect of coalescence inhibition on suspension polymerization
Eri Fujita, Kosuke Kaneko, Daiki Fujioka, Kiyomi Fuchigami, Tomonori Hanasaki
- 2Pb012 Synthesis and Properties of a Stimuli-Responsive Block Copolymer with Triptycene-Containing Side-Chain Segments
Jiatong Yu, Tomoya Fukui, Takanori Fukushima
- 2Pa013 Intramolecular Energy Transfer of Helically π -Stacked Poly(quinolylene-2,3-methylene) with a Luminescent Substituent at the α -End
Miho Nishio, Naoya Kanbayashi, Taka-aki Okamura, Kiyotaka Onitsuka
- 2Pa015 Synthesis ofazole-containing side chain copolymers for thermally activated delayed fluorescence (TADF)

Naomi ITO, Hideharu MORI

2Pb016 Synthesis of nano-objects by polymerization induced self-assembly using triazole-containing macro-CTA transfer agent their metal-coordination

Chiharu KUMANO, Hideharu MORI

2Pa017 Radical Copolymerizations of Pentafluorophenyl Acrylate with Electron-Rich Monomers and Pendant Transformation for Syntheses of Functional Sequence-Controlled Polymers
Keita Kuroda, Makoto Ouchi

2Pb018 Precision Syntheses of Methacrylate-Acrylamide Alternating Copolymers via Cyclopolymerization and Post-Polymerization Modification: Effects of Sequence and Molecular Weight on Thermoresponsive Behaviors in Water

Xiaoyan Xu, Kentaro Shibata, Makoto Ouchi

2Pa019 Living radical copolymerization and cationic polymerization of glycerol-derived vinyl ethers

Riko Kashima, Tomohiro Kubo, Kotaro Satoh

2Pb020 Synthesis of multi-arm poly(vinyl alcohol) via RAFT polymerization of vinyl acetate

Gaishi Murakami, Tomohiro Kubo, Kotaro Satoh

B. POLYMER PHYSICS: STRUCTURE AND PROPERTIES

2Pa021 Crack Propagation of Tri- and Tetra-Armed Polymer Gels with Homogeneous Network Structure

Arisa Hayakawa, Chiaki Saito, Naoyuki Sakumichi, Takamasa Sakai

2Pb022 Synthesis of Triple Interpenetrating Polymer Networks by Sequential-Simultaneous Hybrid Method Using Reactive Polysiloxane with Various Functional Groups

Junta SANJO, Yusaku KURITA, Shigeaki HABAUE

2Pa023 Effect of Deformation Modes on Large Deformation Stress Relaxation in Near-Critical Gels

Ryo Sakurai, Takuma Aoyama, Naoto Yamada, Kenji Urayama

2Pb024 Relationship between microscopic association behavior and macroscopic viscoelasticity in slime with uniform functionality

Ryota Kudo, Takuya Katashima, Mitsuru Naito, Satoru Nagatoishi, Kanjiro Miyata, Ungil Chung, Kohei Tsumoto, Takamasa Sakai

2Pa025 Formation mechanism of multiple parallel gel filaments using dynamic microfluidic gelation

Meina Kishida, Shuhei Fukushima, Eri Nasuno, Yasuko Yanagida, Norihiro Kato

2Pb026 Fabrication control of multi-core polysaccharide gel filaments using casein micelles

Misuzu Takahashi, Meina Kishida, Yuriko Takayama, Yuriko Nasuno, Norihiro Kato

2Pa027 Effect of Introduction of π -Conjugated Moieties on Curing and Thermal Properties of Multifunctional Benzoxazines

Masanobu Muraoka, Masahide Goto, Masaki Minami, Hiromitsu Sogawa, Fumio Sanda

2Pa029 Dielectric relaxation and dynamics in polyalkylstyrene

Ryo Iguchi, Koji Fukao, Atsushi Takano

2Pb030 Quantitative ESR study of radicals produced in heat-treated Ethylene Ionomers

Shohei Mikage, Chikako T. Nakazawa, Atsushi Asano

2Pa031 Molecular vibration analysis of the solid polymer with hydroxy groups

Sota Goto, Itaru Tsukushi

2Pb032 Characteristic of polyimide network crosslinked by a triamine derivatives

Kazuki Hironaka, Masaki Mizuno, Toshihiro Hiejima, Satoshi Naka

2Pa033 Humidity dependence evaluation of mechanical properties in the film thickness direction in polymer films

Kato Tsuyoshi, Kanda Souki, Matoba Nobuhiro, Takeda Massaki

2Pb034 Fatigue life prediction of bending polymer films by machine learning

Masayuki Kishino, Ryo Taguchi, Norihisa Akamatsu, Atsushi Shishido

2Pa035 Structure-property relationships of syndiotactic polystyrene crystals, based on periodic DFT calculations

Ikumi Saito, Shunsuke Shimomura, Yuji Sasanuma

2Pb036 Analysis of Dependency of Copolymer Structure on Permeability by Molecular Dynamics Simulation
Hidekazu Kojima, Kazuya Handa, Kazuo Yamada, Nobuyuki Matubayasi

C. FUNCTIONAL POLYMERS AND POLYMER FUNCTIONS

- 2Pa041 Bending motion induced by near-infrared laser irradiation of liquid crystalline elastomer containing gold-coated fine particles
Takumi Shimono, Haoxuan Guo, Hiroyuki Aota, Takahiro Yamamoto, Hirosato Monobe
- 2Pb042 Aqueous exfoliation of graphite using cationic polymer dispersants for graphene hydrogels
Ahmed Emad Abdelmoneam Ali Elrefaey, Koichi Kodama, Takuji Hirose, Yoshihiro Ito, Masuki Kawamoto
- 2Pa043 Effect of a substituent group at the benzyl position of 4,5-dimethoxy-2-nitrobenzyl carbamates for photolysis rate
Michiko Ito, Yuki Yamashita, Takafumi Honda, Kazuo Yamaguchi
- 2Pb044 Research of the stimulus-responsive gel used konjac and carrageenan
Koumei Harajiri
- 2Pa045 Complex Formation of Double Hydrophilic Biocompatible Diblock Copolymer with Fullerene
Kohei Kitano, Shin-ichi Yusa
- 2Pb046 Multinetwork Elastomers with a Radical-type Mechanophore
Takuma Watabe, Daisuke Aoki, Hideyuki Otsuka
- 2Pa047 Synthesis of multicomponent polymers by end-functionalized PEG-b-PLA and their possibilities for functional materials
Amon Koizumi, Miki Ikeda, Fuka Kimura, Akari Tasaki, Takafumi Ogawa, Michihiro Iijima
- 2Pb048 Supramolecular gel formation of complexes of photoresponsive azobenzene-containing amine and tartaric acid
Manami Kobayashi, Kazuhiro Yabuuchi, Masaya Moriyama
- 2Pa049 Construction of Nanostructured Soft Actuators Based on Ionic Liquid Crystal/Polymer Composite Electrolytes
Siyu Cao, Masafumi Yoshio
- 2Pb050 Damping Characteristics of Liquid Crystal Elastomers Derived from Soft Mode
Takuho Naraoka, Kenji Urayama
- 2Pa051 Development of Ionically-Active Columnar Liquid-Crystalline Polymer Film Actuators
Che-Hao Wu, Masafumi Yoshio
- 2Pb052 In situ confocal imaging of the network structures of supramolecular-polymer composite hydrogels
Kei Sada, Keisuke Nakamura, Ryou Kubota, Itaru Hamachi
- 2Pa053 Thermo-responsiveness of Poly(4-vinylphenol) in mixed solvents
Natsuki Inaba, Miwa Kubota, Kazuki Sada
- 2Pb054 Separation function of hydrogels with specific binding ability for organic halogen compounds
Takahide Takenami, Naoki Suda, Takuma Kureha
- 2Pa055 Design of self-oscillating gels with varying degree of hydrophilicity in the surface region
Fumiaki Sahara, Won Seok Lee, Takafumi Enomoto, Aya Akimoto, Ryo Yoshida
- 2Pb056 Transcription by Electrochemical Polymerization in Biological Communication Material inducing Apoptosis
Kyoka Komaba, Nobuhiko Nomura, Reiji Kumai, Hiromasa Goto
- 2Pb058 Gelation behaviors of polyureas with cage-type silsesquioxane in the main chains.
Tasuku Kamitani, Ayano Ishida, Hiroaki Imoto, Kensuke Naka
- 2Pa059 Synthesis and properties of a cyclopolymer using an incompletely condensed cage-silsesquioxane methacrylate
Keigo Okamoto, Amato Igarashi, Hiroaki Imoto, Kensuke Naka
- 2Pb060 Orientation Control of Zinc Oxide Thin Films Inspired by Biomineralization

Takahiro Mikami, Shunichi Matsumura, Rino Ichikawa, Junya Uchida, Tatsuya Nishimura, Takashi Kato

2Pa061 Evaluation of Chemiluminescence Properties Based on POSS Scaffolds

Daisuke Iizuka, Masayuki Gon, Kazuo Tanaka

2Pb062 Organic-silica nanocomposites with lamellar structure provided from block copolymer as templates

Reiko Saito, Shinya Watanabe

2Pa063 Developments of Clay Intercalants Using Cationic Cyclic Compounds

Yuki Tagashira, Takahiro Kakuta, Tada-aki Yamagishi

2Pb064 Development of Polymer Hybrid Materials with Luminophore-integrated POSS

Yusuke Taguchi, Masayuki Gon, Kazuo Tanaka

2Pa065 Synthesis of Novel Hybrid Materials Using POSS-based Ionic Liquids

Natsumi Yamada, Masayuki Gon, Kazuo Tanaka

D. BIOPOLYMERS AND BIORELATED POLYMERS

2Pa071 Submicron particles formation of agaroses and their thermal responsiveness.

Namiki Asano, Kenichi Niikura

2Pb072 Synthesis of Thermoplastic Chitin Ester Derivatives

Aoi Nakashima, Kaho Kohori, Kazuya Yamamoto, Jun-ichi Kadokawa

2Pa073 Facile direct introduction of polyoxazoline side chains onto alginic acid

Makoto Tsurube, Akinori Takasu

2Pb074 Design and characterization of gel materials based on nucleic acid-bearing polysaccharides

Hono Inoue, Shin-ichi Sawada, Yoshihiro Sasaki, Kazunari Akoyoshi

2Pa075 Development of Polymer-based fluorescent tissue marking agent.

Toru Yoshitomi, Komatsu Yoshiki, Matsui Hirofumi, Furuya Kinji, Kawazoe Naoki, Gouping Chen

2Pb076 Observation of cell-cell interaction at single-cell level between immune cells and cancer cells using a photo-reactive surface for cell immobilization

Takahiro Kosaka, Satoshi Yamaguchi, Shinya Yamahira, Akimitsu Okamoto

2Pa077 Construction of biomembrane hybrid nanoparticles by density gradient centrifugation

Keigo Ukyo, Yoshihiro Sasaki, Shin-ichi Sawada, Kazunari Akiyoshi

2Pb078 Surface Modification with Partial Hydrophobized CM-PVIm as Biocompatible Biomaterial

YUKA KOBORI, SHOICHIRO ASAYAMA

2Pa079 Development of polymer brush double-layered electrode for low noise of electrochemical biosensing

Yuuki Inoue, Yeji Kim, Hijiri Hasegawa, Yoshitaka Terao, Yoshinobu Tsujii

2Pb080 Biocompatibility of Poly(ethylene glycol) Modified Surface with Different End Group Structure

Hidenori Otsuka, Ryutaro Sato, Yukie Maejima, Daisuke Kozuma

Poster2Pcd(Remo)

Presentation Time

<c = 13:00~13:55>

<d = 13:55~14:50>

A. POLYMER CHEMISTRY: SYNTHESIS AND REACTIONS

2Pc001 Introducing substituents into the Ends of Side Chains in Helically π -stacked Poly(quinolinene-2,3-methylene)

Sora Odagaki, Naoya Kanbayashi, Taka-aki Okamura, Kiyotaka Onitsuka

2Pd002 Synthesis of Novel π -Conjugated Helical Ladder Polymers and Their Optical Properties

Sayaka Miyoshi, Tomoyuki Ikai, Eiji Yashima

- 2Pc003 Chirality Sensing of Chiral Hydrocarbons Based on Chiral Aggregate Formation of Poly(biphenylacetylene) Derivatives
Natsumi KURIHARA, Mayu FUKUDA, Daisuke HIROSE, Tsuyoshi TANIGUCHI, Tatsuya NISHIMURA, Eiji YASHIMA, Katsuhiko MAEDA
- 2Pd004 Synthesis of platinum-containing optically active polymers with controlled geometry
Takashi Horiuchi, Natsuhiko Sano, Hiromitsu Sogawa, Fumio Sanda
- 2Pc005 Structure control of platinum-containing conjugated polymers utilizing ligand exchange
Ryo Aoki, Natsuhiko Sano, Hiromitsu Sogawa, Fumio Sanda
- 2Pd006 Platinum-containing polyesters bearing bipyridine ligands: Synthesis, secondary structure and application to polymer catalyst
Yousuke Fujiwara, Taichi Sotani, Hiromitsu Sogawa, Fumio Sanda
- 2Pc007 Self-assembly from the interaction between end-modified polyoxazoline and Pd (II)
Ryo Itoga, Wen-Li Wang, Ren-Hua Jin
- 2Pd008 Synthesis and fluorescence properties of thermo-responsive amphiphilic copolymers consisted of PNIPAM and polystyrenic block bearing theophylline pendants
Haruka Takebuchi, Ren-Hua Jin
- 2Pc009 Synthesis and properties of a bifacial ladder polymer
Kazuharu Murotani, Fumitaka Ishiwari, Akinori Saeki
- 2Pd010 Macroinitiator approach to polyfluorene-*b*-polyethyleneimine block copolymer and its hybridization with silica.
Yusuke Ookawa, Atsuki WATANABE, Yoshihiro OHTA, Tsutomu YOKOZAWA
- 2Pc011 Synthesis and optical properties of cyclic compounds containing curved terthiophene by means of Suzuki-Miyaura polycondensation
Ryota Shimada, Yoshihiro Ohta, Tsutomu Yokozawa
- 2Pd012 Synthesis of Fully Conjugated Macrocyclic Poly(3-Hexylthiophene) with Various Sizes and its Optoelectronic and Redox Properties
Ryohei Sato, Atsuo Utagawa, Takuya Yamamoto

S4. Development of Element-block Materials for The Bright Future

- 2Pd014 Properties of copolymers of trifluoroethyl and ethylhexyl methacrylates.
Yuki Hirayama, Yoshimasa Matsumura, Bungo Ochiai

A. POLYMER CHEMISTRY: SYNTHESIS AND REACTIONS

- 2Pc015 Design of Precision Degradation Using Mechanistic Transformation of Bulky Methacrylamide Derivatives
Nishiki Tomizawa, Tomohiro Kubo, Raita Goseki, Takashi Ishizone, Kotaro Satoh
- 2Pd016 Ring-opening radical polymerization and copolymerization of thiocarbonyl lactide
Ryoya Kamiki, Tomohiro Kubo, Kotaro Satoh
- 2Pc017 Synthesis of fluoropolymers by sequential-chain one-pot polymerization using radical reaction
Mizuki Arase, Miyu Tanaka, Tadashi Kanbara, Tomoko Yajima
- 2Pd018 Renewable vinyl polymer prepared by a cyclic monomer by styrene derivatives
Yota Chiba, Akane Kazama, Ryo Kawatani, Yasuhiro Kohsaka
- 2Pc019 Synthesis and Regioselective Exchange Reactions of Polystyrene Derivatives Bearing Acylhydrazone Moieties
Akito Moriya, Kounosuke Ohata, Daisuke Nagai
- 2Pd020 Controlled soap-free emulsion polymerization stability using a novel cationic azo radical initiator with chloride or triflate counter anion
Takashi Yamazaki, Akiko Ogawa, Hideki Koizumi, Toshikazu Tsuji

B. POLYMER PHYSICS: STRUCTURE AND PROPERTIES

- 2Pc021 Development of gelatin gels for cell culture with controllable surface microwrinkles

- Saori Sasaki, Keita Eguchi, Ming Wei, Ryu Takahashi, Toshihiro Sera, Susumu Kudo
- 2Pd022 Multiaxial Deformation Analysis of Mechanical Properties of Slide-Ring Elastomers
Takuma Aoyama, Takanori Nakai, Hideki Tamai, Makoto Ishida, Kenji Urayama
- 2Pc023 Derivation of Phase Diagram of Biocompatible Hydrogels
Takuto Hirayama, Takuma Kureha
- 2Pd024 Molecular simulation of mechanical properties of interpenetrating polymer network
Ryoya Nishikawa, Tsuyoshi Koga
- 2Pc025 Molecular simulation of network structure of multiarm associating polymers.
Akira Sugiyama, Tsuyoshi Koga
- 2Pd026 Physical Gelation of Polyacrylonitrile Solution by Freezing and Thawing Method: Swelling Properties in PAN Gels
Yutaka Tanaka, Daisuke Takenaka, Keigo Samoto
- 2Pc027 Relation between the hierarchy of cross-linking relaxation times and toughness of supramolecular hydrogels.
Subaru Konishi, Motofumi Osaki, Akira Harada, Hiroyasu Yamaguchi, Yoshinori Takashima
- 2Pd028 Synthesis of cured thermosets with semi-interpenetrating network structures by in situ polymerization method using a novel monomer
Masashi Shiozaki, Toshiyuki Oyama
- 2Pc029 Development of molecular chains' network of gel with the propagation of necking
Isamu Riku, Koji Mimura
- 2Pd030 Surface modification by cationic surface using poly(N-vinylamide) gel
Tsurugi Kikukawa, Hiroya Hurumai, Hiroaki Yoshida, Hiroharu Ajiro
- 2Pc031 Study of intermolecular interactions of carrageenan by vibrational spectroscopy
Tomoaki Segawa, Harumi Sato
- 2Pd032 Dependence of membrane thickness on hollow-type spherical cellulose gel by different culture conditions of *Komagataeibacter xylinus*
hiroki Saito, ryoto Kon, takao Aoyagi, toru Hoshi
- 2Pc033 Physical cross-link structure of PEG-graft-poly(methyl acrylate) adding Li salt
Masanori Niwa, Nobukawa Shogo, Katsuhiko Inomata
- 2Pd034 Structure-property-function relationship of acrylamide-based hydrogels on surface adhesiveness
Yuto Nakano, Ying Gao, Takafumi Enomoto, Yuji Ohta, Xiang Li, Mitsuhiro Shibayama, Aya Akimoto, Ryo Yoshida, Taihei Nishimoto

C. FUNCTIONAL POLYMERS AND POLYMER FUNCTIONS

- 2Pc041 Development of thermo-responsive double-network hydrogels possessing hydroxypropyl cellulose
Naofumi Fujiwara, Kazunari Yoshida
- 2Pd042 Photoswitching of compatible-incompatible polymer blends in photoresponsive side-chain liquid crystalline polymers
Takumi KOKUBO, Tatsunaga NAKAJIMA, Naoki HIDA, Takahiro SEKI, Shusaku NAGANO
- 2Pc043 Hybrid liquid crystalline phase in binary polymer blends of side-chain liquid crystal polymers.
Tatsunaga NAKAJIMA, Naoki HIDA, Takahiro SEKI, Shusaku NAGANO
- 2Pd044 In Situ Synthesis of Metal-Organic Framework UiO-66 in PDMS Network
Sachi Nagame, Shogo Amemori, Yasuhiro Shigeta, Takuya Kurihara, Tomonori Ida, Motohiro Mizuno
- 2Pc045 Liquid crystal structures and proton conductivity in copolymers with Azobenzene mesogen and acrylic acid side-chains
Kazuya Hirata, Kota Suetsugu, Fangfang Wang, Yuki Nagao, Takahiro Seki, Shusaku Nagano
- 2Pd046 Control of swelling behavior by modifying the surface region of hydrogel
Reo Uchimura, Taihei Nishimoto, Takahumi Enomoto, Aya Akimoto, Ryo Yoshida

- 2Pc047 Enhancement of thermal stability of supramolecular gel structures by photodimerization
Shunki Sasamoto, Haruka Akitaya, Nanako Matsuo, Kazuhiro Yabuuchi, Masaya Moriyama
- 2Pd048 Design of Tough Hydrogels with Polymer Chain Entanglements as Physical Cross-links
Chika Hajime, Yuino Inamoto, Chisa Norioka, Akifumi Kawamura, Takashi Miyata
- 2Pc049 Solvent effects on the photolysis rate of 4,5-dimethoxy-2-nitrobenzyl carbamates
Takafumi Honda, Michiko Ito, Kazuo Yamaguchi
- 2Pd050 Synthesis and evaluation of photoresponsive thiocarbonates and sulfides for improvement of photodegradation rate
Kenta Tagawa, Motoki Sugiyama, Michiko Ito, Kazuo Ymaguchi
- 2Pc051 Thermal Properties and Orientational Behavior of Novel Liquid Crystalline Polyurethanes with Phenethyl Group
Riku Kawahara, Ryo Kurahashi, Masanori Nata, Seiji Ujiie
- 2Pd052 Polymeric hydrogels toughened by an excess amount of liquid crystalline aggregates.
Keita Yamazaki, Hiroki Shibakura, Kenta Ishiyama, Khoa Le, Yumiko Naka, Takeo Sasaki
- 2Pc053 pH response and confocal imaging of a self-assembling peptide-grafted polymer hydrogel
Yuya Hamanaka, Shogo Torigoe, Ryo Kubota, Itaru Hamachi
- 2Pd054 Preparation of Polybutadiene Films Containing Azobenzene Moieties
Minami Takahashi, Yumiko Naka
- 2Pc055 Tough Hydrogel with Liquid Crystalline Aggregates: Effect of Length of Aggregates on Mechanical Properties
Kenta Ishiyama, Kouta Shida, Hiroki Shibakura, Keita Yamazaki, Khoa Le, Yumiko Naka, Takeo Sasaki
- 2Pd056 Liquid Crystal Structure of Induced Smectic Phase in Side-Chain Liquid Crystalline Copolymers with Binary Mesogens
Yuma SHIBUYA, Naoki HIDA, Takahiro SEKI, Shusaku NAGANO
- 2Pd058 Development of silsesquioxane-based self-healing materials using azole-zinc complexes
Takuto OHASHI, Yusuke SASAKI, Hideharu MORI
- 2Pc059 Synthesis of Hybrid Conductive Fiber by compounding Polyaniline and Properties of Textile Electronic Device
Kyoka Komaba, Reiji Kumai, Hiromasa Goto
- 2Pd060 Development of triangular nanocatalyst from diblock polypeptide amphiphiles with Lysine and Leucine with anionic polyoxometalate.
Takayuki Tanaka, Yuya Tanimura, Keita Kuroiwa
- 2Pc061 Direct metal-deposition on micro-structured polymer surfaces fabricated by template method
Sumire Isachi, Daisuke Ishii
- 2Pd062 Properties of polyacrylates by utilizing cage silsesquioxanes controlled in symmetry of the skeleton.
Amato Igarashi, Hiroaki Imoto, Kensuke Naka
- 2Pc063 Effect of hydrophobization of ultralight carbon nanotube/carboxymethyl cellulose composites on elastic recovery behavior
Kenta Ono, Kazuki Matsushima, Tomonaga Ueno
- 2Pd064 Nanoparticle formation of luminescent lanthanide coordination polymers depended on the molecular structures
Kensei Sasaki, Sunao Shoji, Yuichi Kitagawa, Kazuki Nakamura, Norihisa Kobayashi, Koji Fushimi, Yasuchika Hasegawa

D. BIOPOLYMERS AND BIORELATED POLYMERS

- 2Pc071 Aggregations composed of a short L-peptide and a short D-peptide which have the same sequence
Shiho Seguchi, Takane Tsutii, Kunihisa Sugimoto, Sayuki Kanemitsu, Kenta Motira, Tatsuo Maruyama

- 2Pd072 Synthesis of Metallopeptides for Subnanoparticle Template Applications and Structural Observation
Nanami Antoku, Kazuki Nishiyama, Masayoshi Tanaka, Takane Imaoka, Mina Okouchi, Kimihisa Yamamoto
- 2Pc073 Synthesis of expanded poly(L-amino acid) containing CNN-pincer platinum(II) complexes
Taisei Kawamukai, Mami Ishikawa, Taka-aki Okamura, Kiyotaka Onitsuka
- 2Pd074 Construction of artificial viral capsid decorated with reconstructed ribonuclease S and the anti-cancer activity
YingBing Liang, Junpei Oda, Hiroshi Inaba, Kazunori Matuura
- 2Pc075 Mechanism of melittin inhibition by indole derivatives
Sayuki Kanemitsu, Yudai Tominaga, Kanon Nishimura, Kenta Morita, Yumemi Yamamoto, Atsuo Tamura, Tatsuo Maruyama
- 2Pd076 Evaluation of synthetic procedure of unusual amino acid-based peptide and its conformational study
 Hiromasa Sugiura, Yoshihito Inai
- 2Pc077 Intramolecular interaction and structure feature of a peptide-based chain-branched structure
 Jun Tanaka, Ryohei Kakami, Yoshihito Inai
- 2Pd078 Application of submicron-spatial-resolution-infrared-spectroscopy to chemical-structural-imaging of biomaterials
Naoki Baden, Kobayashi Hanae, Norio Urayama

Poster2Pef(Remo)

Presentation Time

<e = 15:00~15:55>

<f = 15:55~16:50>

A. POLYMER CHEMISTRY: SYNTHESIS AND REACTIONS

- 2Pe001 Synthesis and sensing ability of π -conjugated polymer bearing alloxazine unit in the main chain
Soma Yoshizawa, Isao Yamaguchi, Aohan Wang
- 2Pf002 Chirality induction in oligoacenes using a metal-organic framework
Daichi Akiyama, Yusuke Nada, Takashi Kitao, Takashi Uemura
- 2Pe003 Construction of Donor-Acceptor Type Conjugated Polymers Based on Pilar[5]arene Units
Keisuke Wada, Kenichi Kato, Shunsuke Ohtani, Shixin Fa, Tomoki Ogoshi
- 2Pf004 Design of Unique Supramolecular Elastic Material by Polymerization of Plug-in typed [2]Rotaxane Dimer
Risako KAMOTO, Kenjiro ONIMURA, Kazuhiro YAMABUKI
- 2Pe005 Controlling Solid-State Luminescence Properties of the *o*-Carborane Derivatives
Kazuhiro Yuhara, Junki Ochi, Kazuo Tanaka
- 2Pf006 Construction and Optical Properties of Extended π -conjugated Systems Using Hypervalent Bismuth
Kazuya Tanimura, Masayuki Gon, Kazuo Tanaka
- 2Pe007 Modulation of Photophysical Properties of Conjugated Polymers Based on Energy-Level Tuning of the Ligands of Typical Element Complexes
Shunichiro Ito, Yoshinori Ito, Kazuo Tanaka, Yoshiki Chujo
- 2Pf008 Construction of Stimulation Responsive Conjugated Polymers Using Hypervalent Bond
Yusuke Morisaki, Masayuki Gon, Kazuo Tanaka
- 2Pe009 Control of Functional Emission Properties of Conjugated Homopolymers Composed of Boron β -Dialdiminate Complexes with Side-Chain Engineering
Yuki SAKAI, Shunichiro ITO, Kazuo TANAKA
- 2Pf010 Control of Emission Properties of Nitrogen-Containing Aromatic Heterocycles by Modulating their Molecular Orbital Levels with Boron Complexation
Hiromasa Takahashi, Shunichiro Ito, Kazuo Tanaka

- 2Pe011 Development of Deep-Red Emissive Boron Complexes Showing Crystallization-Induced Emission Enhancement
Masashi Nakamura, Masayuki Gon, Kazuo Tanaka
- 2Pf012 Creation of Novel Luminescent Materials Based on Boron-Fused Azomethine Complexes
Misato Kanjo, Masayuki Gon, Kazuo Tanaka
- 2Pe015 Ring-Opening Polymerizations of Six-Membered Monomers Composed of Oxoester and Thioester
Mao Hirata, Shin-ichi Matsuoka, Koji Takagi, Masato Suzuki
- 2Pf016 Lewis Pair Polymerization of Polar Vinyl Monomers Catalyzed by Metal Triflates as Lewis Acid
Mayo Horibe, Kazumasa Mori, Shin-ichi Matsuoka, Masato Suzuki
- 2Pe017 Synthesis of polybromothiophene for polymer reactions by electrooxidative polymerization.
Hazuki Goto, Yoshimasa Matsumura, Bungo Ochiai

B. POLYMER PHYSICS: STRUCTURE AND PROPERTIES

- 2Pe021 Crystallization temperature and molecular weight dependence of the formation of banded spherulites of poly(p-dioxanone)
Mayuko Kimura, Shinichi Yamazaki, Hironori Atarashi, Kunio Kimura
- 2Pf022 Spherulite growth of polymers from the melt under electric field
Masahiro OHMORI, Masato HASHIMOTO, Tomoko MIZUGUCHI, Susumu FUJIWARA
- 2Pe023 Relationship between crystallization and molecular weight of poly (& epsilon; - caprolactone) grafted on silicon substrates
Yuudai Tega, Shuta Hara, Manabu Inutsuka, Takayuki Ikehara
- 2Pf024 Unique crystallization behavior and morphology of PVDF in PMMA/PVDF blends
Akihiro Naruke, Xiaobin Liang, Ken Nakajima
- 2Pe025 Molecular dynamics simulation of melt-memory-effects: Structure of melt and emerging crystalline morphology
Takashi Yamamoto
- 2Pf026 Temperature dependence of relaxation time for atactic polystyrene by using temperature-modulated DSC (TMDSC) and dynamic mechanical analysis (DMA)
Ritsuki Hayashi, Itaru Tsukushi
- 2Pe027 Glass transition temperature of phospholipid with various water contents
Shuhei Yawata, Koji Fukao
- 2Pf028 Subnanoporosity relevant to oxygen gas permeability into PET elucidated by positron annihilation lifetime measurement
Hiroyuki Hosomi, Sigeru Yoshimoto, Masaaki Takeda
- 2Pe029 Reformation of Assembled Structure of PET by Metal-Organic Frameworks
Hiroataka Taketomi, Nobuhiko Hosono, Takashi Uemura
- 2Pf030 Intermolecular hydrogen bondings of poly(butylene succinate) studied by low-frequency vibrational spectroscopy.
Kohei Ito, Harumi Sato
- 2Pe031 Adsorption of butanol in nanopore films of syndiotactic polystyrene
Takahiko Nakaoki, Saki Fujino
- 2Pf032 Molecular mobility and of stereocomplex poly lactic acid by solid-state high resolution ¹³CNMR
Takahiko Nakaoki, Yoshiki Tamura
- 2Pe033 Investigation of High Strength for PVA Film prepared thorough out Freeze/Thaw Cycle Method
Takahiko Nakaoki, Taiki Ito
- 2Pf034 Effects of counter ions and neutralization degree on physical properties of ionic polydiphenylsiloxane glasses
Keigo Ota, Yohei Miwa, Shoichi Kutsumizu
- 2Pe035 Effect of crystallization on the ductility of the Poly(L-lactic acid)
Taiga Kawashima, Takahiko Kawai, Shin-ichi Kuroda

2Pf036 Effect of annealing on the nanovoid formation of beta-phase polypropylene during deformation.
Takeru Shiraishi,Takahiko Kawai,Shin-ichi Kuroda

C. FUNCTIONAL POLYMERS AND POLYMER FUNCTIONS

2Pe041 Novel Periodic Structure Formed by Photopolymerization of Liquid-Crystalline Monomers
Yuki Shikata,Kyohei Hisano,Osamu Tsutsumi

2Pf042 Induced smectic phases and LC orientation in side-chain liquid crystal polymers with binary mesogens
Naoki Hida,Tatsunaga Nakajima,Takumi Kokubo,Mitsuo Hara,Syusaku Nagano,Takahiro Seki

2Pe043 Homeotropic alignment to nematic liquid crystals induced by dissolved copolymers of (meth)acrylates possessing liquid crystal groups with hydrophilic comonomers having no amino groups
Hiroyasu Fujisaki,Osamu Haba,Yuichi Momoi

2Pf044 LCST Behavior of NIPAAm-crownether Network Polymer with Molecular Recognition and Temperature Responsiveness
Miho Yamagata,Kenjiro Onimura,Kazuhiro Yamabuki

2Pe045 Temperature-dependence of phototriggered mass migration direction in liquid crystalline azobenzene polymer thin films
Reona Kanazu,Mitsuo Hara,Syusaku Nagano,Takahiro Seki

2Pf046 Construction of Photochemical Hydrogen Evolving Systems Utilizing the Shell Site of the Core-Crosslinked Polymer Micelle
Takafumi Enomoto,Aya M. Akimoto,Ryo Yoshida

2Pe047 Effect of Polymerization form on the structure of Crystalline Gel Particles
Jin Gong,Kazuhiro Ara,Itsuki Hachiya

2Pf048 Thermo responsiveness of organic polymers in fluorinated solvents
Miwa Kubota,Natsuki Inaba,Kazuki Sada

2Pf050 Synthesis of Stimuli-Responsive Extended-Viologen-Containing Polymers
Riki Saito,Yumiko Naka

2Pf052 Analysis of the relationship between structure and properties of a hydrogel with nanoscale phase-separated surface structure
Taihei Nishimoto,Takafumi Enomoto,Chia-Hsuan Lin,Jhieh-Guang Wu,Caidric Gupit,Xiang Li,Shyh-Chyang Luo,Mizutani Aya Akimoto,Ryo Yoshida

2Pe053 Electrochemical control of the self-oscillating polymer brush surface
Keita Terui,Takafumi Enomoto,Shunsuke Yagi,Aya Akimoto,Ryo Yoshida

2Pf054 Fabrication of thermoplastic hydrogels with embedded liquid crystalline aggregates
Hiroki Shibakura,Keita Yamazaki,Kenta Ishiyama,Khoa Le,Yumiko Naka,Takeo Sasaki

2Pe055 Evaluation of electrical response and solid-state properties of mechanochromic materials containing quaternized pyridine at the molecular terminal.
Satoka Yanai,Mizuho Kondo,Takeshi Kakibe,Nobuhiro Kawatsuki

2Pf056 Synthesis of elastomers containing azobenzene in the crosslinked part and side chain
Takumi Kabutou,Kensuke Katsuyama,Masatoshi Kidowaki

2Pf058 Improvement of drawability of PVA fiber by lithium iodide addition
Yusuke Taoka,Masayuki Yamaguchi,Kazuaki Matsumura

2Pe059 Fabrication and Characterization of Silver Nanowire/Siloxane 4-Arm Polymer Composites as Self-healing Materials
Moeka Inada,Toru Asahi,Kei Saito

2Pf060 Development of near-infrared shielding CWO nanoparticles encapsulated by polymers
Takumi KUDO,Moriya KIKUCHI,Atsushi IGARI,Takeshi CHONAN,Seigou KAWAGUCHI

2Pe061 Design of carbon composite conductive polymeric materials with movable cross-linked network penetrated by a linear polymer
Kota Kajimoto,Junsu Park,Ryohei Ikura,Motofumi Osaki,Yoshinori Takashima

- 2Pf062 Preparation and Tribological Properties of Cellulose Nanofiber/Epoxy Composite Materials via Cryogel Precursor
Hiroki Uramatsu, Hiroshi Eguchi, Kenji Nagata
- 2Pe063 Dispersion and encapsulation of TiO₂ particle via in-situ emulsion polymerization.
MD Kamrul Hasan, Moriya Kikuchi, Seigou Kawaguchi
- 2Pf064 Ultra-Long Polymer Intercalates MOF: Synthesis of a New MOF/Polymer Composite
Hiroyuki Sano, Tomoya Iizuka, Nobuhiko Hosono, Takashi Uemura

D. BIOPOLYMERS AND BIORELATED POLYMERS

- 2Pf066 Nucleation of hydroxyapatite crystal and growth of the arranged crystal aiming at bone repair agents by bio-mineralization
Aisa Kuwahara, Masahiro Higuchi, Shogo Matubara
- 2Pe067 Investigation of the adhesive mechanism of a clingfish by finite element method simulations
Kazuma Tsujioka, Yasutaka Matsuo, Yuji Hirai, Masatsugu Shimomura
- 2Pf068 Structural control of formed silica by mineralization in biomolecular ionic liquids
Hiroka Hayashi, Takayuki Nonoyama, Kazuki Murai
- 2Pe069 Conformational regulation of peptide templates with the progress of mineralization having regulated growth direction
Masayuki Sakano, Masahiro Higuchi, syogo Matsubara
- 2Pf070 Functional modulation of anti-biotic molecules by assembly with short peptide amphiphile
Kenta Morita, Witta Kartika Restu, Yuya Nishimura, Jun Ishii, Tatsuo Maruyama
- 2Pe071 Development of Biliary Stent Having Antifouling Properties by Atmospheric Pressure Low-Temperature Plasma
Tomoyuki Hamasaki, Masashi Yamamoto, Takuya Kumagai, Yoichiro Mori, Jun Sekiguchi, Masayasu Aikawa, Hideo Horibe
- 2Pf072 Preparation and characterization of cytocompatible phospholipid polymer bearing reversible photochromic property.
Mei Iwatsuki, Yuta Yoshizaki, Tomohiro Konno
- 2Pe073 Preparation of spontaneous and reversible phospholipid polymer hydrogels based on intermolecular interaction for advanced cell engineering
Sachi Moriwaki, Yuta Yoshizaki, Tomohiro Konno
- 2Pf074 Design of Smart Hydrogel with Dynamic Molecular Binding Sites and Control of Drug Release
Yuto Toyoshima, Akifumi Kawamura, Yoshinori Takashima, Takashi Miyata
- 2Pe075 Synthesis of a multi-functional molecule bearing unusual amino acid-containing peptide segments, and its conformational properties
Takahiro Suzuki, Yoshihito Inai
- 2Pf076 Influence of chemical structure on intermolecular interactions for an aggregative peptide backbone incorporating an unusual amino acid residue
Rihito Tanaka, Kosuke Iijima, Yoshihito Inai
- 2Pe077 Design and function of thermosensitive polymer-modified glucan dendrimers
Hayata Kimura, Yoshihiro Sasaki, Tomoki Nishimura, Shin-ichi Sawada, Kazunari Akiyoshi

Poster3Pab(Remo)

Wed. Sep 8

Presentation Time

<a = 10:00~10:55>

<b = 10:55~11:50>

A. POLYMER CHEMISTRY: SYNTHESIS AND REACTIONS

- 3Pa001 Precision Synthesis of Graft or Star-Shaped Copolymers Consisting of Polylactide Segments and Thermoresponsive Poly(Vinyl Ether)s via Controlled Cationic Copolymerization
Yuya Asada,Arihiro Kanazawa,Sadahito Aoshima
- 3Pb002 Synthesis of multibranching polymers via desilylation of trimethylsilyl groups
Kosuke Nakano,kaoru adachi
- 3Pa003 Synthesis of end-functionalized star-shaped polylactides with coumarin groups and their reversible cross linking reaction.
Minami Matsuda,Kenji Sugiyama
- 3Pb004 End group effects on the thermal behavior of star-shaped polycaprolactones
Kotaro Kinoshita,Kenji Sugiyama
- 3Pa005 RAFT Aqueous Dispersion Polymerization Using Graft Copolymer-Type RAFT Agent
Mikiya Ishihara,Atsushi Takashima,Mikito Muratomi,Yasushi Maeda,Shinji Sugihara
- 3Pb006 Research for the stretchable electric materials using core cross linked star block polymers by living radical polymerization
Hisakazu Tanaka,Shin Inagaki,Tomoya Higashihara
- 3Pa007 Synthesis of star polymer with polyfunctional thiol chain transfer reagent
Jinpei Tei,Shunsuke Chatani,Eiko Okamoto
- 3Pb008 Metal-free one-pot synthesis of heteroarm star polymers with antibiofouling property
Daisuke Hasegawa,Chika Hashimoto,Tsuyoshi Ando,Hiroharu Ajiro
- 3Pa011 Diels-Alder Polymerization of Rigid Monomers Derived from myo-Inositol
Jinpei Kitasaka,Atsushi Sudo
- 3Pb012 Syntheses of Polyurethanes and Polyamides Using Rigid Diol and Dicarboxylic Acid Derived from myo-Inositol
Haruki Kobayashi,Atsushi Sudou
- 3Pa013 Synthesis and properties of light-emitting chiral polyurethane bearing fluorene units
Zhiyi Song,Heshuang Dai,Masayoshi Bando,Tamaki Nakano
- 3Pb014 Synthesis and structure of optically active poly(benzene-1,4-diyl) derivatives bearing bulky side-chain groups
Qingyu Wang,Zhiyi Song,Masayoshi Bando,Tamaki Nakano
- 3Pa015 Synthesis and structural isomerization of hyperbranched optically active poly(fluorenevinylene) derivatives
Pengfei Wu,Zhiyi Song,Masayoshi Bando,Tamaki Nakano
- 3Pb016 Additive-controlled topology switching from cyclic polymer to linear polymer with defined end groups
So MIYAZAKI,Takeru KAMIGAWARA,Yoshihiro OHTA,Tsutomu YOKOZAWA
- 3Pa017 Direct synthesis of thermal-stable copolyimide using 4-aminohydrocinnamic acid
Taiki Endo,Tomoya Higashihara
- 3Pb018 Synthesis of poly(phenylene ether ketone) (PPEK) derivatives by using chain extender and their polymer properties
Atsushi Mori,Hiroki Muraoka,Satoshi Ogawa
- 3Pa019 Synthesis and properties of triphenyltriazine-containing aromatic polyethers by aromatic nucleophilic substitution polycondensation
Bunta Fujiya,Tadashi Tsukamoto,Yuji Shibasaki,Yoshiyuki Oishi
- 3Pa021 Supramolecular Polymerization-Induced Emission of Diphenylthiophene Bearing Barbituric Acid
Maika Kawaura,Shiki Yagai
- 3Pb022 Supramolecular Polymers Exhibiting Distinct Higher-Order Structures and Fluorescence Properties Depending on The Monomer Packing
Yuta Sato,Hayato Ouchi,Shiki Yagai
- 3Pa023 Inversion of Supramolecular Chirality in Spiral Supramolecular Polymers
Mei Tochibori,Shiki Yagai
- 3Pb024 Scissor-shaped Azobenzene Dyad Self-assembling into Photoresponsive Nanorings
Hironari Arima,Shiki Yagai,Luis Sanchez,Jorge S. Valera
- 3Pa025 Supramolecular polymorphism observed for supramolecular polymers formed by barbiturate monomer with π -extended stilbene core

Saki Imai, Shiki Yagai

3Pb026 Spontaneous Induction of Helicity in Supramolecular Polymers Composed of Chlorophyll with Barbiturate Unit

Ryoma Tsuchida, Shiki Yagai, Hitoshi Tamiaki

3Pa027 Photoinduced Unfolding of Coiled Supramolecular Polymers Leading to Interchain Aggregation

Kenta Tamaki, Shiki Yagai

3Pb028 Transformation from nanorings into nanofibers on self-assembly of a scissor-shaped azobenzene dyad

Natsuki Suda, Shiki Yagai

3Pa029 Amplification of Asymmetry in Hierarchical Self-assembly of a Scissor-Shaped Azobenzene Dyad

Takuho Saito, Shiki Yagai

B. POLYMER PHYSICS: STRUCTURE AND PROPERTIES

3Pa031 Research on cationic dispersion polymerization using epoxides for preparation of polymeric microspheres

Yuri Akimoto, Takeshi Wakiya, Daisuke Aoki, Koji Arimitsu

3Pb032 Particle arrangements on solid substrates through evaporation of dispersions containing elastomer microspheres

Yuma Sasaki, Seina Hiroshige, Masaya Takizawa, Yuichiro Nishizawa, Takayuki Uchihashi, Haruka Minato, Daisuke Suzuki

3Pa033 Macroscopically uniform arrangement of perpendicularly oriented nanocylinder by self-guided self-assembling method

Motonori Komura, Ayumu Tsuchiya

3Pb034 Capsule Particles Prepared by Interfacial Photocrosslinking of Polymer Particles with Nucleobase Groups

Akari Dosaka, Yukiya Kitayama, Eiji Yuba, Atsushi Harada

3Pa035 Formation of Interfacial Molecular Films by Comb-Copolymers Containing Diamino-s-Triazine Ring, and Its Interaction with DNA Molecule

Momo MAEDA, Haruka MARUYAMA, Atsuhiko FUJIMORI

3Pb036 Surface-Modification of Two Types of Single-Walled Carbon Nanotubes with Different Manufacturing Processes, and Its Polymer Composites Preparation

Kai XU, Takuto HAYASAKI, Atsuhiko FUJIMORI

3Pa037 Adsorption Immobilization of Biomolecules from Subphase on Langmuir Monolayers of Organo-Modified Single-Walled Carbon Nanotube

Yuna YAMADA, Takuto HAYASAKI, Ahmed A. ALMARASY, Atsuhiko FUJIMORI

3Pb038 Activity Maintenance Characteristics and Protease Adsorption on Langmuir Monolayer of Organo-Modified Single-Walled Carbon Nanotubes

Almarasy Ahmed, Yuna Yamada, Takuto Hayasaki, Atsuhiko Fujimori

3Pa039 Topology effect of cyclic poly(ethylene glycol) on silver nanoparticles dispersion stability

Onyinyechukwu Oziri, Yubo Wang, Tomohisa Watanabe, Shuya Uno, Masatoshi Maeki, Manabu Tokeshi, Takuya Yamamoto

3Pb040 Solid-State Structure and Thermal Behavior of Network Polymers with Trifunctional Hyperbranched Units with s-Benzenetricarbamide as Core

Yuto OTSUKI, Junto YAMAGUCHI, Yuji SHIBASAKI, Atsuhiko FUJIMORI

C. FUNCTIONAL POLYMERS AND POLYMER FUNCTIONS

3Pa041 Application of F-F interaction to microcontact printing on a plastic surface coated with a fluoropolymer

Takane Tsuchii, Kazuki Kaneko, Takashi Nishino, Tatsuo Maruyama

3Pb042 Surface modification by mineralization for giving water- and oil-repellent

Anna Suematsu, Masahiro Higuchi, Syogo Matsubara

3Pa043 Design of material surface using anti-ice nucleus peptides

- Taichi Okamoto, Tadashi Asada, Tatsuya Mizusawa, Koji Takiguchi, Yoshiaki Hirano
- 3Pb044 Surface Charge Tuning of Aqueous Dispersed Polytetrafluoroethylene Particles by Single Step Bioinspired Polydopamine Coatings
Manjit Singh Grewal, Hiroya Abe, Yasutaka Matsuo, Hiroshi Yabu
- 3Pa045 Formation of peptide monolayer on gas-liquid interface using LB method and fabrication of nanoline structure composed of organic-inorganic composite obtained by self-supplied mineralization
Kousuke Tsujii, Masahiro Higuti, syougo Mastubara
- 3Pb046 Characterization of thiol-containing polysiloxane copolymers on gold surfaces
Nutthon Yokachuksuse, Ryosuke Matsuno, Akira Miyano, Kakeru Ninomiya, Maiko Nishibori, Hisao Kiuchi, Yoshihisa Harada, Atsushi Takahara
- 3Pa047 Regioselective bifunctional surface preparation using photoresponsive phosphonic acid
Takahiro Ueta, Kazuo Yamaguchi, Takuma Igari
- 3Pa051 All-atom molecular simulation on the transport of gaseous molecules in polyelectrolyte membrane
Tetsuro Nagai, Kazushi Fujimoto, Susumu Okazaki
- 3Pb052 Effect of Cyano Groups on Ion Transport Properties for Polyether-based Electrolytes
Shintaro Saku, Kousuke Matsuo, Riho Matsuoka, Koki Yamada, Ryansu Sai, Yu Katayama, Hiromori Tsutsumi
- 3Pa053 High-efficiency organic solar cells based on polythiophene derivatives bearing ester and fluorine substituents
Taiki Menda, Tatsuya Mori, Takuma Yasuda
- 3Pb054 Synthesis of Acetone-substituted Polymer and Its Hydrogenation and Dehydrogenation
Yuka Tobita, Yusuke Kaiwa, Kenichi Oyaizu
- 3Pa055 Electrochemical evaluation of solid polymer electrolyte-based lithium battery using surface-modified positive electrode by UV-ozone treatment
Yumi Aso, Nono Toda, Hiroaki Usui, Yoichi Tominaga
- 3Pb056 Preparation and characterization of inorganic solid electrolyte/polymer composites
Itsuki Funai, Yoichi Tominaga
- 3Pa057 Extended cyclability for SiO anode using poly(vinylphosphonic acid) binder
Noriyuki Takamori, Tadashi Yamazaki, Rajashekar Badam, Noriyoshi Matsumi
- 3Pb058 Application of Pyridyl-Type Poly(borosiloxane) as Silicon Anode Binder in Li Ion Secondary Batteries
Krishna Prasad Gannavarapu, Badam Rajashekar, Noriyoshi Matsumi

E. POLYMERS AND ENVIRONMENT

- 3Pa061 The change in physical properties of poly(L-lactide) copolymers by stereocomplex formation
Chikara TSUTSUMI, Shion HIURA, Takumi KONDOU, Susumu NAKAYAMA, Yuushou NAKAYAMA, Takeshi SHIONO
- 3Pb062 Suppressing the alcoholysis activity in polyhydroxyalkanoate synthase to increase the molecular weight of PHA
Manami Hyakutake, Takeharu Tsuge
- 3Pa063 Preferentially metabolized carbon sources by *R. entrophia* in a medium mixed with glycerine and other carbon sources.
Takahiko Nakaoki, Mitsuki Nagahama
- 3Pb064 Synthesis of a novel ester-free poly(trimethylene) carbonate with various aromatic substituents introduced into the side chain
Rikyuu Miyake, Hiroharu Ajiro
- 3Pa065 Investigation of crystal transition process from Cellulose I to Cellulose II by low temperature alkali treatment
Yuki Kugo, Takuya Isono, Kenji Tajima, Toshifumi Satoh, Tomoki Erata
- 3Pb066 Molecular weight of each block for P3HA block copolymers biosynthesized from *Ralstonia eutropha*.
Takahiko Nakaoki, Haruto Nakamura

- 3Pa067 In vitro enzymatic polymerization of β -2,6-fructan and thermal and mechanical properties of ester derivatives
Seizo Okada, Satoshi Kimura, Kenji Tajima, Tadahisa Iwata
- 3Pb068 Modification of Physical Properties of Poly(Lactic Acid) by Adding Lactic Acid Copolymers
Takayoshi Matsuura, Takeshi Shiono, Ryo Tanaka, Yuushou Nakayama
- 3Pa069 Preparation of flexible film based on the interaction between chitosan and poly(trimethylene carbonate) derivatives
Yuka Morimura, Koichi Irikura, Chantiga Choochottiros, Natjaya Ekapakul, Nalinthip Chanthaset, Hiroharu Ajiro
- 3Pb070 Properties of cellulose-graft-oligo(lactic acid) synthesized via azeotropic dehydration polymerization
Shuntaro Koshima, Masashi Kijima
- 3Pa071 High yield of biopolyester from glycerin as a carbon source by *R.eutropha*.
Takahiko Nakaoki, Shugo Kuratani
- 3Pb072 Synthesis of bio-based polyamide using caffeic acid dimer
Takumi Sato, Takumi Noda, Kenji Takada, Tatsuo Kaneko
- 3Pa073 Synthesis and Biodegradation of Poly(ester-thioether) Composed of Dianhydrohexitols
Suzuka Takeuchi, Akinori Takasu

Poster3Pcd(Remo)

Presentation Time

<c = 13:00~13:55>

<d = 13:55~14:50>

A. POLYMER CHEMISTRY: SYNTHESIS AND REACTIONS

- 3Pc001 Synthesis and thermoresponsive properties of surface random-type PAMAM dendrimers by introduction of oxazoline units
Makoto Kishi, Keigo Aoi
- 3Pd002 Synthesis and elucidation of properties of star-shaped polymers with helical polyacetylene arms
Shota Mino, Masahide Goto, Hiromitsu Sogawa, Fumio Sanda
- 3Pc003 Synthesis of helical ladder polymers with different repeating structures by direct arylation
Asuka Maeda, Koji Takagi
- 3Pd004 Synthesis of hyperbranched polyphenylene by means of unstoichiometric $A_2 + B_3$ Suzuki-Miyaura polycondensation through intramolecular catalyst transfer and reaction of its boronate end groups.
Ryusuke SHIMADA, Yuuki TAKAHASHI, Hajime SUGITA, Yoshihiro OHTA, Tsutomu YOKOZAWA
- 3Pc005 Precision synthesis and properties of end-functionalized hyperbranched polyamide and its diblock copolymer with polystyrene
Hiroki KOBAYASHI, Yoshihiro OHTA, Tsutomu YOKOZAWA
- 3Pd006 Fabrication of periodically crosslinked network using dithiol-functionalized MOF
Ikki Matsuda, Takashi Kitao, Takashi Uemura
- 3Pc007 Synthesis and property of novel cage structure based on p-t-butylcalix[4]arene (BCA[4])
Hiroyuki Maekawa, Koushu Nakamura, Hiroto Kudo
- 3Pc011 Synthesis and properties of perfluoroalkylene-containing polybenzoxazoles by in situ silylation method
Shunta Takahashi, Tadashi Tsukamoto, Yuji Shibasaki, Yoshiyuki Oishi
- 3Pd012 Synthesis of telechelic polythymol and development of thermosetting thymol
Yoshiki Komaki, Tadashi Tsukamoto, Yoshiyuki Oishi, Yuji Shibasaki
- 3Pc013 Preparation and Application of Novel Reactive Polymers Based on Phenolic Resin Derivatives
Yo Sakashita, Tadamasu Nemoto

- 3Pd014 Synthesis of fluorene containing polymers using divalent vinyl ketones as a multi-dimensional reactive platform
Masatoshi Ohyama, Rie Yasuda, Shinsuke Miyauchi, Yasuhiro Kohsaka
- 3Pc015 Novel Synthetic Method for Polythioethers from Sulfur and Dicarboxylic acids
Taiki Shiraishi, Takeshi Yamanobe, Masaru Yoneyama
- 3Pd016 Synthesis of polyimines from various aliphatic diamines by oxidative polymerization using ionic liquid and oxygen
Haruka Shimoda, Takeshi Yamanobe, Masaru Yoneyama
- 3Pc017 Reexamination of reactivity of N-Carboxy amino acid anhydrides 97. Relationship between the purity of amino acid NCA crystals and the reactivity
Hitoshi Kanazawa, Aya Inada
- 3Pd018 Synthesis of polysiloxane using by organometallic carboxylic acid catalyst
Ryosuke MATSUNO, Nutthon YOKACHUKSUSE, Atsushi TAKAHARA
- 3Pc019 Straightforward Synthesis of Polycarbosilanes by Polycondensation of Chlorosilanes and Chloromethanes
Keita Fuchise, Kazuhiko Sato, Norihisa Fukaya
- 3Pc021 Preparation of main-chain supramolecular polysulfide polymer using metal-ligand interactions.
Yuki Yamagishi, Daiki Kitano, Akiyoshi Horiguchi, Yuichiro Kobayashi, Hiroyasu Yamaguchi
- 3Pd022 Synthesis and Properties of Cross-linked Polymers Using Macrocyclic Dinuclear Palladium Complex
Koji Yamamoto, Toshikazu Takata
- 3Pc023 Conformation and Photoresponse of Chiral Platinum Complexes Bearing Azobenzene Moieties
Kohei Iwata, Shinichi Iba, Hiromitsu Sogawa, Fumio Sanda
- 3Pd024 Effect of amino-acid side chains on self-assembling behavior of chiral 1,3,5-tri(benzimidazolyl)benzenes
Takato Mizukoshi, Hiromitsu Sogawa, Fumio Sanda
- 3Pc025 Solid-State Excimer Emission Induced by Columnar Packing Structure of Nitrogen Ring-Containing Carboranes
Junki Ochi, Kazuo Tanaka
- 3Pd026 Gelation properties of two-component gelators based on tartaric acid
Amaki Nakamura, Atsumi Oriyama, Takuya Senda, Kazuhiro Yabuuchi
- 3Pc027 Study of multiple hydrogen bond mechanism of azacalixarene functionalized polyethyleneimine
Ryota Shibata, Tadashi Tsukamoto, Yoshiyuki Oishi, Yuji Shibasaki
- 3Pd028 Encapsulation of polycyclic aromatic hydrocarbons in the helical syndiotactic PMMA formed in toluene
Ituki Tousya, Tomohiro Ueno, Takehiro Kawauchi

B. POLYMER PHYSICS: STRUCTURE AND PROPERTIES

- 3Pc031 Preparation of Buckling Particles using Bifunctional Monomer with Different Reactivities
Anna Mizuno, Shinji Watanabe, Takeshi Namikoshi
- 3Pd032 Fabrication of nanosheets consisting of neodymium hydroxide and anionic surfactant
Takeru Asoda, Satoshi Watanabe, Akihiro Yamashita, Shintarou Ida, Masashi Kunitake
- 3Pc033 External Stimuli-Responsivity of Fluorescein Incorporated in Polysaccharide Composite Films
Konatsu Takagi, Takuya Sagawa, Mineo Hashizume
- 3Pd034 Selective separation and recovery of platinum group metals using polymeric micelles with triazole groups
Naoya Kaneko, Tatsuo Taniguchi, Takashi Karatsu, Ryuhei Motokawa, Tomoya Suzuki, Hirokazu Narita
- 3Pc035 Characteristics of holmium-coordinated diacetylene derivatives
Sojiro Isomura, Keiki Kishikawa, Michinari Kohri

- 3Pd036 Preparation and magnetic properties of holmium-containing molecular assemblies
Nao Komiyama, Keiki Kishikawa, Michinari Kohri
- 3Pc037 Fabrication of structural color material using polymer-grafted artificial melanin particles
Daiki Yoshioka, Keiki Kishikawa, Michinari Kohri
- 3Pd038 Fabrication of a crack-free structural color material by curing the assembled structure of artificial melanin particles
Mai Urase, Keiki Kishikawa, Michinari Kohri
- 3Pc039 Preparation of Crosslinked Thin Films by Azide-containing Polymer-grafted Silica Nanoparticles
Toya Suzuki, Motoyasu Kobayashi
- 3Pd040 Synthesis of crosslinked azobenzene polymer particles undergoing reversible deformation
Moeka Kimoto, Taichi Teranishi, Eiji Yukihiko, Eiji Ihara, Hiroaki Shimomoto, Tomomichi Itoh
- 3Pc041 Self-assembly of multiple-stimuli responsive copolymers consisted of polyoxazolines and PNIPAM
Hiroaki Shigemitsu, Wen-Li Wang, Ren-Hua Jin
- 3Pd042 Preparation and Characterization of Antifouling Coating by Vapor Deposition Polymerization
Ryo Tabata, Ryosuke Matsubara, Atsushi Kubono
- 3Pc043 Structure and Mechanical Properties of Polymer-based Composites Including Rotaxane and Nanocellulose
Ko HARADA, Takuto HAYASAKI, Atsuhiko FUJIMORI

C. FUNCTIONAL POLYMERS AND POLYMER FUNCTIONS

- 3Pd044 Evaluation of Surface Modified with Photodegradable Silane Coupling Agent Having POSS Site
Kohei Shigeta, Takuma Igari, Yuta Ono, Koki Kurita, Noriko Chikaraishi, Kazuo Yamaguchi
- 3Pc045 Electric field induced redox reaction of electrophoretic non-ionic deposition
Kota Oto, Akinori Takasu
- 3Pd046 Preparation of proton-conductive polymers of catalyst layers in polymer electric fuel cells
Makoto Kadoyashiki, Daisuke Aoki, Koji Arimitsu
- 3Pc047 Preparation of Porous Films using Polymers with Different Local Molecular Structure by breath-figure method
Toshiki Kurebayashi, Yumiko Naka, Takeo Sasaki, Khoa Le
- 3Pd048 Preparation of Crosslinked Honeycomb Films with Resistance to Organic Solvent
Masaki Kobayashi, Yumiko Naka, Takeo Sasaki, Khoa Le
- 3Pc049 Investigation of Conditions for Preparation of Hexagonal-Ordered Porous Films by Breath-Figure Method Using Star Polymers with Cyanobiphenyl Moieties
Hiroto Hara, Yumiko Naka, Takeo Sasaki, Khoa Le
- 3Pd050 Evaluation of the adhesive properties and hydrophilicity on PTFE modified with side-chain crystalline block copolymers
Shinsuke Asou, Sho Hirai, Shigeru Yao
- 3Pc051 A study of new microporous membrane using interface modifiers to make compatible PMP and UHMWPE for ultra-thin thickness
Kazuhiro Miyamoto, Isao Kuribayashi, Kazuishi Sato
- 3Pd052 Development of novel non-fullerene acceptors based on a naphthobisthiadiazole-containing ladder type π -framework for organic photovoltaics
Takumi Tanaka, Masahiko Saito, Yuki Sato, Hyung Do Kim, Hideo Ohkita, Itaru Osaka
- 3Pc053 Development of novel polymer acceptors based on naphthobisthiadiazole-containing ladder-type π -conjugated system for organic solar cells
Hibiki Naito, Takumi Tanaka, Masahiko Saito, Itaru Osaka
- 3Pd054 Charge-discharge behavior of Li air battery using Pt/Ir nanoparticles loaded on exfoliated acetylene black as cathode
Lihang Zhou, Badam Rajashekar, Noriyoshi Matsumi

- 3Pc055 Fast Charging Lithium-ion Batteries using Bio-based Polymer Derived Hard Carbon
Kottisa Sumala Patnaik,Badam Rajashekar,Tatsuo Kaneko,Noriyoshi Matsumi
- 3Pd056 Electronic structure control of IrO₂ by using conjugated polymer support and its effect on Oxygen Evolution Reaction catalysis
Yusaku Asai,Rajashekar Badam,Noriyoshi Matsumi
- 3Pc057 Development of polymer for coating of cathode active material in magnesium metal secondary battery
Kazumasa Masaki,Naomi Nishimura,Yoichi Tominaga
- 3Pd058 1,4-Butanediol Substituted Polymer and Its Reversible Hydrogenation
Kazuki Kobayashi,Yusuke Kaiwa,Kenichi Oyaizu

E. POLYMERS AND ENVIRONMENT

- 3Pc061 Preparation and properties of poly(ϵ -caprolactone)-grafted-agarose as a new biodegradable material
Mari Furukawa,Takao Aoyagi,Toru Hoshi
- 3Pd062 Secretory production and characterization of thiol-terminal oligomers
Ayata Nakagawa,Takahiro Asai,Tetsuo Sakurai,Takeharu Tsuge
- 3Pc063 Three-dimensionally oriented poly(L-lactic acid) films and their enzymatic hydrolysis
Ikumi Tsuzuki,Ryosuke Kusumi,Kayoko Kobayashi,Masahisa Wada
- 3Pd064 Development of poly(lactic acid) derivative with biodegradability in seawater by controlled introduction of easy degradable structure
Chigen Boku,Ryo Tanaka,Yuushou Nakayama,Takeshi Shiono,Norioki Kawasaki,Noriko Yamano,Atsuyoshi Nakayama
- 3Pc065 Exploration of poly(3-hydroxy-2-methylbutyrate)-degrading bacterium and enzyme
Sayaka Endo,Junichi Kamoi,Manami Hyakutake,Takeharu Tsuge
- 3Pd066 Development of biodegradable plastic using polypropylene
Ryoya Masaki,Kensuke Miyazaki,Takashi Yoshida
- 3Pc067 Structure-property relationships of poly(hydroxyvalerate) and poly(hydroxybutyrate) copolymers
Shunsuke Shimomura,Yota Watabe,Yuji Sasanuma
- 3Pd068 Hybridization of chemically modified cellulose and hydroxyapatite applicable to tough biomass materials
Kohei Okuda,Keishin Yoshimitsu,Ryosuke Shigemasa,Tadashi Mizutani
- 3Pc069 Synthesis and functionalization of bio-based superabsorbent polymers by environmentally friendly processes
Naoki Abe,Yoshiaki Shibano,Mari Miyata
- 3Pd070 Development and characterization of waste-derived polymer composites filled with organic-inorganic hybrid filler
Tessei Kawano,Yoshito Andou,Esra YEL
- 3Pc071 Degradation behavior of Nylon 6 fiber
YingJun AN,Tomoko KAJIWARA,Atsushi TAKAHARA
- 3Pd072 Studies on isomers of substituted cyanoguanidine and substituted amidinourea for metal recovery
Shoma Yamada,Satomi Tanaka
- 3Pc073 Relationship between Lung Damage Caused by Polyacrylic Acid and Molecular Properties
Ryohei Ono,Chinatu Nishida,Shota Fujii,Hiroto Izumi,Yasuo Morimoto,Kazuo Sakurai
- 3Pd074 Change in Fragmentation Behavior of Polyolefin Films after Exposure to Simulated Sunlight.
Tomoko Kajiwara,Yingjun An,Adchara Padermshoke,Yoshifumi Amamoto,Ken Kojio,Atsushi Takahara