

Room P

Poster Presentation Time

| Event Hall | | Booth No. | 001 | 002 | 003 | 004 | 005 | | 125 | 126 |
|------------|-------------|-----------|-----|-----|-----|-----|-----|-------|-----|-----|
| Day | Time | | | | | | | | | |
| May | 9:45- 9:55 | | | | | | | | | |
| | 9:55-10:15 | | | | | | | | | |
| 5 | 10:15-10:55 | a | | | | | | | | |
| | 10:55-11:35 | b | | | | | | | | |
| Wed. | 11:35-11:45 | | | | | | | | | |
| | 12:45-12:55 | | | | | | | | | |
| 6 | 12:55-13:15 | | | | | | | | | |
| | 13:15-13:55 | c | | | | | | | | |
| Thu. | 13:55-14:35 | d | | | | | | | | |
| | 14:35-14:45 | | | | | | | | | |
| 7 | 14:45-14:55 | | | | | | | | | |
| | 14:55-15:15 | | | | | | | | | |
| Fri. | 15:15-15:55 | e | | | | | | | | |
| | 15:55-16:35 | f | | | | | | | | |
| | 16:35-16:45 | | | | | | | | | |

Presentation Time

Mounting & Removing Time

Display Time

Wed. Jun 5

Presentation Time

<a = 10:15~10:55>

<b = 10:55~11:35>

A. POLYMER CHEMISTRY: SYNTHESIS AND REACTIONS

- 1Pa001 Synthesis and Solid-State Polymerization of Butadiyne Derivatives Directly Substituted by an Electron-Accepting Aromatic Group
Hiroki Nagata, Ryohei Yamakado, Shuji Okada
- 1Pb002 Precise synthesis of polylactic acid/polypropylene glycol block copolymer with acid-base catalyst
Kazuki Kamikumasu, Koichi Takada, Akinori Okada, Joji Kadota
- 1Pa003 Synthesis of hybrid compounds consisting of oligo(ethylene glycol) and peptides
Yuki Nakamura, Kousuke Tsuchiya, Takamasa Sakai
- 1Pb004 Synthesis and intramolecular ATRP behaviour of multivinyl polymers with various double bond distances.
Yoshinagi Otake, Kazuteru Kawanami, Moriya Kikuchi, Seigou Kawaguchi
- 1Pa005 Synthesis of Sequence-Controlled One-Handed Helical Ladder Polymers through Alkyne Benzannulation and Their Helical Structure Control
Kanta Wakabayashi, Tomoyuki Ikai, Kosuke Oki, Eiji Yashima
- 1Pb006 Synthesis of an Optically Active Polymer Bearing 1,2,3-Triazole Units in the Main Chain and Its Chirality Transfer to Small Molecules
Masayoshi Bando, Tamaki Nakano
- 1Pa007 Precise Sequence Control for Unique Solubility Characteristics: Cosolvency Phenomenon of Amphiphilic Alternating Copolymers
Kaito Nakamura, Shohei Ida, Daichi Ida, Akiyuki Ryoki, Takaya

Terashima, Shokyoku Kanaoka

- 1Pb008 Design and Microphase Separation of Random Copolymers Bearing Imidazolium Cation and Alkyl Groups
Keita Iuchi, Ryota Sujita, Makoto Ouchi, Takaya Terashima
- 1Pa009 Self-Assembly of Cationic Random Copolymers into Micelles in Water
Teruya Machino, Hiroyuki Kouno, Makoto Ouchi, Takaya Terashima
- 1Pb010 Synthesis and self-assembly of pendant amino acid-TPE hybrid homopolymers and amphiphilic copolymers
Ayano Kimura, Keisuke Tsujimura, Kanako Yamamoto, Ryo Kudo, Hideharu Mori
- 1Pa011 Precise synthesis and thermoresponsive behavior of vinyl ether copolymers containing ionic liquid moiety
Nene Maruyama, Sadahito Aoshima, Arihiro Kanazawa
- 1Pb012 A precursor route to 2,6-poly(anthraquinone)
Misaki Morishita, Ruka Watanabe, Sayaka Kaino, Nanaka Shiroshita, Atsushi Kimoto
- 1Pa013 Synthesis of rigid nconjugated polymers with near-infrared absorption properties using a novel C=C bond formation reaction
Ren Gotou, Rikarudo Minematsu, Keiya Masumura, Atsushi Kimoto
- 1Pb014 Synthesis and shape memory properties of photocrosslinkable necklace polymers
Mahiro Kimura, Satoshi Watanabe, Masashi Kunitake
- 1Pa015 Preparation of organic-inorganic hybrid materials with cysteine side chains and evaluation of its nanostructure
Shunsuke Morii, Yoshinobu Nakamura, Shuuji Fujii, tomoyasu Hirai
- 1Pb016 Synthesis of polymethylenes containing POSS units in the side chains with high density
Yu Tomioka, Hiroaki Imoto, Kensuke Naka
- 1Pa017 Synthesis of cage silsesquioxane copolymers with isobutyl and phenyl groups and their properties
Cashew Nagashima, Yu Tomioka, Ryota Tanaka, Hiroaki Imoto, Kensuke Naka
- 1Pb018 Synthesis and characterization of PS-PDMS-PS block polymers by ATRP
Katsuya Higo, Satoshi Watanabe, Masashi Kunitake
- 1Pa019 Recycling properties of PDMS network polymers using dimerization of anthracene moieties
Harutake Hayashi, Satoshi Watanabe, Masashi Kunitake

B. POLYMER PHYSICS: STRUCTURE AND PROPERTIES

- 1Pa021 Structural Changes of a Helical Polysaccharide Xanthan Induced by Microorganisms
Yuino Takahashi, Kosuke Kuno, Masaki Shintani, Yasuhiro Matsuda
- 1Pb022 Solution behavior of ethyl-cellulose in relation to rheology behavior of inorganic fine particles dispersion
Kenji Fukuda, Moriya Kikuchi, Seigou Kawaguchi
- 1Pa023 Phase behavior of aqueous solution of poly(N-vinylpyrrolidone-co-acrylic acid)
Miyu Sato, Isamu Akiba
- 1Pb024 Small-angle X-ray scattering analyses of micelles of polyglycerol mono fatty acid esters fractionated by flow field fractionation
Nanako Shimada, Hikaru Nonobe, Ryo Yamashita, Kenzi Murashima, Isamu Akiba
- 1Pa025 Analysis of the temperature-responsiveness and conformation for polymers with long side chains by dynamic / static light scatterings
Sakyo Hiraizumi, Takuma Kureha
- 1Pb026 Dynamic light scattering measurements for aqueous solutions of poly(*N,N*-

diethylacrylamide)
Yuka Sugio,Daichi Ida

- 1Pa027 Emergence of Quasi-Two-Dimensional Convection and Reposition of Polymer Particles in Meniscus Splitting
Leijie WU, Kosuke OKEYOSHI
- 1Pb028 Reentrant dissolution behavior of polycation-poly(ethylene glycol) block copolymers in LiOTf aqueous solution
Hironori Ishihara, Kazusa Takesue, Yusuke Sanada, Keisuke Watanabe, Yukiteru Katsumoto
- 1Pa029 Effects of Coexistence of Monovalent Cation on the Reentrant Condensation of Bovine Serum Albumin
Yusuke Sanada, Ryutaro Inoue, Takafumi Ise, Keisuke Watanabe, Yukiteru Katsumoto
- 1Pb030 Validation of the Flory-Huggins theory incorporating molecular weight distribution through the phase diagram obtained by melt mixing.
Seichiro Yagi, Jun Endo, Akihiro Oohara, Hiroya Kodama
- 1Pa031 Study on Physical Properties of Polyisopropylacrylamide Single Chain Using Nanofishing Method
Haruka Mori, Shunichi Nomura, Xiaobin Liang, Ken Nakajima
- 1Pb032 Temperature dependence of interactions between water and a hydrophobic polymer
Hikaru Higuchi, Tomoko Ikeda-Fukazawa
- 1Pa033 Molecular mechanism of nonlinear rheological properties using transient networks with well-controlled network structures
Yuta Yamamoto, Koshiro Nakamura, Ren Sato, Mitsuru Naito, Kanjiro Miyata, Chung Ung-il, Takuya Katashima
- 1Pb034 Effects of the type of dynamic bond between polymer chains on viscoelastic properties
Kazuma Kawasaki, Shintaro Nakagawa, Naoko Yoshie

C. FUNCTIONAL POLYMERS AND POLYMER FUNCTIONS

- 1Pb036 Analysis of Surface Topographies on Liquid-Crystalline Polymer Films Fabricated by Patterned Cationic Photopolymerization
Yasuto Sasaki, Sayuri Hashimoto, Miho Aizawa, Kyohei Hisano, Shoichi Kubo, Atsushi Shishido
- 1Pa037 Molecular Orientation and Thermal Diffusivity on Side-Chain Smectic Liquid Crystalline Polymers in Thin-Films
Kanna KOBAYASHI, Yuya ISHIZAKI, Takahiro SEKI, Shusaku NAGANO
- 1Pb038 Core-Shell Type Liquid Crystal Polymer Particles Containing Inorganic Core
Kei Nomura, Tomoki Shigeyama, Kohsuke Matsumoto, Osamu Tsutsumi
- 1Pa039 Effects of Molecular Weights and Main Chain Structures on Photo Phase Transition in a Binary Blend of Liquid Crystalline Polymers
Yuno Yokota, Takumi Kokubo, Yuya Ishizaki, Mitsuo Hara, Takahiro Seki, Shusaku Nagano
- 1Pb040 Synthesis of Liquid Crystalline Supramolecular Block Copolymers Containing Pyridine and Azobenzene Side Chains and Analysis of Thin Film Structures
Yuki Machida, Yuya Ishizaki, Shusaku Nagano
- 1Pa041 Relationship between Phase Transition and Target Molecule Adsorption Behavior of Ligand-containing Liquid Crystalline Polymer Thin Films
Kentarou Mishima, Akifumi Kawamura, Takashi Miyata
- 1Pb042 Self-assembly of linear polysiloxanes with varying degrees of methyl groups substitution ionic functional groups
Fuya Matsunami, Yukikazu Takeoka, Mitsuo Hara

- 1Pa043 Preparation of Amphiphilic Polysiloxane Alternative Multiblock Copolymers
Yuki Irie, Naoki Yoshida, Tomoki Sato, Huie Zhu, Masaya Mitsuishi
- 1Pb044 Development of CO₂-hardening and thermoplastic polydimethylsiloxane-based graft copolymers
Kaito Sekido, Kei Hasimoto, Syoiti Kutsumizu, Yohei Miwa
- 1Pa045 Gas Responsive Polymers Hardened with the Aid of CO₂ Gas
Kazuma Okada, Hayato Nakamura, Katsuhiro Yamamoto, Kei Hashimoto, Shoichi Kutsumizu, Yohei Miwa
- 1Pb046 Elastomers that switch their adhesion with CO₂ gas
shoei shimozaki, shoichi kutsumizu, kei hashimoto, yohei miwa
- 1Pa047 Structural color elastomer based on two different mechanisms
Cong Yue, Jialei He, Mitsuo Hara, Yukikazu Takeoka
- 1Pb048 Higher-order structural analysis of transparent and flexible high thermal conductive liquid crystalline elastomer sheet
Yoshitaka Takezawa, Naoki Furukawa, Senguttuvan Nachimuthu, Risheng Zhou, Amir Torbati
- 1Pa049 Intelligent Soft Actuators with Sensor Function
Shuki Toyoshima, Hidenori Okuzaki
- 1Pb050 Interface control of filler composite elastomer and establishment of physical properties control methods
Moe Sakamoto, Mitsuo Hara, Xiaobin Liang, Ken Nakajima, Yukikazu Takeoka
- 1Pa051 Preparation of an ionically-functionalized thermoplastic elastomer with high strength and weather resistance
Takato Kajita, Mako Ota, Atsushi Noro
- 1Pb052 Mechanical properties of poly(2-methoxyethyl acrylate)-SiO₂ elastomer exhibiting J-shaped stress-strain curve
Karin Ito, Yukikazu Takeoka, Moe Sakamoto, Mitsuo Hara, Kenji Urayame
- 1Pa053 Strain Sensing Using Chiral Nematic Liquid Crystal Elastomer Films
Ryota Morimoto, Maki Ogata, Kohsuke Matsumoto, Osamu Tsutsumi
- 1Pb054 Preparation of Shape-Memory Films Using Functionalised Polyesters
Takumi Yoshida, Totu Hoshi, Takao Aoyagi
- 1Pa055 Grafting Polymerization of N-Vinylamide onto Deproteinized Natural Rubber Latex
Sakiko Yashiro, Hiroaki Yoshida, Hiroharu Ajiro
- 1Pb056 Clarification of structure-property relationships of elastomers by introduction of controlled heterogeneities
Renan Sasaki, Shintaro Nakagawa, Naoko Yoshie
- 1Pa057 Geometric Pneumatic Deformation of Ring-shaped Auxetic Structures for Next-generation Wheel Design
Kazuma Morikawa, Kaisei Kamiya, Hiroshi Endo
- 1Pb058 Locomotion Performance of Cylinder Structure Composed of Parallel-typed Bellows
Tomoya Yamashita, Yuya Sumi, Hiroshi Endo
- 1Pa059 Fabrication of Soft Gripper Composed of Rectangular-typed Multiple Arm and 2D-Kirigami Sheet
Shuntaro Kondo, Takato Yokoo, Yuki Honda, Shinto Ogawa, Hiroshi Endo
- 1Pb060 Development of a Novel Hook-and-Loop Fastener Mimicking the Protrusion Structure of Hagfish Eggs
Takumi Nakayama, Jin Gong
- 1Pa061 Investigation of the effect of composites of rigid structures and flexible materials on sensing properties
Yoshimune Tayama, Jun Ogawa, Hidemitsu Furukawa, Yousuke Watanaba, Nahin Islam Shiblee MD

E. POLYMERS AND ENVIRONMENT

- 1Pa063 Development of Lignosulfonate-based Gel Electrolytes for Lithium Ion Battery
Ikuto Tanouchi,Shiori Suzuki,Kengo Shigetomi,Yasumitsu Uraki
- 1Pb064 Improvement of Marine Biodegradability of PCL by Adding Jellyfish Powder
Koh Yoshida,Toshiya Yamasaki,Jin Gong,Hiroshi Ito
- 1Pa065 Swelling Behavior and Oxygen Permeability of Cellulose Nanofiber Films
Affected by Water
Akari Okugawa,Chihiro Yamane,Yoshiaki Yuguchi
- 1Pb066 Fabrication of environmentally friendly fishing-nets by combining polymeric
hydrogels and marine terpenes
Daiki Osada,Kazumi Nimura,Iori Oshima,Takashi Kamada,Yohei Kotsuchibashi
- 1Pa067 Development of low dielectric thermosetting biomass plastics derived from α -
1,3-glucan with unsaturated groups
Yuya Fukata,Satoshi Kimura,Tadahisa Iwata
- 1Pb068 Functionalization of Biodegradable Polylactone (III) -Introduction of Carboxy
Group Using Halogen as Reaction Scaffold-
Rena Yoshida,Masahiro Fujita,Yuko Takeoka,Masahiro Rikukawa
- 1Pa069 Biodegradation of photo-switching biodegradable polymer in marine field
Akihiko Masui,Yuzuko Toyoshima,Satoshi Ikawa,Hideo Okamura,Atsuyoshi
Nakayama
- 1Pb070 Development of high heat resistance and high thermal conductive insulating
materials using biomass epoxy resin
Yu Matsuo,Kenji Mimura
- 1Pa071 Epoxidation and properties of unsaturated side group mcl-poly(3-
hydroxyalkanoate) with biosynthesized from *P. putida*
Tomoki Kawamoto,Takahiko Nakaoki
- 1Pb072 Molecular weight for each block of P3HA block copolymers biosynthesized with
nonanoic and decanoic acids as carbon sources depending on incubation time.
Tenma Nishimura,Takahiko Nakaoki
- 1Pa073 Molecular Weight Change of Each Block for P3HB-b-P3HBV depending on the
Cultivation Time by *R.eutropha*.
Ren Yashita,Takahiko Nakaoki
- 1Pb074 Accumulation of metal ions by water-soluble soy protein
Maika Ujihara,Masanori Yamada
- 1Pa075 Effect of CNF on regenerated cellulose film
Takeru Tanaka,Ruozhu Wang,Yoshito Ando
- 1Pb076 Synthesis of N-methylol polyamide 4 and their properties and biodegradability
Norioki Kawasaki,Shodai Hino,Naoko Yamano,Atsuyoshi Nakayama
- 1Pa077 Self-Healing Materials from Cellulose Derivatives with Phosphate Ester Moieties
Minori Kadota,Kazuma Matsumoto,Naoto Iwata,Seiichi Furumi
- 1Pb078 Structural Modification and Control of the Thermal Properties of Silk Fibroin by
Acylation Reaction
Momoka Kuwabara,Shota Akioka,Yasumoto Nakazawa
- 1Pa079 Foam material fabrication of natural and synthetic polymers
Taiyo Nagai,Olaf Karthaus
- 1Pb080 Evaluation of chitosan decomposed by molds
Akihiro Mizuyama,Olaf Karthaus
- 1Pa081 Preparation of epoxy cured resin using phenolated lignin from spent coffee
grounds.
Souhei Kawaue,Toshiyuki Oyama
- 1Pb082 Synthesis of Acid Degradable Polyrotaxane Materials Using Stoppers with tert-

Butoxycarbonyl Groups

Ryo YAMAMOTO,Kenjiro ONIMURA,Kazuhiro YAMABUKI

- 1Pa083 Recovery of lignin from used tea leaves and its utilization as a curing agent for epoxy resin
Masayoshi Hirano,Toshiyuki Oyama
- 1Pb084 Luminescence and photo physical properties of various lignin derivatives
Erika Yuzawa,Kohei Iritani,Ayumi Kobayashi,Thi Thi Nge,Tatsuhiko Yamada,Takashi Yamashita
- 1Pa085 Synthesis and Properties of Biobased Polyesters Using Condensed Ring Compounds Derived from Cinnamic Acids
Takumi Noda,Yasuhiro Kohsaka
- 1Pb086 Fabrication of Epoxy Resins Using Green Alga as Curing Agent and Control of Mechanical Property Depending on Curing Conditions
Shunta Aruga,Kohei Iritani,Ayumi Kobayashi,Takashi Yamas
- 1Pa087 Evaluation of physical properties of Polylactic acid/Polybutylene succinate/acetoacetyl-modified starch blend with the addition of diamine compatibilizer
Yuta Okuda,Kazuki Shibasaki,Yu-I Hsu,Hiroshi Uyama
- 1Pb088 Synthesis of degradable cross-linker containing hydrazide moiety and application to cross-linked polymers
Sekiguchi Satsuki,Kousuke Tsuchiya,Takamasa Sakai
- 1Pa089 Sulfation of alkali treated cellulose pulps and their properties
Sakura Morimitsu,Ayato Nishimura
- 1Pb090 Polyphosphoric acid-mediated depolymerization of nylon 6 under mild conditions
Naoto Aoyagi,Yuka Matsumoto,Teruo Kamura
- 1Pa091 Chemical recycling of polycarbonate to provide monomer and fertilizer
Daisuke Aoki,Karin Emi,Kazuaki Rikiyama,Tatsuo Taniguchi
- 1Pb092 Time course analysis of material properties of waste bottle caps
Masahiro Furutani,Makito Kitahama,Tomoya Kataoka
- 1Pa093 Effect of Adding Lubricants Derived from Natural Products to Polymer Composites Using Bamboo Powder
Chen Zhuang,Jindi Wu,Yoshito Ando
- 1Pb094 Analysis of cello-oligosaccharide production via phosphoric acid-catalyzed hydrolysis of cellulose
Kosuke Yokota,Yuuki Hata,Takeshi Serizawa
- 1Pa095 Evaluation of marine biodegradability of plastics in laboratory conditions and actual marine environments (1)
Hironori Taguchi,Nao Osaka,Hirofumi Hinata,Hidetaka Takeoka,Keiji Tanaka,Takako Kikuchi
- 1Pb096 Evaluation of marine biodegradability of plastics in laboratory conditions and actual marine environments (2)
Nao Osaka,Hironori Taguchi,Hirofumi Hinata,Hidetaka Takeoka,Keiji Tanaka,Takako Kikuchi
- 1Pa097 Dissolution properties of phosphorylated ethylene-vinyl alcohol copolymers
Takumi Okihara,Muneharu Kurosaki,Yukihiro Kishimoto
- 1Pb098 Research on microplastics produced by detached barnacles attached to marine debris
Shota Asano,Ryo Saito,Yasuyuki Nogata,Yuji Hirai
- 1Pa099 Machine-learning prediction of plastic compound performance using open data
Hiroyuki Suzuki,Shunsuke Mori,Junichi Sayama,Sayaka Tanimoto
- 1Pb100 Decomposition of poly(vinyl alcohol)-based films and generation of the nanoplastics due to the oxidizing environment

Presentation Time

<c = 13:15~13:55>

<d = 13:55~14:35>

A. POLYMER CHEMISTRY: SYNTHESIS AND REACTIONS

- 1Pc001 Synthesis of soluble-benzoxazine copolymers from several aminophenols and properties of their thermosets.
Kazunari Kuroda, Takehiro Kawauchi
- 1Pd002 Synthesis of high-molecular-weight benzoxazines having alicyclic structures in the main chain and the properties of their thermosetting resins
Noe Tokugawa, Takehiro Kawauchi
- 1Pc003 Synthesis of Ultrahigh-refractive-index Poly(dibenzothiophenylene sulfide) and Their Improved Transparency by Adjusting Sulfur Content
Zexin An, Seigo Watanabe, Kenichi Oyaizu
- 1Pd004 Catalyst-free PEGylation exploiting nitrile N-oxide reagents
Sota Nozawa, Soma Ooba, Noriyuki Nakajima, Masahiro Hamada, Yasuhio Koyama
- 1Pc005 Synthesis of composite materials using polyoxometalates and imidazolium salts based on polysiloxane
Taishi Yoshida, Yoshiki Oda, Takeru Ito, Tsukasa Ichikawa, Nobukatsu Nemoto
- 1Pd006 Evaluation of amphiphilic polysilane modified with styrene sulfonic acid
Riku Nagata, Daisuke Aoki, Koji Arimitsu
- 1Pc007 Preparation of regenerated biopolymer gels for medical materials.
Ryoga ARIJI, Tetsu MITSUMATA, Norio TSUBOKAWA, Takeshi YAMAUCHI
- 1Pd008 Creation of single chain nanoparticles based on controlled intermolecular repulsion between bottlebrush polymers
Xiangyuan Guo, Shintaro Nakagawa, Naoko Yoshie
- 1Pc009 Study on synthesis of water-soluble polymers using vinylene carbonate
Ryota Nishi, Hiroto Kudo
- 1Pd010 Site-specific sidechain conversion of acrylic polymers
Honoka Moriguchi, Yusuke Saito, Shota Iseri, Sotaro Tsuji, Yukiko Nagai, Toshikazu Ono, Hisashi Shimakoshi, Yu Hoshino
- 1Pc011 Structural diversification of precision oligomers by post-polymerization modification with oligomers bearing activated ester
Sotaro Tsuji, Yukiko Nagai, Toshikazu Ono, Hisashi Shimakoshi, Yu Hoshino
- 1Pd012 Acrylic polymers with degradable backbone via transesterification between pendant groups and main chain
Koki Naganuma, Yasuhiro Kohsaka
- 1Pc013 Vitrimer-like network polymer containing methyl methacrylate as the main component featured by high-speed bond exchange through conjugate substitution reaction
Miu Mizuma, Natsumi Nishiie, Mikihiro Hayashi, Yasuhiro Kohsaka
- 1Pd014 Development and Evaluation of Epoxy Adhesives with Dynamic Bis(hindered amino)disulfide Linkages
Fuga Sawakawa, Akira Takahashi, Hideyuki Otsuka
- 1Pc015 Synthesis of semiconducting block copolymers toward self-healing materials
Riku Murakami, Tomoya Higashihara
- 1Pd016 Study and applications of acid-catalyzed depolymerization of polyphenylene oxide
Tsuyoshi Takano, Ryoyu Hifumi, Ikuyoshi Tomita
- 1Pc017 Oxidative degradation of polyethylene glycol inside MOF nanochannels

Yu Hin Leung,Yuki Kametani,Nobuhiko Hosono,Takashi Uemura

- 1Pd018 Chemical degradation of perfluorosulfonic acid ionomer under ionizing radiation and ultrasonification
Makoto Yamaguchi,Natsuki Fukuta,Kiyoshi Inokuma,Seiichi Kuroda

B. POLYMER PHYSICS: STRUCTURE AND PROPERTIES

- 1Pd020 Self-Assembly of P3HT on Graphite: Epitaxy Mechanism and Influence of Regioregularity
Daisuke Takajo,Koichi Sudoh
- 1Pc021 Visualization of polymer scratch damage mechanism using mechanochromic properties
Yuki Hayafuji,Khawdas Wichean,Takumi Yamamoto,Hideyuki Otsuka,Hiroshi Ito
- 1Pd022 Direct Observation of Polymer Adsorption into MOF Nanopores by AFM
Yusuke Katsutani,Nobuhiko Hosono,Takashi Uemura
- 1Pc023 Effect of Surface Chemistry of Inorganic Materials on Structures and Fracture Behaviours of Epoxy Resin near Adhesive Interfaces
Tomohiro Miyata,Yohei Sato,Yoshiaki Kawagoe,Keiichi Shirasu,Hsiao-Fang Wang,Akemi Kumagai,Sora Kinoshita,Masashi Mizukami,Kaname Yoshida,Hsin-Hui Huang,Tomonaga Okabe,Katsumi Hagita,Teruyasu Mizoguchi,Hiroshi Jinnai
- 1Pd024 Effect of Ligand Structure on Solid Lubrication Properties of Silver Thiolate Complexes
Ren Muramatsu,Hiroshi Eguchi,Kenji Nagata
- 1Pc025 Properties of Modified Surface-layers of Flexible Polymer Substrates and Their Effect on the Adhesion of Electrolessly Deposited Metal Films
Toshiyuki Tamai,Mitsuru Watanabe,Yasuyuki Kobayashi,Jyunpei Kobata,Rie Kakehashi,Seiji Watase,Saya Tabuchi,Araki Masuyama,Yoshio Nakahara,Setsuko Yajima
- 1Pd026 Study on the mechanism of the adhesive strength at epoxy-silicon interfaces
Keiichi Shirasu,Sora Kinoshita,Tomohiro Miyata,Hiroshi Jinnai
- 1Pc027 Fabrication of Lubricating Coating Films Hybridized by 2D MOFs and PMMA
Sara Kato,Hiroshi Eguchi,Kenji Nagata
- 1Pd028 Surface Morphology of Interfacial Adsorbed Layer Formed from Polystyrene-b-Poly(methyl methacrylate) Copolymer
Shunei Ichimura,Yoshihisa Fujii,Naoya Torikai
- 1Pc029 Nanoscratch behavior of ultrahigh-molecular-weight polyethylene films under heating using scanning probe microscope
Narumi Hasegawa,Mina Takakusagi,Ayaka Takazawa,Masaki Kakiage,Takeshi Yamanobe,Hiroki Uehara
- 1Pd030 Water Structure on Hydrophilic Surface Examined by ATR-near/mid-Infrared Spectroscopy
Yuri Kishimoto,Shigehiro Kagaya,Makoto Gemmei-ide
- 1Pc031 Preparation of thin films with patterned cracks using polyethyleneimine-based diblock copolymers.
Yuya Saza,Ren-Hua Jin
- 1Pd032 Interfacial Structure of a Polystyrene Thin Film with an Adsorbed Layer Formed by a Random Copolymer with the Different Composition
Akane Taniguchi,Yoshihisa Fujii,Naoya Torikai
- 1Pc033 Local Conformation of Poly(methyl methacrylate) at Interfaces of Silica Nanoparticles in Polymer Composites
Keito Fujita,Tatsuki Abe,Keiji Tanaka
- 1Pd034 Evaluation of Viscoelasticity of Siloxane Nanofilms Using AFM

Aoi Ikeda, Masahiko Kawata, Akihiro Yamashita, Satoshi Watanabe, Masashi Kunitake

1Pc035 Stability and interfacial structure of a polystyrene thin film on the adsorbed homologue polymer layer by solvent annealing
Ryou Tsurui, Yoshihisa Fujii, Naoya Torikai

1Pd036 Gas permeability of polydimethylsiloxane films and their intermolecular interaction analysis
Chuya Sato, Aya Fujimoto, Kakeru Obayashi, Ken Kojio

C. FUNCTIONAL POLYMERS AND POLYMER FUNCTIONS

1Pd038 Investigation for improving the shrinkage rate of temperature-responsive gel with homogeneous network structure
Kai Kawabata, Yuka Hasegawa, Mitsuo Hara, Yukikazu Takeoka

1Pc039 Synthesis of gels using the click reaction consisting of tetra branched star-shaped poly(2-methoxyethyl acrylate)
Nanaho Ozawa, Kazuhiro Takeoka, Yuka Hasegawa, Mitsuo Hara

1Pd040 Development of Two-Component Gelators Based on Monourea Pyridine Derivatives
Mao Morisaki, Kazuhiro Yabuuchi

1Pc041 Degradation Analysis from Image Data for Enhancing Durability of Electrochromic Display Devices
Shifa Sarkar, Masayoshi Higuchi

1Pd042 Fabrication of gas responsive hydrogels for controlled adsorption and desorption of nucleic acid
Ryo Chiba, Natsumi Yamamoto, Jun Isobe, Chizuko Ishihara, Shusaku Mandai, Yohei Kotsuchibashi

1Pc043 Simultaneous synthesis of poly(N-isopropylacrylamide)/polyethylene glycol IPN gels with amino group
Takumi WATANABE, Marin HOSHINO, Kiyoka SAKURAI, Shigeki HABAUE

1Pd044 Synthesis of hollow glass bead-immobilized poly(N-isopropylacrylamide)/polyethylene glycol IPN gels
Ryota MORI, Takumi WATANABE, Kazune KUME, Shigeki HABAUE

1Pc045 Two-component gelators based on aliphatic amines with ester groups and tartaric acid
Karin Suzuki, Takuya Senda, Kazuhiro Yabuuchi

1Pd046 Effect of Beads on Mechanical Properties of P(DMAA-co-EA) Gel Nonwoven Fabrics
Taisuke Nigou, Gong Jin

1Pc047 Controlled cleavable chemistry based on boronic acid-containing protection groups and its application to dynamically cross-linked hydrogel
Keiichiro Yaginuma, Kevin Barthelmes, Takuya Katashima, Akira Matsumoto

1Pd048 Development of a Polymer Gel with High Adhesion to Polytetrafluoroethylene
Toshiya Yamasaki, Jin Gong

1Pc049 Development and structural control of an anisotropic hydrogel based on the design of the gel-gel interface
Tomohiro Takahashi, Koki Sano

1Pd050 Hybridization of different types of gels by designing the gel-gel interface
Naoya Karasawa, Koki Sano

1Pc051 Hydration-driven Enhanced Burst Strength of a Shrinkable Tissue Adhesive
Hiyori Komatsu, Ito Shima, Debabrata Palai, Akihiro Nishiguchi, Tetsushi Taguchi

1Pd052 Mechanical properties of poly(ionic liquid)-type ion gels prepared by vacuum polymerization
Mai Kamiyama, Yuji Kamiyama, Ryota Tamate, Takeshi Ueki

- 1Pc053 Simultaneous synthesis of poly(N-isopropylacrylamide)/polyethylene glycol IPN gels with various disilylated crosslinking agents
Hikaru Katou, Shigeki HABAUE
- 1Pd054 Simultaneous synthesis of ternary IPN gels containing linear water-soluble polymers
Teruyoshi FURUHASHI, Chima HASEGAWA, Shigeki HABAUE
- 1Pc055 Fabrication and characterization of hydrogels containing ureido groups that exhibit UCST-type behavior in physiological environments
Taro Mitani, Yuki Akagi
- 1Pd056 Design of Temperature-Responsive Gel Particles with Controllable Molecular Binding Ability by Conformational Change
Yuto Fujii, Akifumi Kawamura, Takashi Miyata
- 1Pc057 Influence of Monomer Composition on the Self-healing Characteristics of Polymer Gels
Koichiro Momma, Masaki Watanabe, Jun Morita, Satoshi Aoki, Jin Gong
- 1Pd058 Application of Machine Learning for Controlling the Thermo-Responsive Color Change Properties of Layered Polydiacetylene
Risako Shibata, Hiroaki Imai, Yasuhiko Igarashi, Yuya Oaki
- 1Pc059 Reversible structural control of cross-linked polymer gels using dimerization reaction
Fu Fujimura, Tetsuya Miura, Kazuhiro Yabuuchi
- 1Pd060 Preparation of highly stretchable Organogels Using Low Hydrophobic and Amphiphilic Monomers
Hiroaki Yoshida, Kokoro Chida, Hiroharu Ajiro
- 1Pc061 Photo-reversible gelation of block copolymers in non-cytotoxic ionic liquids
Aya Saruwatari, Yuji Kamiyama, Jun Nakanishi, Takeshi Ueki
- 1Pd062 Development of azobenzene-containing N-isopropylmethacrylamide hydrogels exhibiting photo-induced volume phase transition and their application to cell scaffold materials
Tsubasa Naka, Masao Kamimura, Takeshi Ueki, Jun Nakanishi
- 1Pc063 Molecular weight dependence on the mechanical properties of ion gels having microphase-separated structures
masamune tatsuiwa, kei hashimoto, yohei miwa, shoichi kutsumizu
- 1Pd064 Application of time-dependent cleavage reaction to sustained-release microneedle technology
Daichi Yamawaki, Keiichiro Yaginuma, Kevin Barthelmes, Takao Aoyagi, Toru Hoshi, Akira Matsumoto
- 1Pc065 Preparation of molecular nets (MNs) with controlled mesh sizes and MN-gels using the MNs
Akari Teramoto, Daigo Taniguchi, Yuto Nakazawa, Kenichiro Mizuguchi, Nobuo Murase, Yuichi Ohya
- 1Pd066 Liquid crystal behavior of non-liquid crystal dye incorporated into gel
Soma Kishi, Van Khoa Le, Yumiko Naka, Takeo Sasaki
- 1Pd068 Synthesis of semiconducting polymers with bending structures suited for stretchable organic thin-film transistors
Taichi Takahashi, Tomoya Higashihara
- 1Pc069 Synthesis of donor-acceptor conjugated polymers using biphenyl as an acceptor and their application to black color EC devices
Rika Adachi, Atsushi Aoki
- 1Pd070 Fabrication and characterization of conductive nylon fibers for wearable electronics
Takumi Warashina, Tetsu Mitumata, Norio Tubokawa, Takeshi Yamauti, Hirokazu Yano, Haruka Aoki
- 1Pc071 Fabrication and Performance Evaluation of Room Temperature Responsive

Hydrogen Sensor Using Platinum-supported Carbon
Kouki Kaneko, Tetsu Mitumata, Norio Tsubokawa, Takeshi Yamauchi, Hirokazu Yano, Haruka Aoki

- 1Pd072 Hybrid Semiconducting Layer Based on Single-Walled Carbon Nanotubes Sorted by Polyfluorene-Based Block Copolymers for Thin-Film Transistor Application
Mei-Nung Chen, Mayoh Ashiya, Rin Iwasaki, Haoyu Zhao, Wei-Hung Chiang, Xiaodan Gu, Takuya Isono, Toshifumi Satoh, Yu-Cheng Chiu
- 1Pc073 Thermally Driven Electrolytic Hydrogen Production by Volume Phase Transition of Hydrogel Nanoparticles
Yuki Namba, Aya Sato, Hisashi Shimakoshi, Yu Hoshino
- 1Pd074 Attempt of Synthesis of Semiconducting Block Copolymers Focusing on Their Sequence and Branched Structures
Hideya Watanabe, Tomoya Higashihara
- 1Pc075 Synthesis and Carrier Transport Properties of Bu-PEDOT:PSS
Kosei Sakurai, Yuxin Jing, Yoshiki Kawai, Kei Hamada, Kenji Machida, Hidenori Okuzaki
- 1Pd076 Dielectric Property Analysis of Polyimide by Molecular Dynamics Simulation
Ryohei Hosoya, Hidemine Furuya, Teruaki Hayakawa, Kan Hatakeyama, Hayato Maeda, Yucheng Liang, Junko Morikawa, Yoshihiro Hayashi, Ryo Yoshida
- 1Pc077 MOF Assemblies on PEDOT:PSS Films through Layer-by-Layer Technique
Sonosuke Watanabe, Shunsuke Yamamoto, Masaya Mitsuishi
- 1Pd078 Preparation of low dielectric materials obtained from bismaleimide derivatives and cyclic siloxane compounds
Shusei Sato, Nana Mizoi, Tsukasa Ichikawa, Nobukatsu Nemoto, Yuki Hakamata, Shoji Fukuyama, Kazuto Umezu
- 1Pc079 OECT Preparation of PEDOT:PSS Blend Films with Temperature-Responsive Copolymers
Kotaro NARA, Shunsuke YAMAMOTO, Masaya MITSUIISHI
- 1Pd080 Preparation and conductivity of ionic liquid-doped rigid polymer network film for application to polymer electrolyte fuel cells
Ryohei Nishioka, Tetsuya Uchida
- 1Pc081 Origin of Different Electrical Conductivities in PEDOT:PSS
Yuxin Jing, Yusuke Fukasawa, Hidenori Okuzaki
- 1Pd082 Thermoelectric properties of n-type polymeric material blended with poly(vinyl alcohol)
Yusuke Nakabayashi, Takeshi Shimomura
- 1Pc083 Thermoelectric properties of multilayer structure of PEDOT:PSS and perovskite
Akito Yoneda, Takeshi Shimomura

D. BIOPOLYMERS AND BIORELATED POLYMERS

- 1Pd086 Detection of human blood-derived miRNA by functional nucleic acids activated by cationic copolymer
Kenta Fujii, Minako Saito, Naohiko Shimada, Atushi Maruyama, Kotaro Wakamatu
- 1Pc087 SNA involving pyrenylvinyl guanine and analysis of photo-reactivity
Ayaka Ikeda, Fuminori Sato, Keiji Murayama, Hiroyuki Asanuma
- 1Pd088 Analysis of nucleic acid drug delivery to the cytosol using split luciferase method.
Toshihiko Sakurai, Narumi Kobayashi
- 1Pc089 Molecular Dynamics Simulation of Damaged DNA Composed of Apurinic/Apyrimidinic Sites
Susumu Fujiwara, Kazushi Terakawa, Tomoko Mizuguchi, Hiroaki Nakamura, Yoshiteru Yonetani, Ken Akamatu, Naoya Shikazono

- 1Pd090 Modification of antibacterial copolymers into the surface of PVA-based microfibers via thermal cross-linking and their antibacterial properties
Shunsuke Saito, Akihiro Saito, Masato Mutsuga, Aika Yamawaki-Ogata, Yuji Narita, Yohei Kotsuchibashi
- 1Pc091 Fabrication of Superabsorbent Nanofibers for Application in the Treatment of Chronic Kidney Disease by Centrifugal Spinning
Makoto Sasaki, Yang I-Hsuan, Mitsuhiro Ebara
- 1Pd092 Durability evaluation of retinal prosthesis using photoelectric dyes with various anions coupled to polyethylene films
Kohei Oka, Mayu Mitui, Tetsuya Uchida
- 1Pc093 Synthesis of Photoreactive Polymers and Selective Surface Modification in the Presence of Biomolecules
Junta Kobayashi, Yuta Yoshizaki, Tomohiro Konno
- 1Pd094 Inhibition of protein adsorption on graphene electrode with phospholipid polymer coating
Issei Tanaka, Takehiro Sato, Madoka Takai
- 1Pc095 Evaluation of fibrinolytic properties on a substrate grafted zwitterionic copolymer composed of polyacrylamide with L-lysine in the side chain and MPC
Tomoya Nakago, Kaito Hatate, Kohei Shiraishi
- 1Pd096 Synthesis of phospholipid star-shaped polymers for the preparation of biointerface
Yuki Yamamoto, Yuta Yoshizaki, Tomohiro Konno
- 1Pc097 Secondary amide bearing polymers: Hydration state and blood compatibility
Shohei Suzuki, Singo Kobayashi, Masaru Tanaka
- 1Pd098 Preparation of micropatterned temperature-responsive gel with controlled film thickness and its application to spheroid culture substrates
Hidenori Otsuka, Ryota Teshima, Shigehito Osawa

Presentation Time

<e = 15:15~15:55>

<f = 15:55~16:35>

B. POLYMER PHYSICS: STRUCTURE AND PROPERTIES

- 1Pe001 Reaction kinetic analysis by functional monomers for vapor deposition polymerization by infrared spectroscopy
Moeka Osumi, Ryo Tabata, Ryosuke Matsubara, Atsushi Kubono
- 1Pf002 Surface Properties Modulation of Hydrophobic Polymers and Control of Anti-Fouling Properties via Air Plasma Treatment
Shintaro Yasuda, Yuka Ikemoto, Yoshihisa Fujii, Naoya Torikai
- 1Pe003 Evaluation of function and property of as-polymerized ultrahigh-molecular-weight polyethylene membranes
Ayaka Takazawa, Moeka Narasaki, Masaki Kakiage, Takeshi Yamanobe, Hiroki Uehara, Daisuke Takeuchi
- 1Pf004 Study on cationic polymerization of cycloaliphatic epoxy monomers for preparation of polymeric microspheres
Asako Nakao, Yasuyuki Yamada, Takeshi Wakiya, Daisuke Aoki, Koji Arimitsu
- 1Pe005 Solvent-free synthesis of polyhedral vinyl polymer particles based on liquid marble engineering
Tatsuro Yoshida, Shoichiro Aoki, Tomoyasu Hirai, Yoshinobu Nakamura, Syuji Fujii
- 1Pf006 Preparation of Polycarbonate Particles using the Solvent Releasing Method
Honoka Kondo, Kodai Yamano, Kazuaki Rikiyama, Daisuke Aoki, Nozomu Suzuki, Toyoko Suzuki, Hideto Minami
- 1Pe007 Preparation of Photo-responsive Hollow Particles by Suspension Polymerization

Mitsuki NAKAMURA,Ikuko MAITANI,Nozomu SUZUKI,Toyoko SUZUKI,Hideto MINAMI

- 1Pf008 pH-responsive gas marbles
Takanori Yasui,Anne-Laure Fameau,Tomoyasu Hirai,Yoshinobu Nakamura,Syuji Fujii
- 1Pe009 Preparation of photo-responsive polyampholyte
Rei Kakitani,Shin-ichi Yusa
- 1Pf010 Preparation of Silicone Hollow Particles and Their Heat Resistance Property
Hyota Nishi,Shintaro Ishidate,Ryuta Amasaki,Shinya Katsube,Nozomu Suzuki,Toyoko Suzuki,Hideto Minami
- 1Pe011 Synthesis of Hollow Perfluoropolymer Particles by Suspension Polymerization
Soshi Kanaji,Nao Minoshiam,Yoshihito Tanaka,Nozomu Suzuki,Toyoko Suzuki,Hideto Minami
- 1Pf012 Control of Surface Morphology for Phase-separable Mixed Monolayers Using Fluorocarbon-based Derivatives That Do Not Remain in The Human Body
Yoshiki Shioda,Itsuki Fujii,Atsuhiko Fujimori
- 1Pe013 Self-assembled structural transition of amphiphilic copolymer thin films throughout LCST-type behavior
Mao Kikuchi,Mizuki Ohke,Hinako Ebe,Shusaku Nagano,Shotaro Nishitsuji,Mitsuo Hara,Jun Matsui
- 1Pf014 Formation of Single-particle Layer and Structural Color Expression Using Castor Oil-derived Fatty Acid-modified Nanodiamonds That Contribute to The Development of Inorganic Pigments for Cosmetics
Yui Yamagishi,Yuka Hasunuma,Shoma Sakamoto,Atsuhiko Fujimori
- 1Pe015 Synthesis and electric field response of non-spherical liquid crystal capsules
Atsuya Kato,Daisuke Aoki,Tatsuo Taniguchi,Takashi Karatsu
- 1Pf016 Verification of heavy metal recovery by polydopamine immobilized on silica particles
Taketo Ochi,AZHAR UDDIN,Nobuko Fukuda
- 1Pe017 Preparation of Thixotropic Gel Coating Containing Lipophilized Nanodiamonds Using Natural Fatty Acids Derived from Castor Oil and Its Application to Cosmetic Formulations
Yuka Hasunuma,Yui Yamagishi,Kai Xu,Atsuhiko Fujimori
- 1Pf018 New developments in polymer-based composites containing cellulose nanofibers and polyrotaxanes -Introduction of drawn and oriented carbon nanotubes-
Pinjung Chu,Rokibul Hasan Rumon,Kai Xu,Atsuhiko Fujimori
- 1Pe019 Physisorption and Application of Cyclic Poly(Ethylene Glycol) onto Platinum Nanoparticles
Mayu Kakizaki,Masato Yamasaki,Tomohisa Watanabe,Yoko Kinoshita,Takuya Yamamoto
- 1Pf020 Investigation of the adsorption of cyclic poly(ethylene glycol) onto gold nanoparticles by surface modification using low-molecular-weight thiol
Yuki Maruyama,Bincy Akkoli Pottammal,Yamasaki Masato,Tomohisa Watanabe,Yoko Kinoshita,Takuya Yamamoto
- 1Pe021 Macroscopic structure change of poly(N-dodecyl acrylamide) nanoparticles by humid annealing.
Taiki Nakashima,Mao Kikuchi,Ryuju Suzuki,Hitoshi Kasai,Syusaku Nagano,Manabu Ishizaki,Masato Kurihara,Hinako Ebe,Jun Matsui
- 1Pf022 Compression-Stress Responsive Layered Polydiacetylene with Controlled Interlayer Interaction
Yui Takeuchi,Hiroaki Imai,Yuya Oaki
- 1Pe023 Collection of rare metals and rare earths using a interfacial film of cyclic polymer - Collection selectivity and desorption recovery techniques -
Ryoma Terui,Yoshiki Shioda,Yuji Shibasaki,Atsuhiko Fujimori

- 1Pf024 Development of monolayer and LB film fabrication methods at the gas/non-volatile ionic liquid interface.
Mayu Yasuo, Emika Onitsuka, Satoshi Watanabe, Masashi Kunitake
- 1Pe025 Creation of natural two-dimensional hybrid monolayer film of sugar chain polymer and nanoclay - Integrated interfacial films of starch particles and nanocellulose -
Ryoma Nakada, Chisato Nara, Rokibul Hasan Rumon, Atsuhiko Fujimori

C. FUNCTIONAL POLYMERS AND POLYMER FUNCTIONS

- 1Pf028 Synthesis of epoxy resins with photoinduced depolymerization polyolefinsulfones structure
Natsuki Adachi, Masahiro Kajino, Khoa V. Le, Yumiko Naka, Takeo Sasaki
- 1Pe029 Synthesis and properties of polyurethanes possessing a poly(olefin sulfone)s structure that shows photoinduced depolymerization.
Masahiro Kajino, Natsuki Adachi, Van Khoa Le, Yumiko Naka, Takeo Sasaki
- 1Pf030 Modification of stimuli responsive polymers on polymeric films having nanopillar structures
Rui Ikeda, Yohei Kotsuchibashi
- 1Pe031 The structural design of a core-shell type self-oscillating triblock terpolymer containing a proton-supplying site
Mitsuki Hashimoto, Takafumi Enomoto, Takeshi Ueki, Ryota Tamate, Aya Mizutani Akimoto, Ryo Yoshida
- 1Pf032 Stimuli-responsive behaviors of phenylalanine-modified polyethyleneimines
Akari Ikeda, Yunshen Fu, Akikazu Matsumoto, Chie Kojima
- 1Pe033 Synthesis and properties of stimuli-responsive polymers containing manganese oxo clusters with photothermal conversion capability
Mikiya KATO, Tomoya FUKUI, Takanori FUKUSHIMA
- 1Pf034 Thermoresponsive gels using polysaccharides
Koumei Harajiri
- 1Pe035 Preparation of healable cross-linked polymer films via thermal-assisted transesterification
Kazuho Maeda, Yota Okuno, Yasuhiko Iwasaki
- 1Pf036 Investigation on the mechanoresponsiveness of rotaxane-based supramolecular mechanophores using a long rod molecule
Riku Yamamoto, Yoshimitsu Sagara
- 1Pe037 Preparation of gelatin composites using thermo-responsive polymer with catechol groups
Yuga KUBOTA, Tetsu MITSUMATA, Norio TSUBOKAWA, Takeshi YAMAUCHI
- 1Pf038 LCST-type thermo-responsiveness of polyphenylacetylenes in mixed solvents
Koki Takasu, Natsuki Inaba, Keitaro Matsuoka, Kazuki Sada
- 1Pe039 Exploration of thermal responses of poly(2-hydroxyethyl acrylate) in mixed solvents
Kazuki Sada, Koki Takasu, Natsuki Inaba, Keitarou Matsuoka
- 1Pf040 Control of Thermosensitivity and Expression of Functionality in Hydrogels by Adjusting Side Chain Lengths
Taichi Nishi, Takuma Kureha
- 1Pe041 Development of low-molecular-weight gelators containing tetraphenylethylene moieties
Haruka Inagaki, Junya Kani, Kazuhiro Yabuuchi
- 1Pf042 Synthesis and characterization of flexoelectric liquid crystals showing photorefractive effect.
Miku Nagaoka, Yumiko Naka, Khoa V. Le, Takeo Sasaki
- 1Pe043 Emergence of a structural color of graphene oxides and its magnetic control

Daisuke Ogawa,Tomoki Nishimura,Yuta Nishina,Koki Sano

- 1Pf044 Development of a plasmonic photonic crystal via self-assembly of functional nanosheets
Seiya Yui,Yasuo Ebina,Takayoshi Sasaki,Koki Sano
- 1Pe045 Synthesis of Photo-crosslinked Polymer Using Helical Network Polymer as a Template and Circularly Polarized Luminescent Polymer
Ryo Kurusutani,Hiromasa Yamamoto,Takuya Inagaki,Yuki Fujita,Kosuke Kaneko,Tomonori Hanasaki,Kazuo Akagi
- 1Pf046 Investigation of photoconductive compounds for high-performance photorefractive liquid crystal blends
Yoshikaze Umabayashi,Van Khoa Le,Yumiko Naka,Takeo Sasaki
- 1Pe047 Omnidirectional Circularly Polarized Luminescence Using Chiral Liquid Crystal Polymer Particles
Tamami Hosokawa,Tomoki Shigeyama,Kohsuke Matsumoto,Osamu Tsutsumi
- 1Pf048 Desidn of Wireless Electrochemical Soft Actuators
Soma Hodono,Keiichi Imato,Taichi Hino,Naoki Kaneda,Ichiro Imae,Yousuke Ooyama
- 1Pe049 Role of Flexible Electrodes in Electroactive Polymer Actuators
Daito Goto,Hidenori Okuzaki
- 1Pf050 Preparation and Nonlinear Electrical Characteristics of Network-like Doped Conductive Polymer Langmuir-Blodgett Films
Naoki HARA,Yuya ISHIZAKI,Shusaku NAGANO
- 1Pe051 Construction and Nonlinear Electrical Conduction of Gold Nanoparticle Composite Networks with Conductive Polymers by Cospread Method with Liquid Crystal Molecules
Taikai MATSUDA,Yuya ISHIZAKI,Shusaku NAGANO
- 1Pf052 Nonlinear Electrical Characteristics of Self-Doped Polythiophene Thin Films
Motoaki Onishi,Yuya Ishizaki,Hirokazu Yano,Hidenori Okuzaki,Shusaku Nagano
- 1Pe053 Porous Thin Film Formation from Liquid Crystalline Block Copolymers for Thin Film Ionic Diodes
Kotaro MORIMOTO,Yuya ISHIZAKI,Shusaku NAGANO
- 1Pf054 Heterosmectic Lamellar Formation and Anisotropic Proton Conductivity of Liquid Crystalline Polymer Films
Yuya Ishizaki,Oichiro Kumamoto,Yuki Nagao,Takahiro Seki,Shusaku Nagano
- 1Pe055 Strain-induced crystallization behavior and mechanical properties of solid polymer electrolytes with homogeneous network structure
Shuto Fujisawa,Kei Hashimoto,Koichi Mayumi,Takamasa Sakai,Shoichi Kutsumizu,Yohei Miwa
- 1Pe057 Research for structural color materials that do not require shear stress
Kagari Maruyama,Takayuki Nonoyama,Xiang Li,Jian ping Gong
- 1Pf058 Localization of electropolymerization of PEDOT
Hsuan-I Liang,Shyh-Chyang Luo,Chi Chen
- 1Pe059 Investigation of the principle of friction reduction effect by hierarchical surface microstructure of *Necrophila japonica*
Kazuma Tsujioka,Yuji Hirai,Masatsugu Shimomura,Yasutaka Matsuo
- 1Pf060 Adhesive properties of dopamine-modified carboxymethylcellulose
Kaori Kamura,Taiyo Hashimoto,Kozo Matsumoto
- 1Pe061 The friction reduction effect of the moth-eye structure
Akari Koda,Kazuma Tsujioka,Yuji Hirai,Masatsugu Shimomura,Yasutaka Matsuo
- 1Pf062 Chemical structures of Epoxy Resin and Residual Stress at Adhesion Interface.
Yuta Kawasaki,Takuya Matsumoto,Takashi Nishino

- 1Pe063 Effect of molding conditions on friction and wear behavior of polyimide friction materials
Yuto Matsumoto, Hiroaki Sugiyama, Masaki Kakiage, Hiroki Uehara, Takeshi Yamanobe, Takashi Kibishi, Masaya Nakajima, Taku Naganuma, Junichi Nozawa, Takayuki Ninomiya, Yoshiyuki Matsumoto, Norimitsu Kanayama, Tetsuya Sonobe
- 1Pf064 Chemical Structure Evaluations of Amine Hardeners to Ensure and Predict the Performance of Wet Adhesion of Epoxies
Yasuyuki Nakamura, Yusuke Hibi, Kimiyoshi Naito, Norie Yamamoto, Misato Hanamura
- 1Pe065 Preparation of photo-adhesive materials with a methacryl monomer having a 2-aminopyridyl group
Hinata Okada, Masahiro Furutani
- 1Pf066 Preparation of photo-adhesive materials with methacryl monomers having hydroxypyridyl groups
Miku Matsui, Masahiro Furutani
- 1Pe067 Michael addition type photo anionic curing and adhesive properties using various photobase generators.
Yuya Tanaka, Daisuke Aoki, Koji Arimitsu
- 1Pf068 Synthesis of multifunctional lactone monomers and anionic curing behavior by strong organic bases
Yuudai Yamamuro, Daisuke Aoki, Koji Arimitsu
- 1Pe069 Surface Free Energy and Ice Adhesion of Poly(methacrylate)s with Various n-Alkyl Side Chains
Yuki Shiramatsu, Takuya Matsumoto, Takashi Nishino
- 1Pf070 Preparation of high-density polysiloxane brushes with water repellency and low friction
Toui Furukawa, Yoshihisa Fujii, Yukikazu Takeoka, Takahiro Seki, Mitsuo Hara
- 1Pe071 Construction of locomotion-typed selective oil recovery system using superhydrophobic sponge attached-bending film
Kodai Moribayashi, Rentaro Matsui, Hiroshi Endo, Makoto Gemmei
- 1Pf072 Superb anti-icing surface by infusing PG into a superhydrophobic skeleton composed of ZnO and PDMS
Yueying Yu, Masanobu Naito, Wei Weng
- 1Pe073 Dye-inclusion behaviors of 32-terminated polysulfonate dendrimers
Mizuki Tanaka, Shogo Tago, Reo Sugai, Atsushi Seki, Ken'ichi Aoki

D. BIOPOLYMERS AND BIORELATED POLYMERS

- 1Pf076 Creation of enveloped viral replicas equipped with hemagglutinin and their intracellular introduction
Sosuke Nakamura, Hiroto Furukawa, Hiroshi Inaba, Kazunori Matsuura
- 1Pe077 Design of a highly hydrophilic spider silk protein MaSp1 based on Spider Silkome Database and construction of a method for evaluating hydrophilicity of protein using ERmod
Soichiro Ueno, Akitaka Furuichi, Taichi Kurita, Kazuo Yamada, Nobuyuki Matubayasi, Keiji Numata
- 1Pf078 Creation of artificial viral capsid decorated with fluoroalkyl chain and their intracellular introduction
Yuka Yamamoto, Hiroto Furukawa, Hiroshi Inaba, Koji Kadota, Kohsuke Aikawa, Yu Ota, Takashi Okazoe, Kazunori Matsuura
- 1Pe079 Chemoenzymatic polymerization of tripeptide motif mimicking keratin's primary structure
Haruki Kubota, Shogo Takemura, Taichi Kurita, Kousuke Tsuchiya, Keiji Numata
- 1Pf080 Structure-activity relationship studies of sugar binding CPPs that induce

macropinocytosis
yusei yoshida,kouta nomura,keiji numata

- 1Pe081 Development of a thiol compound with aggregation inhibitory effects and promoting oxidative protein folding
Koki Suzuki,Ryoya Nojiri,Tomohide Saio,Takahiro Muraoka
- 1Pf082 Biochemical studies of mitochondrial targeting peptide with stabilized helical conformation by introducing α,α -disubstituted amino acids
Yosuke Murakami,Seiya Fujita,Kayo Terada,Kousuke Tsuchiya,Makoto Oba,Keiji Numata
- 1Pe083 Reconstitution and characterization of cell adhesion-related proteins by solid-phase synthesis of membrane proteins
Yusuke Tani,Ryousuke Mizuta,Shin-ichi Sawada,Yoshihiro Sasaki,Kazunari Akiyoshi
- 1Pf084 Construction of Tau-derived peptide dimers for microtubule stabilization
Yui Hayakawa,Hiroshi Inaba,Akira Kakugo,Kazunori Matsuura
- 1Pe085 Design of Photoresponsive Polypeptides Exhibiting Conformational Change in Response to Light Irradiation and Cell Behavior on Their Micropatterned Surfaces
Yume Takao,Akifumi Kawamura,Takashi Miyata
- 1Pf086 Optical control of microtubule structures by azobenzene-incorporated Tau-derived peptides
Mahoko Tateishi,Hiroshi Inaba,Akira Kakugo,Kazunori Matsuura
- 1Pe087 Effect of supramolecular complex formation on introduction of fluorescent molecules into antibodies
Yuma Iwai,Hiroyasu Yamaguchi
- 1Pf088 Application of anti-nucleation peptide from collagen to cell stock solutions
Mai Morimoto,Yoshiaki Hirano

Thu. Jun 6

Presentation Time

<a = 10:15~10:55>

<b = 10:55~11:35>

A. POLYMER CHEMISTRY: SYNTHESIS AND REACTIONS

- 2Pa001 Effects of tertiary amines on the Synthesis of Unsaturated Polyesters via Conjugate Substitution Reaction
Kanta Suzuki,Takumi Noda,Yasuhiro Kohsaka
- 2Pb002 Synthesis of sulfur-containing polymers from sulfur and changes in physical properties due to different sulfur numbers.
Ryunosuke Kamioka,Yuichiro Kobayashi,Hiroyasu Yamaguchi
- 2Pa003 Synthesis and biodegradability of bio-based poly(ester-thioether)s by Michael addition thiol-ene reaction
Ryota Imamura,Akinori Takasu
- 2Pb004 Synthesis of macrocyclic N-methylated nylon
Akari Sugano,Keitaro Matsuoka,Kazuki Sada
- 2Pa005 Synthesis of polyarginine by bulk polymerization using enzyme
Zhiwei Liu,Kayo Terada,Alexandros Lamprou,Kousuke Tsuchiya,Keiji Numata
- 2Pb006 Polymerization behavior in the polycondensation of amino acids using a bifunctional catalyst for precision polycondensation
Yusei HIRAKO,Hiroyuki OHASHI,Tsuyoshi ANDO,Hiroharu AJIRO
- 2Pa007 Investigation of chain-growth condensation polymerization of amino acid monomer immobilized on metal-organic framework from model reactions
Miyuki MOCHIZUKI,Takeru KAMEYAMA,Yoshihiro OHTA,Ami NISHIJIMA,Takashi UEMURA,Tsutomu YOKOZAWA

- 2Pb008 Synthesis and application of polyester cross-linkers by means of ester-ester exchange reaction
Takayoshi KATOH, Ryouichi OKABAYASHI, Yoshihiro OHTA, Tsutomu YOKOZAWA
- 2Pa009 Direct arylation polycondensation of bis(1,2,3-triazole) monomers with dibromoarenes
Yuki Kitagawa, Shotaro Hayashi
- 2Pb010 Synthesis of Poly Aryl Ether Ketone (PAEK) with Organic Acids
Tomoyuki Yanagi
- 2Pa011 Synthesis of Aromatic Polymers via Friedel-Crafts Polycondensation Using Methanesulfonic Acid and Thiol-Based Co-Catalyst
Mayu Tomita, Kazuya Matsumoto, Mitsutoshi Jikei
- 2Pb012 Synthesis of well-defined hyperbranched aromatic polymer by means of catalyst-transfer Suzuki-Miyaura condensation polymerization of fluorene-phenylene dibromo AB₂ boronate monomer
Takumi HASEGAWA, Ryusuke SHIMADA, Yoshihiro OHTA, Tsutomu YOKOZAWA
- 2Pa013 Investigation of intramolecular transfer of Pd catalyst on dihaloarylenes consisting of three phenylenes connected with two different functional groups
Ken KUWABARA, Daiki TAKAMATU, Yoshihiro OHTA, Tsutomu YOKOZAWA
- 2Pb014 Synthesis of various carbazolophane derivatives by cross-coupling reactions
Hiroaki Chihara, Miyuki Masaki, Masayoshi Bando, Tamaki Nakano, Takunori Harada, Yuji Kinose, Yoshinobu Tsujii, Shigeyuki Yagi, Keita Tani
- 2Pa015 Synthesis of novel branch polymers with phenolic resins as initiation points for ATRP
Saya Hirama, Yo Sakashita, Haruka Kido, Shin-ichi Ohfuchi, Tadamasu Nemoto
- 2Pb016 Application of Phenolic Resin Derivatives to Fiber Reinforced Plastic Materials
Misaki Asada, Tadamasu Nemoto
- 2Pa017 Synthesis and Characterization of Polyimides Using Fluoroalkylated Benzidine
Natsu Kakumoto, Tadashi Kanbara, Shinji Ando, Tomoko Yajima
- 2Pb018 Synthesis of Novel High Fluorine Content Polyimide Having a Perfluoroalkylene Chain in the Main Chain
Riho Shirano, Tamako Nakamura, Tadashi Kanbara, Shinji Ando, Tomoko Yajima
- 2Pa019 Synthesis of Fluorinated Polyimides from Octafluorocyclopentene as a Starting Material
Katsuki Hagiwara, Kazuki Shitsuka, Yuka Masaki, Masaru Kondo, Tomohiro Ago, Hiroki Fukumoto
- 2Pb020 Synthesis of Poly(arylene ether phosphine sulfide)s with Aliphatic Substituents towards Low Dielectric Materials
Ryoyu Hifumi, Kotaro Ochiai, Ikuyoshi Tomita
- 2Pa021 Preparation of novel polysiloxane derivatives for surface modification
Haruki Chiba, Yuto Sakuma, Tsukasa Ichikawa, Nobukatsu Nemoto

B. POLYMER PHYSICS: STRUCTURE AND PROPERTIES

- 2Pa023 Compositional Analysis at the Interface of Surface Modified Si Substrate/Epoxy Resin Adhesion Using STEM-EELS
Yohei Sato, Tomohiro Miyata, Yoshiaki Kawagoe, Kaname Yoshida, Hsin-Hui Huang, Masashi Mizukami, Tomonaga Okabe, Katsumi Hagita, Teruyasu Mizoguchi, Hiroshi Jinnai
- 2Pb024 Microscopic Chemical Characterization of Epoxy Resin with STEM-EELS
Hsin-Hui Huang, Tomohiro Miyata, K. Yohei Sato, Teruyasu Mizoguchi, Hiroshi Jinnai, Kaname Yoshida
- 2Pa025 Comonomer compositional distribution analysis of marine-biodegraded polyester residues by high-resolution mass spectrometry

Naoki KANAYAMA,Sayaka NAKAMURA,Shin SANNO,Mami TANAKA,Satoshi MORIKUBO,Hiroaki Sato,Hideaki Hagihara

- 2Pb026 The Effect of Concentration on Dynamic Light Scattering Measurement
Toramasu Uematsu,Takashi Hiroi
- 2Pa027 Endeavor toward automation of sample pretreatment and analysis utilizing collaborative robot
Kazuki Hammura,Atsushi Inakazu,Yuki Takei
- 2Pa029 Thermal conductivity analysis of stretch-oriented structures using RadonPy, an automated polymer property simulation program
Takuma Mitsutake,Hidemine Furuya,Ryohei Hosoya,Satoko Ishii,Massimiliano Zamengo,Junko Morikawa,Yoshihiro Hayashi,Ryo Yoshida
- 2Pb030 Evaluation of exothermic phenomenon for polyisobutylene (PIB) by calorimetry above fusion temperature
Ryoto Suzuki,Itaru Tsukushi
- 2Pa031 Micro-phase separation structure and mechanical/thermal properties of poly(lactate)/microbially produced lactate-based copolyester polymer blends
Yusuke Imai,Yuichi Tominaga,Shinji Tanaka,Shinji Tanaka,Masaru Yoshida,Sho Furutate,Toshihiko Kanda,Shunsuke Sato,Sangho Koh,Seiichi Taguchi
- 2Pb032 Reinforcement effects of high aspect ratio nanofillers on polyamide 6 nanocomposites
Ryusei Shibuya,Seira Morimune-moriya
- 2Pa033 Reflection Color Gradation Formed in Chiral Nematic Liquid Crystal Films by Photo-gradient Polymerization
Tatsuya Ishibe,Yuki Shikata,Kohsuke Matsumoto,Osamu Tsutsumi
- 2Pb034 The Study on Nano-Mechanical Properties of Filler-Filled Rubber using Nano-Palpation Atomic Force Microscopy
Maytawee Malineerat,Makiko Ito,Xiaobin Liang,Ken Nakajima
- 2Pa035 Using a nano-palpating atomic force microscope, a study on the nano-properties of SBR-based vulcanized rubber containing petroleum resin.
Sho Inoue,Makiko Ito,Shogo Ishizaka,Keisuke Chino,Xiaobin Liang,Ken Nakajima
- 2Pb036 The Effect of Vulcanization on Mechanical Behavior during Elongation of Thermoplastic Vulcanizates
Gakuto Kojima,Makiko Ito,Xiaobin Liang,Ken Nakajima
- 2Pa037 AFM Nanomechanics of Multi-Network Elastomers
Makiko Ito,Keitaro Iwasaki,Keisuke Chino,Xiaobin Liang,Ken Nakajima
- 2Pb038 Dispersion state of fumed silica and viscoelastic properties in a polymer blend composed of the components with low glass transition temperatures
Furiku Maruyama,Yosihisa Fujii,Naoya Torikai
- 2Pa039 Hard Domain Stiffness Effects on Mechanical Properties of ABA-Type Triblock Copolymer Elastomers
Hiroto Hamaguchi,Katsuhiro Yamamoto
- 2Pb040 Synthesis of polycyclic aromatic polymer by in-situ polymerization in solid polymer and its morphology control
Tatsuya Ozono,Nanami Hano,Hiroataka Ihara,Makoto Takafuji
- 2Pa041 Branched Photo-active Polymeric Dormant: Utilization to Controlled UV-curing and Domain Functionalization
Shuhei Abe,Kenichi Oyaizu,Takeo Suga
- 2Pb042 Development of boron nitride dispersion method using TiO₂ nanoparticles as a functional dispersant and composite of thermosetting polyimide and its boron nitride
Hiroki Fukuie,Shuta Hara,Shigeru Shimizu,Hiroki Ikake
- 2Pb044 Thermal degradation analysis of plastic products shaped by 3D printing

Chihiro Ota, Yoshimichi Namai

- 2Pa045 Evaluation of affinity between polymer surface and water molecules by Scanning Probe Microscopy methods
Yoshimichi Namai

C. FUNCTIONAL POLYMERS AND POLYMER FUNCTIONS

- 2Pa047 Step- π -conjugated polymers (216) Synthesis of structure-controlled polymer to evaluate performance of macromolecular wire
Kazuki Takeuchi, Rio Matsunaga, Nozomi Tokura, Daisuke Kitayama, Haoxuan Guo, Hiroyuki Aota
- 2Pb048 Step- π -conjugated polymers (217) Synthesis of A,B-Block macromolecular wires with different energy levels
Yusuke Otaki, Daisuke Morinaka, Kota Tanaka, Haoxuan GUO, Hiroyuki Aota
- 2Pa049 Step- π -conjugated polymers (218) Synthesis of amphiphilic A,B-Block macromolecular wires with different energy levels
Mika Tonoike, Yuna Ohara, Yusei Takahashi, Haoxuan GUO, Hiroyuki Aota
- 2Pb050 Step- π -conjugated polymers (219) Syntheses of macromolecular wires bonded to platinum and platinum / titanium dioxide
Soshiro Numata, Kota Arakawa, Natsuki Kobayashi, Haoxuan GUO, Hiroyuki Aota
- 2Pa051 Step- π -conjugated polymers (220) An attempt to synthesize new donor for introduction into macromolecular wires
Shunta Nakamura, Ayato Isogai, Haoxuan Guo, Hiroyuki Aota
- 2Pb052 Step- π -conjugated polymer (221) Synthesis and electron transfer evaluation of A, B-block type macromolecular wire containing trimethoxybenzene
Takuya Inoue, Daisuke Morinaka, Haoxuan Guo, Hiroyuki Aota
- 2Pa053 Creation of composite materials composed of charge-transfer complexes-perovskite nanocrystals and energy transfer analysis
Shusei Hattori, Jun Matsui, Hinako Ebe
- 2Pb054 Thickness dependence of optical resonator/photoelectrode composed of nickel oxide film on metal surface
Takashi Katsurahara, Tomoya Oshikiri, Noriko Kubota, Hiromasa Niinomi, Masaru Nakagawa
- 2Pa055 Design and synthesis of electron-deficient poly(arylenevinylene)s via hydroarylation polyaddition
Ryota Iwamori, Kenta Miyata, Junpei Kuwabara, Takeshi Yasuda, Takaki Kanbara
- 2Pb056 Synthesis of bithiazole-based poly(arylenevinylene)s via hydroarylation polyaddition and their optical properties
Boya Li, Ryota Iwamori, Junpei Kuwabara, Takeshi Yasuda, Takaki Kanbara
- 2Pa057 Fabrication and photoelectrochemical property of thin NiO-nanocrystal films using polydimethylsiloxane flat mold
Tomoki Kawase, Tomoya Oshikiri, Takaaki Tomai, Hiromasa Niinomi, Masaru Nakagawa
- 2Pb058 Creation of Fluorogenic Nanogels for CO₂ Detection in Various Concentration Ranges
Tomoka Kimura, Ryutaro Honda, Masaya Ifuku, Toshikazu Ono, Yu Hoshino
- 2Pa059 Preparation of Light-emitting Oligomers by Precision Polymerization of Polycyclic Aromatic Dyes
Masaya Ifuku, Sotaro Tsuji, Yukiko Nagai, Toshikazu Ono, Yu Hoshino
- 2Pb060 Synthesis of conjugated polymers with controlled terminal structures using direct arylation reactions and their optical properties
Ziwei Hu, Takaki Kanbara, Junpei Kuwabara
- 2Pa061 Emission and Photochemical Reaction of Amorphous Molecular Materials Possessing Two and Three Cyanostilbene Moieties in a Molecule.

Yuito Shimazaki, Hideyuki Nakano

- 2Pb062 Ring-shaped Super Structure of Terarylene and Their Amplified Stimulus Response.
Saeko Kitamine, Marine Louis, Shiki Yagai, Tsuyoshi Kawai
- 2Pa063 Optical soliton generation by self-focusing/defocusing of gel containing photochromic materials
Yuga Ogura, Kenji Kinashi, Jessie Jackin Boaz, Wataru Sakai, Naoto Tsutsumi
- 2Pb064 High performance thin holograms in azo-carbazole polymer film
Ikuma Yamazaki, Sumit Kumar Singh, Kenji Kinashi, Jessie Jackin Boaz, Naoto Tsutsumi, Wataru Sakai
- 2Pa065 An Investigation of Reflection Photorefractive Holography
Ryuya Sawa, Kenji Kinashi, Jessie Jackin Boaz, Naoto Tsutsumi, Wataru Sakai
- 2Pb066 Fabrication of transparent paper and optical applications using origami structure
Ryota Minakatsu, Norihisa Tanio
- 2Pa067 Prediction of refractive index of transparent polymers by elucidating atomic refraction
Yuya Yoshinari, Noriyuki Kato, Katsushi Nishimori, Tatsuki Nyui, Atsuhiko Sato, Norihisa Tanio
- 2Pb068 Development of colorless and transparent amorphous polymers capable of visible-light emission
Tsukasa Kawamura, Tsuneaki Sakurai, Masaki Shimizu
- 2Pa069 Highly efficient photoalignment of liquid crystalline copolymers (LCPs) of birefringence control based on in situ exchange of oriented mesogen
Keigo Uemura, Gento Nakajima, Mizuho Kondo, Tomoyuki Sasaki, Moritsugu Sakamoto, Masato Suzuki, Hiroshi Ono, Nobuhiro Kawatsuki
- 2Pb070 Efficient photo-alignment of photo-alignable LC polymer with cinnamate and phenyl aldehyde side groups, and in situ conversion to oriented film with large birefringence
Ryota Oya, Mizuho Kondo, Tomoyuki Sasaki, Moritsugu Sakamoto, Masato Suzuki, Hiroshi Ono, Nobuhiro Kawatsuki
- 2Pa071 Photoalignment of hydrogen-bonded polymer blend films of photoalignable polymer liquid crystalline polymer (PLCP) with cinnamic acid side group and non-photoreactive polymer liquid crystals
Ryuya Toku, Mizuho Kondo, Tomoyuki Sasaki, Moritsugu Sakamoto, Masato Suzuki, Hiroshi Ono, Nobuhiro Kawatsuki
- 2Pa073 Synthesis of rubbery polymer-grafted ZnO nanorods and evaluation of their alignment behavior
Asuka Hayashi, Kaho Nakano, Shoichi Kubo, Atsushi Shishido
- 2Pb074 Effect of cross-linking density on mechanical and shape memory properties of cross-linked acrylic resin composited with carbon fiber
Kazuma Sugimoto, Shogo Nobukawa, Katsuhiko Inomata
- 2Pa075 Evaluation of dispersion characteristics of TiO₂ nanoparticles coated with photo-crosslinking dispersant and preparation of the composite with poly-D,L-lactic acid
Keiya Kawamura, Shuta Hara, Tsuyoshi Kimura, Shigeru Shimizu, Hiroki Ikake
- 2Pb076 Preparation and Microstructure of Styrene-Butadiene Copolymer/Fe₂O₃ Nanohybrid Material
Atsushi Furukawa, Shuta Hara, Takuto Nakazawa, Kouichi Takase, Shigeru Shimizu, Hiroki Ikake
- 2Pa077 Development of MXene (TiC) dispersion method using TiO₂ nanoparticles as a functional dispersant and composite of the styrene-butadiene copolymer and its MXene
Hiroyuki Hirata, Shuta Hara, Shigeru Shimizu, Hiroki Ikake

- 2Pb078 Thermoresponsive optical materials by combination of pillared-layer MOFs and nematic liquid crystals
Yujiro Ichiko, Shizuka Anan, Kenta Kokado
- 2Pa079 Reaction and Application with Hydrophilic Polymer Complex for Metal Salt Composite [9]; Effect of Thermal Condition on "Secondary Doping" of Ag⁺ for Iodine-doped Polymers [2].
Akio Kawaguchi
- 2Pb080 Synthesis of polysiloxanes bearing photobase generating groups releasing radicals and bases in side chains and their application to hard coating materials
Tatsunari Yoshino, Daisuke Aoki, Koji Arimitsu
- 2Pa081 Water vapor barrier properties of polystyrene-silica nanocomposites with perhydropolysilazane
Yuta Yoshizawa, Reiko Saito
- 2Pb082 Synthesis and properties of carbazole-substituted incompletely and completely-condensed cage silsesquioxanes
Honoka Yonezawa, Hiroaki Imoto, Kensuke Naka
- 2Pa083 Fabrication and characterization of biodegradable polyurethane/biphasic ceramics composites (III) -Examination of ceramics with macropores-
Koshiro Morikubo, Mamoru Aizawa, Masahiro Fujita, Yuko Takeoka, Masahiro Rikukawa
- 2Pb084 Development of filters using cellulose nanofibers for water treatment and evaluation of their wettability
Towa Higashidani, AZHAR UDDIN, Nobuko Fukuda
- 2Pa085 Functionalized nanoparticle composite membranes with improved compatibility and suppressed interface defects.
Fuwa Komatsu, Yu Kanasaki, Takayuki Ishizaka, Takashi Makino, Akito Masuhara
- 2Pb086 Preparation and adsorption capacity evaluation of core-shell type aromatic polyamide-silica particles
Yayoi Yoshioka
- 2Pa087 Preparation and physical properties of cellulose nanofiber/cycloolefin copolymer transparent composite materials
Yuki Tsuchida, Hideki Sugimoto
- 2Pb088 Preparation and physical properties of coumarin-containing acrylate/alumina transparent composite materials
daisuke itakura, hideki sugimoto, takeru matuo
- 2Pa089 Preparation and physical properties of self-healing thiourethaneacrylate/alumina transparent composite materials
Joya Ikoma, Kazuya Hasegawa, Hideki Sugimoto
- 2Pb090 Toughness improvement of PMMA with Polymerizable PVB
Koki Ino, Tomotaka Iwasa, Hideki Sugimoto
- 2Pa091 Encapsulation of near-infrared absorbing nanoparticles using surfactant bilayers
Maina Takeuchi, Moriya Kikuchi, Takumi Kudo, Atsushi Igari, Fujita Masahiko, Takeshi Chonan, Seigou Kawaguchi
- 2Pb092 Preparation of CsPbBr₃ perovskite nanocrystal-containing polymer particles
Yoshiki Kageyama, Moriya Kikuchi, Kazushi Enomoto, Seigou Kawaguchi
- 2Pa093 The development of high water-resistant aluminum ink by polymer coating
Takeru Miyauchi, Moriya Kikuchi, Seigou Kawaguchi
- 2Pb094 Thermoelectric properties of poly(3,4-ethylenedioxythiophene) having polyhedral oligomeric silsesquioxane as a side chain
Ichiro Imae, Yasuto Hara, Keiichi Imato, Yousuke Ooyama
- 2Pa095 Fabrication method for composite materials using polyacrylic acid and silica nanoparticles with proton conductivity

Hinako Koyanagi, Yoshimasa Matsuo, Akito Masuhara

- 2Pb096 High functionalized silk fibroin/polyurethane composites by peptide modification
Yuri Matsumoto, Shota Akioka, Yasumoto Nakazawa
- 2Pa097 Preparation of soluble polymers via hydrosilylation of dimethylhydrosilyl-functionalized cage octasiloxane and acetone followed by dehydrocarbon condensation
Yuto Hongo, Yoshiro Kaneko
- 2Pb098 Hybrid of Dawson-type polyoxometalates and amphiphilic diblock copolypeptides with triangular nanohybrid structure and their assembling mechanism.
Kai Miyamoto, Keita Kuroiwa

Presentation Time

<c = 13:15~13:55>

<d = 13:55~14:35>

A. POLYMER CHEMISTRY: SYNTHESIS AND REACTIONS

- 2Pc001 Anisotropic Polymerization by Crystal Cross-linking of MOFs with Layered Structure
Takumi Sato, Shizuka Anan, Kenta Kokado
- 2Pd002 Surface characterization of 6-armed star-shaped polycaprolactones end-functionalized with perfluoroheptyl groups
Riku Satou, Kouya Suzuki, Minako Kishi, Kana Nakasone, Kenji Sugiyama
- 2Pc003 Reactivity of alkoxy-substituted cage silsesquioxane and structure of the condensation product.
Naoki Watanabe, Hiroaki Imoto, Kensuke Naka
- 2Pd004 Syntheses and their properties of pendant polysiloxanes using incompletely condensed cage silsesquioxanes with various substituents
Miku Kosaka, Taishi Nakano, Kenji Kanaori, Hiroaki Imoto, Kensuke Naka
- 2Pc005 Preparation of perylenediimide molecules with polyhedral oligomeric silsesquioxane (POSS) and evaluation of its molecular aggregation state
Mayu Mine, Yoshinobu Nakamura, Syuji Fujii, Tomoyasu Hirai
- 2Pd006 AIE properties of comb-like diblock copolymers with polyethyleneimine backbone in the presence of metal ions
Keito Mori, Ren-Hua Jin
- 2Pc007 Synthesis of bunch of grape-shaped polymer (Botryosin) containing acetal bonds in the main chain and their application to extreme ultraviolet resist materials
Riku Akabane, Hiroto Kudo
- 2Pd008 Introduction of pendant methyl groups to a surface-oxazoline derivative-substituted dendrimers and their thermoresponsive properties.
Yuina Fukushima, Yui Nishikawa, Keigo Aoi
- 2Pc009 Synthesis and Properties of Hyperbranched Polyimides from Ortho-Substituted Asymmetric Triamine
Koya Ikemoto, Kazuya Matsumoto, Jikei Mitsutoshi
- 2Pc011 Introduction and Characterization of ACAT Dichloride Substituents into Hyperbranched Polyethyleneimine Molecules
Tomohiro Suzuki, Tadashi Tsukamoto, Yuji Shibasaki
- 2Pd012 Selective in situ supramolecular polymer conversion depending on the termini of open/close-ended supramolecular polymers
Hiroki Itabashi, Hiroki Hanayama, Shiki Yagai
- 2Pc013 Synthesis and Phosphorescent Emission of Copper Coordination Polymers by Pyridine Modification of Aromatic Cyclic Amide Trimers
Taiga Shirai, Koji Takagi

- 2Pd014 Self-organization of Microfibers Consisting of Copper(I) Thiolate Coordination Polymers
Takako Nodake, Hiroshi Eguchi, Kenji Nagata
- 2Pc015 Formation of supramolecular gels of dumbbell-shaped POSS molecular design bridged by an urea group
Jinshiro Takeuchi, Ichiyo Tokunami, Hiroaki Imoto, Kensuke Naka
- 2Pd016 Inclusion complex formation of syndiotactic PMMA by adding multiple guest molecules
Kosei Nakata, Kohei Segawa, Takehiro Kawauchi
- 2Pc017 Aggregation behavior of oligo(phenylene ethynylene) derivatives in the presence of polymer
Shogo Amemori, Motohiro Mizuno
- 2Pd018 Formation of self-assembled monolayers with a pyridyl-substituted triptycene tripod allowing for post-surface functionalization
Aono Yamaguchi, Naoya Sakurai, Ryosuke Takehara, Yoshiaki Shoji, Takanori Fukushima
- 2Pc019 High-density 2D assembly of dipolar rotor units directed by triptycene supramolecular scaffolds
Takejiro Ogawa, Fumitaka Ishiwari, Ryosuke Takehara, Yoshiaki Shoji, Takashi Kajitani, Takao Sasagawa, Koji Yazawa, Takanori Fukushima

B. POLYMER PHYSICS: STRUCTURE AND PROPERTIES

- 2Pc021 Molecular dynamics simulation of chiral selection in crystallization of polypropylene
Takashi Yamamoto
- 2Pd022 Structural Changes in Crystalline Polymer Materials Induced by Exposure to High-Pressure Hydrogen Gas: Effects of temperature and pressure cycling
Keiko Ohyama, Fumitoshi Kaneko, Shin Nishimura
- 2Pc023 Phase separation and crystallization of crystallizable side-chain grafted polymers
Go Matsuba, Kazuki Suzuki, Kaito Yui
- 2Pd024 Analyze the crystal morphology of main-chain polyalkyl imidazolium salt
Reiya Watanabe, Yasushi Maeda, Atsushi Matsumoto, Shinji Sugihara
- 2Pc025 Hierarchical structure inside isotactic polystyrene spherulite revealed by the visualization of crystal orientations
Shusuke Kanomi, Koichi Azuma, Tomohiro Miyata, Hiroshi Jinnai
- 2Pd026 Structural change of PVT-PDA crystal investigated by X-ray diffractometry
Sadaharu Jo, Hitoshi Yoshikawa
- 2Pc027 Mechanism of Strain-Induced Crystallization in Nanoparticle-Filled Rubber Observed by Electron Microscopy
Kai Chen, Daisuke Watanabe, Tomohiro Miyata, Wakana Miyoshi, Tatsuya Kikuchi, Takehiro Kitaura, Hiroaki Yamada, Hiroshi Jinnai
- 2Pd028 Primary nucleation of isotactic polystyrene spherulites by seeding process
Yukine SHINODA, Masato HASHIMOTO, Tomoko MIZUGUCHI, Susumu FUJIWARA
- 2Pc029 Morphology generated during melting and recrystallization process of polymer spherulites
Rio OTSU, Yuta SHINMURA, Masato HASHIMOTO, Tomoko MIZUGUCHI, Susumu FUJIWARA
- 2Pd030 Effect of high-pressure press on mechanical properties and crystalline structure of polybutylene succinate
Hiroki Miyakawa, Daisuke Iwahara, Shotaro Nishitsuji, Hiroshi Ito, Atsushi Kusuno

- 2Pc031 Uptake of Butanol in Butanol/acetone mixed aqueous solution by Nanoporous Syndiotactic Polystyrene
Rei Miyauchi, Takahiko Nakaoki
- 2Pd032 Comparison of 1- and 2-Propanol Uptake Using Nanoporous Syndiotactic Polystyrene.
Taiki Fujiwara, Takahiko Nakaoki
- 2Pc033 Gelation and Melting Behavior of Poly(3-hydroxybutyrate)/o-Dichlorobenzene and its Molecular Structure
Ryouta Arai, Takahiko Nakaoki
- 2Pd034 Crystallization process for stretched poly(trimethylene terephthalate) near the glass transition temperature II
Takashi Konishi, Hiroshi Yokota, Yoshihisa Miyamoto
- 2Pc035 Crystallization and mechanical properties of elastomers with ethylene glycol side chain.
Shuuta Nakajima, Taichi Nishi, Takuma Kureha
- 2Pd036 High-pressure hydrogen gas effects on polymer materials
Fumitoshi Kaneko, Keiko Ohyana, Shin Nishimura, Hiroaki Ono

C. FUNCTIONAL POLYMERS AND POLYMER FUNCTIONS

- 2Pd038 Birefringence control and three-dimensional molecular orientation of photocrosslinkable polymer liquid crystal films
Soma Konishi, Mizuho Kondo, Tomoyuki Sasaki, Moritsugu Sakamoto, Masato Suzuki, Hiroshi Ono, Nobuhiro Kawatsuki
- 2Pc039 Polarized luminescence by in situ reaction on photo-aligned liquid crystalline polymer film
Soma Kuroda, Mizuho Kondo, Tomoyuki Sasaki, Moritsugu Sakamoto, Masato Suzuki, Hiroshi Ono, Nobuhiro Kawatsuki
- 2Pd040 Promotion of liquid advancement in UV nanoimprinting: Similarity effect of polymerizable functional groups of monomers and adhesive agents
Ryota Inagawa, Akiko Onuma, Hiromasa Niinomi, Tomoya Oshikiri, Masaru Nakagawa
- 2Pc041 Fine pattern formation of poly(vinyl acetate) utilizing consecutive nucleophilic acyl substitution reactions during development process
Shiori Hidehira, Toshiyuki Oyama
- 2Pd042 Photopatterning of polyimide films containing epoxy resins using photobase generators and base amplifiers
Taku Furukawa, Daisuke Aoki, Koji Arimitsu
- 2Pc043 Photosensitive properties of polysiloxane resins with a photobase generator
Yuga Morikawa, Eisuke Iizuka, Mitsuhito Suwa, Daisuke Aoki, Koji Arimitsu
- 2Pd044 Thermal stability and photoorientation of N-benzylideneaniline liquid crystal copolymer films with N-(4-phenylbenzylidene)aniline
Shoma Shirata, Mizuho Kondo, Nobuhiro Kawatsuki
- 2Pc045 Creation of Chiral Amorphous Molecular Materials
Daiki Arata, Ouki Takesita, Yen Fu Teoh, Hideyuki Nakano
- 2Pd046 Thermal curing of polysiloxane films using chain curing agents after photopatterning
Yukai Ito, Yoshitaka Hirai, Kenyu Sugita, Nobuhiro Ishikawa, Daisuke Aoki, Koji Arimitsu
- 2Pc047 Photocontrol of polyurethane foams formation using photobase generators and base amplifiers
Gashin Okamura, Daisuke Aoki, Koji Arimitsu
- 2Pd048 Delayed UV adhesion at room temperature by anionic photopolymerization of episulfide

Nanami Inoue, Tomoki Hirata, Daisuke Aoki, Koji Arimitsu

- 2Pc049 Visible light induced radical curing of multi-functional acrylates using charge transfer complex as a photoinitiator
Keigo Hayashi, Daisuke Aoki, Koji Arimitsu
- 2Pd050 Regulation of thermoresponsive behavior of thermochromic polymer blend by incorporating branched chain PCL
Takayuki Hirai, Konomi Yamashita, Ko Kugimoto, Kazuhiko Umemoto
- 2Pc051 Chiral Photomechanical Behaviors of Azobenzene-Based Molecular Glass Particles Fixed in Chiral Hydrogels
Yoshiki Aomatsu, Motona Matsubara, Hiroyasu Ukai, Masahiro Kuragano, Yutaka Ohseido, Kiyotaka Tokuraku, Hideyuki Nakano
- 2Pd052 Development of High Refractive Index Semi-aromatic Polythioethers with Dithiane and Triazine Units
Takanori Fukuchi, Keita Watanabe, Takumi Nagasawa, Shinji Ando, Mitsuru Ueda, Tomoya Higashihara
- 2Pc053 Oxygen binding of polymer salcomine including azobenzene portions with thermally stable Z formation
Naoki Ito, Takayuki Suzuki
- 2Pd054 Ligand exchange and characterization of CsPbBr₃ perovskite QDs using equilibrium state
Shion Kaneko, Moriya Kikuchi, Kazushi Enomoto, Seigou Kawaguchi
- 2Pc055 Acetal Deprotection Properties of Dissolution Inhibitors and Resist Sensitivity by PEB in Chemically Amplified Three-Component Novolac Resists
Katsuaki Takashima, Hideo Horibe
- 2Pd056 Measurement of Metallic and Polymeric Materials by Liquid Crystal Laser Ultrasonics
Ryoji Masuzawa, Van Khoa Le, Yumiko Naka, Takeo Sasaki
- 2Pc057 Development of photorefractive liquid crystal materials with high sensitivity and fast response
Ryouta Machida, Van Khoa Le, Yumiko Naka, Takeo Sasaki
- 2Pd058 Synthesis and Depolymerization of Poly(olefin sulfone)s Containing Photo-base Generators
Jun Kobayashi, Van Khoa Le, Yumiko Naka, Takeo Sasaki
- 2Pc059 Fabrication of Modules using Organic Solar Cells with Non-fullerene Acceptors for Water Electrolysis
Juri Hayashi, Atsushi Aoki
- 2Pd060 Polymer Electrolytes for Solid-State Lithium-Ion Batteries by Complexation of Carboxylate-based SIC Polymers and Ionic Liquids
Dongwook Kim, Shizuka Okada, Hideto Nakajima, Daisuke Inokuchi, Jinkwang Hwang, Izumi Yamada, Takeshi Abe, Makoto Ouchi, Kazuhiko Matsumoto, Naoki Inui
- 2Pc061 Functionalized-PEDOT modified electrodes for efficient hydrogen evolution reaction
Hsun-Hao Lin, Shyh-Chyang Luo
- 2Pd062 In situ observation of lithium dendrites in solid polymer electrolyte/ Li cell
Shun Kumai, Kento Kimura, Yoichi Tominaga
- 2Pc063 Reversible Hydrogenation of Polymer Bearing Nitrogen-containing Hydrogen Storage Site
Hiroyuki Odaki, Yusuke Kaiwa, Kenichi Oyaizu
- 2Pd064 Effects of Polymer Side Chain on Ion Transport Properties of Gel Electrolytes Containing High Concentration Li Salt Solution
Yukako Konishi, Hisashi Kokubo, Kaoru Dokko
- 2Pc065 Synthesis of redox polymers capable of binding to gold electrodes
Saki Tsunoda, Haoxuan GUO, Hiroyuki Aota

- 2Pd066 Synthesis of polymers with tunable energy levels for application in organic electronics materials
Hiroto Miyatake, Haoxuan Guo, Hiroyuki Aota
- 2Pc067 Exciton properties of fused-ring π conjugated polymers in solution
Yuki Sato, Kei Motozawa, Tsubasa Mikie, Itaru Osaka, Hideo Ohkita
- 2Pd068 Construction of Stable Impedance and highly-passivated Interphase for LiNMC Cathode by Using Boron Containing Electrolytes
Zhaohan Liu, Noriyoshi Matsumi
- 2Pc069 Charge Generation Dynamics at Polymer/Fullerene Interface with Energy Level Cascades
Kazuma Kato, Itaru Osaka, Hideo Ohkita
- 2Pd070 Ion transport and solution behavior of alternating polyanion Li salts in nonaqueous solvents
Hiroki Nakagaki, Shinji Kondou, Kaoru Dokko, Masayoshi Watanabe, Kazuhide Ueno
- 2Pc071 Perovskite Solar Cells Using Conjugated Polymers as Hole Transporting Materials (III) -Application of Self-doped Polymers-
Yui Sashida, Masahiro Fujita, Yuko Takeoka, Masahiro Rikukawa
- 2Pd072 N,S co-doped carbon derived from porous organic polymer for ultra fast charging applications in Li-ion batteries
Saibrata Punyasloka, Noriyoshi Matsumi
- 2Pc073 Analysis of redox reaction of viologen polymers by infrared spectroelectrochemical measurements.
Yuki Nako, Yasushi Maeda, Atushi Matsumoto, Shinji Sugihara
- 2Pd074 Fast Charging N-Doped Carbon Anodes Derived from BIAN Based n-Type POP for Lithium-ion Full-cell
Bharat Srimitra Mantripragada, Noriyoshi Matsumi
- 2Pc075 Synthesis of Polymeric Active Materials with Combined Solubility and Energy Density for Redox Flow Battery Electrolyte
Kohei Ishigami, Kenichi Oyaizu
- 2Pd076 Fast charging performance of Li ion secondary batteries fabricated using cafe acid based polymer binder and bio-based hard carbon
Kottisa Sumala Patnaik, Yuki Tanaka, Anusha Pradhan, Kenji Takada, Tasuo Kaneko, Noriyoshi Matsumi
- 2Pc077 Synthesis of semiconducting polymers with bending structures suited for stretchable organic photovoltaics
Teruma Mikata, Tomoya Higashihara
- 2Pd078 Preparation and evaluation of concentrated electrolytes using ion conductive polymers
Yoshifumi Hirotsu, Shuho Akakabe, Yuko Takeoka, Masahiro Rikukawa, Masahiro Fujita
- 2Pc079 Preparation and characterization of stretchable electrode using liquid metal and ionic liquids
Hikaru Fujimoto, Natsuka Usami, Moeka Kanto, Yuki Ota, Kaoru Dokko, Masayoshi Watanabe, Kazuhide Ueno

D. BIOPOLYMERS AND BIORELATED POLYMERS

- 2Pc081 Fabrication of Apparatus Specializes for Measuring the Elasticity of Perioral Tissues for Orthodontics Treatment
Junya Kobayashi, Ryo Takemoto, Kojiro Takahashi, Yuko Oomori, Isao Saito, Mika Kawai, Tetsu Mitsumata
- 2Pd082 3D food printing and multicolor printing based on thermal solidification of thickened polysaccharides by laser irradiation
Koki Fujiwara, Jun Ogawa, Yosuke Watanabe, Shiblee MD Nahin Islam, Hidemitsu

Furukawa

- 2Pc083 Peptide-lipid hybrid vesicle preparation by adding amphiphilic polypeptide into general liposome
Motoki Ueda, Mohammed Abosheasha, Yoshihiro Ito
- 2Pd084 Effect of Counter Ions on the Swollen Structure of Arsenocholine-type Polymer Brush
Takumi Komiya, Raita Goseki, Motoyasu Kobayashi
- 2Pc085 Construction of artificial cell membrane hybrid inorganic nanoparticles
Tatsuhiko Yokoyama, Hiroyuki Harada, Shin-ichi Sawada, Kazunari Akiyoshi, Yoshihiro Sasaki
- 2Pd086 Supramolecular Peptide Hydrogels with Thermally Irreversible Responses
Motoka Shimizu, Noriyuki Uchida, Jakuei Fu, Takahiro Muraoka
- 2Pc087 Michael-addition reaction of methacrylic acid ester having phosphorylcholine groups with alkanethiols and their functional evaluation
Ami Sugimoto, Yuta Yoshizaki, Tomohiro Konno
- 2Pd088 Search for probe liposomes to observe the surface of phase-separated lipid membranes.
Yuto Sugano, Junji Horike, Kento Akiyama, Toshiaki Mori
- 2Pc089 Preparation of chitosan nanohybrid film containing glycosaminoglycan
Takuharu Shimizu, Hiroki Kajiwara, Toshiaki Mori
- 2Pd090 Construction of Molecular Conjugation for Biomembrane Particles using High-Purity Microwaves
Yuchen Sha, Yunting Ma, Ryousuke Mizuta, Hikaru Takaya, Yoshihiro Sasaki, Kazunari Akiyoshi
- 2Pc091 *E. coli* Inactivation Ability of Self-Propelled TiO₂ Coated Polymer-Based Tubular Micromotors
Yuma Sakai, Teruyuki Komatsu
- 2Pd092 Synthesis of Polymer-Based Tubular Micromotors Capable of Transporting Liposomes and Drug Release
Saki Batori, Teruyuki Komatsu
- 2Pc093 Self-assembly of maltooligosaccharide-block-solanesol in solution
Weeranuch Lang, Tomohisa Watanabe, Feng Li, Takuya Yamamoto, Kenji Tajima, Kenji Takahashi, Takuya Isono, Toshifumi Satoh
- 2Pd094 Preparation of thermoresponsive nanoparticles composed of sulfobetainepolymers and evaluation of their thermoresponse
Hodaka Hara, Shin-ichi Yusa
- 2Pc095 Preparation of core-corona type particles around body temperature by 3-armed PCL.
Yaeki TACHIOKA, Syuuhei KOMATSU, Akihiko KIKUCHI
- 2Pd096 Preparation of L-serine-modified block copolymer-based nanoparticles with narrow size distributions for targeting renal cells.
Chinatsu OTSUKA, Shuhei KOMATSU, Yoshitsugu AKIYAMA, Akihiko KIKUCHI
- 2Pc097 Development of Filamentous Virus-Based Composite Membrane for CO₂ Separation
Yu-Ju Huang, Shoma Aki, Yu Hoshino, Toshiki Sawada
- 2Pd098 Phase Separation Behavior of Zwitterionic Polymer Aqueous Solutions
Haruna Shiroy, Saya Maeda, Yuji Higaki
- 2Pc099 Microphase Separation Behavior of Saccharides / Zwitterion Double Hydrophilic Block Copolymer Concentrated Aqueous Solutions
Miyuka Tateyama, Saya Maeda, Yuji Higaki
- 2Pd100 Impact of charge spacer in sulfobetaine to phase separation of double zwitterionic block copolymers
Yuri Mitsunobu, Yuji Higaki, Yasuhiro Eguchi

Presentation Time
<e = 15:15~15:55>
<f = 15:55~16:35>

A. POLYMER CHEMISTRY: SYNTHESIS AND REACTIONS

- 2Pe001 Chemoselective anionic polymerization of di(meth)acrylate by Lewis pair catalyst
Masatoshi Deshimaru, Shinichi Matsuoka
- 2Pf002 Synthesis of thermally stable poly(meth)acrylates bearing norbornadiene dimer and application to thermoplastic elastomers
Miona Iwai, Shin-ichi Matsuoka
- 2Pe003 Living Anionic Polymerization Using C-H Bonds as Dormant Species via Combination of Redox Reaction with Photoredox Catalysts
Haruyuki KATADA, Katsutoshi SAGAWA, Hironobu WATANABE, Mineto UCHIYAMA, Masami KAMIGAITO
- 2Pf004 Bulk Anionic Polymerization of Alkyl Sorbate by N-Heterocyclic Carbene
Tomoya Ueyasu, Akinori Takasu
- 2Pe005 Copolymerization of isocyanate and acrylate using a single monomer
Ryota Uchida, Akinori Takasu
- 2Pf006 Anionic Polymerization of Acrylates in Polar Solvents by Carboxylate Salts with Aluminum Lewis Acid
Yuji Namie, Takuo Sone, Masashi Shimakage, Yasuhiro Kohsaka
- 2Pe007 Controlled Cationic Polymerization utilizing Redox-Mediated Chalcogen Bonding Interaction
Koji Takagi, Shuhei Hayashi
- 2Pf008 Cationic Polymerization from Various Alcohol Initiators Using Tellurium-Based Chalcogen Bonding Catalyst.
Yukihito Fujiwara, Koji Takagi
- 2Pe009 Photoinduced Cationic RAFT Polymerization of Vinyl Monomers by Non-Ionic Photoredox Catalysts
Akiho SHIMADA, Shinnosuke NAKAYAMA, Hironobu WATANABE, Mineto UCHIYAMA, Masami KAMIGAITO
- 2Pf010 Cationic polymerization of vinyl ethers using cyclic acetal-containing polymers as macroinitiators
Kosuke Nomura, Sadahito Aoshima, Arihiro Kanazawa
- 2Pe011 Cationic Copolymerization of Spiroorthoesters with Vinyl Ethers
Kota Yamamoto, Sadahito Aoshima, Arihiro Kanazawa
- 2Pf012 Cationic terpolymerization of vinyl ethers, styrenes, and aromatic aldehydes
Kaoru Sugai, Sadahito Aoshima, Arihiro Kanazawa
- 2Pe013 Cationic Ring-Opening Copolymerization of Cyclic Esters and 1,3-Dioxolan-4-ones
Manami Banno, Sadahito Aoshima, Arihiro Kanazawa
- 2Pf014 Ring-Opening Polymerization of Glycerol-Derived Cyclic Acetals
Yusaku Tajima, Risa Fujita, Riko Kashima, Tomohiro Kubo, Kotaro Satoh
- 2Pe015 Precise synthesis of PLA-based block copolymer with acid-base catalyst, preparation of tough polylactic acid and evaluation of its physical properties and structures
Takada Koichi, Shiori Yano, Akinori Okada, Kosaku Tao, Hiroshi Hirano, Joji Kadota
- 2Pf016 Facile Synthesis and Systematic Characterization of Fluorinated Polyesters via Alternating Copolymerization of Epoxides and Cyclic Anhydrides
Chun-Yao Ke, Takuya Isono, Feng Li, Takuya Yamamoto, Guey-Sheng Liou, Toshifumi Satoh

- 2Pe017 Preparation of Degradable Hollow Polymer Particles by Interfacial Photoinduced Cycloaddition Polymerization in Aqueous Heterogeneous Systems
Misato Yamashita, Yukiya Kitayama, Eiji Yuba, Atsushi Harada
- 2Pf018 Synthesis of Block Copolymers by Combination of Step-Growth and Chain-Growth Click Polymerization
Yuta Yamazaki, Seiichiro Uchida, Tomohiro Kubo, Kotaro Satoh

B. POLYMER PHYSICS: STRUCTURE AND PROPERTIES

- 2Pf020 Fracture behavior of recycled polypropylene
Poei Yano, Takahiko Kawai, Hiroki Ogawa, Haruki Kubo, Keiichi Shirasu, Masaki Takata, Kenichi Niihara, Asami Imai
- 2Pe021 Effect of linker structure on microphase separation of sugar-terpenoid hybrid materials
Chaehun Lee, Takuya Yamamoto, Borsali Redouane, Kenji Tajima, Toshifumi Satoh, Takuya Isono
- 2Pf022 How should we understand strain-induced crystallization of polymer networks?
Masatoshi Tosaka
- 2Pe023 Multi-Phase Transition of Anthracene Derivative Crystals for Sensing Thermal Stimulation
Yuto Hino, Takumi Matsuo, Shotaro Hayashi
- 2Pf024 The effect of annealing and molecular weight on the crack propagation of PC
Takayuki Yoshida, Shotaro Nishitsuji, Hiroshi Ito
- 2Pe025 Visualization of marine degradation process of poly(3-hydroxybutyrate) by Raman spectroscopy
Yuma Yamada, Harumi Sato
- 2Pf026 Formation of Stereocomplex Crystals in Poly(L-lactide)/Poly(D-lactide) Sheath/Core and Sea/Islands Bicomponent Fibers through Laser-Heated Melt Electrospinning and Subsequent Annealing Processes
Zongzi Hou, Haruki Kobayashi, Katsufumi Tanaka, Wataru Takarada, Takeshi Kikutani, Midori Takasaki
- 2Pe027 Study on crystal structure and Brill transition of polyamide 6 using low-frequency vibrational spectroscopy
Jiacheng Gao, Harumi Sato
- 2Pf028 Study on Deformation Behavior of Crystalline Polymers during Elongation Using Nano-Palpatation Atomic Force Microscopy
Kota Yagi, Makiko Ito, Xiaobin Liang, Ken Nakajima
- 2Pe029 Effects of copolymerization with various α -olefins on the mechanical properties of poly-(4-methyl-1-pentene)
Hiromu Hasegawa, Asae Ito, Koh-hei Nitta, Yusuke Hiejima, Shuhei Ogata, Youhei Houtani, Masahiko Okamoto
- 2Pf030 Scanning probe microscope observation of carbon nanotube(CNT) network in nitrile rubber/ CNT composite materials.
Yo Hattori, Mayu Hara, Yoshihiko Yamaguchi, Masaya Ohcho, Tetsuya Uchida
- 2Pe031 A chain structure and mechanical properties of hot-pressed amorphous polymer
Aya FUJIMOTO, Ayumi HAMADA, Keiko IDETA, Tsubasa OJI, Genki MATSUURA, Ken OBAYASHI, Ken KOJIO
- 2Pf032 Formation Mechanism of Polymer Ring-Banded spherulites by Polarized Raman Spectroscopy.
Koichi Matsuo, Yasushi Maeda, Atsushi Matsumoto, shinji Sugihara
- 2Pf034 Development of a rapid protein phase diagram preparation method using an ink-jet apparatus
Satoshi Masunaga, Satoshi Watanabe, Masashi Kunitake

C. FUNCTIONAL POLYMERS AND POLYMER FUNCTIONS

- 2Pf036 Preparation and characterization of oxide / anion exchange composite membranes
Kaito Tsujii,Kenji Miyatake
- 2Pe037 Ion transport properties of gel polymer electrolytes composed of highly concentrated electrolytes and nitrile-polymer matrix
Yusuke Isogai,Hisashi Kokubo,Kaoru Dokko
- 2Pf038 Effect of metal oxide addition in sulfonated polyphenylene membranes.
Haruka Tanibayashi,Kenji Miyatake
- 2Pe039 Preparation and characterization of gel polymer electrolytes with homogeneous network of acrylate polymers.
Riko Sakakieda,Kazuki Miyagawa,Hisashi Kokubo,Kaoru Dokko
- 2Pf040 Physicochemical properties of composite solid polymer electrolytes obtained by mechanical kneading
Yoshihiro Yazawa,Kento Kimura,Yoichi Tominaga
- 2Pe041 Electrochemical properties of non-platinum catalyst using poly(aza iron phthalocyanine) derivatives containing carbon black
Noriko Haiya,Atsushi Ogita,Tsukasa Ichikawa,Iduru Kobayashi,Nobukatsu Nemoto,Kotaro Yoshioka,Syota Tanaka,Yuki Sakamoto,Masaji Akimoto
- 2Pf042 Synthesis and Evaluation of Novel Anion Conductive Polymers Oriented for Water Electrolysis Dry Cathode Operation
Syuhei Koyama,Yuri Nara,Kensaku Nagasawa,Yoshiyuki Kuroda,Shigenori Mitsushima,Hiroyoshi Kawakami,Manabu Tanaka
- 2Pe043 Preparation of the non-platinum catalysts derived from iron phthalocyanine derivatives with controlled carbon ratio by addition of carbon black
Tatsumi Sasaki,Yuta Nakazato,Tsukasa Ichikawa,Iduru Kobayashi,Nobukatsu Nemoto,Kotaro Yoshioka,Syota Tanaka,Yuki Sakamoto,Masaji Akimoto
- 2Pf044 Development of a flexible fuel cell using graphene-based free-drawing solid ink
Takunori Kudo,Tetsu MITSUMATA,Norio TSUBOKAWA,Takeshi YAMAUCHI
- 2Pe045 Synthesis and baking of amide bond-containing cobalt phthalocyanine composites with heterocyclic structures
Yuta Nakazato,Tatsumi Sasaki,Tsukasa Ichikawa,Iduru Kobayashi,Nobukatsu Nemoto,Kotaro Yoshioka,Syota Tanaka,Yuki Sakamoto,Masaji Akimoto
- 2Pf046 Study of relationship between viscoelasticity and dielectric relaxation of polycarbonate-type solid polymer electrolytes
Kento Kimura,Mana Suzuki,Masayoshi Takano,Yoichi Tominaga
- 2Pe047 Fabrication and fuel cell property evaluation of composite electrolyte membranes consisting of novel polymer nanofibers bearing oxadiazole backbone
Hiroki Mizuta,Tadashi Tsukamoto,Yuji Shibasaki,Manabu Tanaka,Hiroyoshi Kawakami
- 2Pf048 Effects of cross-linking density on proton conductivities of cross-linked poly(styrene-co-4-styrenesulfonic acid) membranes
Namiki Mishima,Takato Kajita,Atsushi Noro
- 2Pe049 Effects of Membrane Thickness of Polymer Nanofiber Composite Electrolyte Membranes on Proton Conductivity
Akari Tatsukawa,Masafumi Yamato,Hiroyoshi Kawakami
- 2Pf050 Development of graphite negative electrodes for solid polymer electrolyte-based battery
Nana Takei,Kento Kimura,Yoichi Tominaga
- 2Pe051 Fabrication of High Proton-Conductive Electrolyte Membranes with Phosphorylated Cellulose Nanofibers for LT-PEFC
Yoshimasa Matsuo,Akito Masuhara
- 2Pf052 Development of cellulose gas barrier PEM and evaluation of chemical durability
Masamichi Nishihara,Yang I,Zulfi Gautama,Stephen Lyth,Kazunari Sasaki

- 2Pe053 Densely Imidazolium Functionalized Water Soluble Poly(ionic Liquid) Binder for Carbon Anode in Metal-Ion Batteries
Amarshi Patra,Noriyoshi Matsumi
- 2Pf054 Rheological characterization of aqueous anode slurries for solid polymer electrolyte-based lithium-ion batteries
Mana Suzuki,Kento Kimura,Ryuta X. Suzuki,Masayoshi Takano,Yuichiro Nagatsu,Yoichi Tominaga
- 2Pe055 Development of latent heat storage material particles using Y-shaped polymers derived from poly(lactic acid) and poly(stearyl methacrylate)
Kengo HAYASE,Daisuke HASEGAWA,Tsuyoshi ANDO,Hiroharu AJIRO
- 2Pf056 The Effects of Particle Volume Fraction on the Colloidal Crystallization of Thermosensitive Microgel Dispersions
Reina Ota,Hiroki Takeshita,Takumitsu Kida,Katsuhisa Tokumitsu
- 2Pe057 Preparation of pH-responsive polymer particles
Sari Usuda,Shin-ichi Yusda
- 2Pf058 Hybrid formation of chiral supramolecular nanofibers with termini-ionized polymer
Mako Otsuki,Kenji Kawamoto,Yutaka Kuwahara,Hiroataka Ihara,Makoto Takafuji
- 2Pe059 Fabrication and Evaluation of Chitosan Nanofibers for Preventing Aged Body Odor
Koki Mitsunashi,Takeru Hongo,Hironori Iwamatsu,Yosuke Okamura
- 2Pf060 Fabrication of chitosan nanofibers using centrifugal spinning
Keigo Nakao,Kenji Kinashi,Wataru Sakai,Naoto Tsutsumi
- 2Pe061 Nanocellulose Extraction from Soybean Okara with Ammonium Persulfate
Teruto Nagashima,Daichi Kobayashi,Yu Maekawa,Masaya Mitsuishi
- 2Pf062 Thin Film Preparation of Cellulose Nanofibers from Tunicate
Ryohei Kusumi,Shunsuke Murai,Daichi Kobayashi,Yu Maekawa,Masaya Mitsuishi
- 2Pe063 Fabrication and Characterization of Biodegradable Microspheres Containing Crustacean Peptide Hormone
Sadako Fukuda,Rintaro Suwa,Hayato Yokose,Toru Kutami,Hana Saito,Tsuyoshi Ohira,Hidekazu Katayama,Yosuke Okamura
- 2Pf064 Desing of Drug-loaded Nanolayers via Dynamic Covalent Bonding and Evaluation of The Drug Release Behavior
Nanami Fujisawa,Lili Chen,Mitsuhiro Ebara
- 2Pe065 Preparation of Ellipsoidal Polyimide Particles and Their Properties
Akiko Nakahashi,Hideki Tachi
- 2Pf066 Fabrication of Nonspherical Mesoporous Silica Dispersions Using Polymer Microparticles as Template and Their Characterization
Noriko Yokemura,Hayato Yokose,Masashi Higuchi,Yosuke Okamura
- 2Pe067 Optical property of zinc oxide formed in-situ of chiral silica
Shunpei Yoshimori,Ren-Hua Jin
- 2Pf068 Fabrication of Water-Repellent Porous Nanosheet for Long-Term Live Imaging of Zebrafish
Yusuke Fujimura,Rai Uchida,Kosuke Mitsui,Konoha Shiratori,Takuto Aoki,Hiroaki Mitsunashi,Yosuke Okamura
- 2Pe069 Development and function of inorganic supramolecular polymers via one-dimensional self-assembly of nanosheets
Natsuko Ueno,Tomoki Nishimura,Yasuo Ebina,Takayoshi Sasaki,Koki Sano
- 2Pf070 Control of transition temperature of thermoresponsive graphene oxides by tuning their counteranions
Shoma Kondo,Tomoki Nishimura,Yuta Nishina,Koki Sano

- 2Pe071 Development of 1D and 2D wave structures of nanosheets
Shota Hoshi, Yasuo Ebina, Takayoshi Sasaki, Yasuhiro Ishida, Koki Sano
- 2Pf072 Synthesis and properties of iodine-containing polymer for developing higher-sensitive EUV resist material.
Manami Igarashi, Hiroto Kudo
- 2Pe073 Development of non-chemically amplified molecular resist materials with pendant sulfonium salts.
Yumeki Suzuki, Hiroto Kudo
- 2Pf074 Controlling morphological property of silicon nanodisks via trimming imprint resists
Naoki Takano, Hiromasa Niinomi, Masaru Nakagawa
- 2Pe075 Fabrication of Oriented Nanofibers and Functional Emergence using Morphological Changes triggered by External Stimuli
Takeru Hongo, Hironori Iwamatsu, Hayato Yokose, Yosuke Okamura
- 2Pf076 Thermal Properties of Polymer/Single-Walled Carbon Nanotube Nanofiller Composite Film
Minoru Higuchi, Uchida Tetsuya
- 2Pe077 Preparation of crystalline polyimide nanofiber by using solution crystallization and their applications in composite films.
Ryota Ninomiya, Satoshi Matushima, Toshiyuki Goshima, Tetsuya Uchida

D. BIOPOLYMERS AND BIORELATED POLYMERS

- 2Pe079 Wound healing effect of chitosan-micelles hybrid gel sheets: evaluation by circular resection wounds on back skin in rats
Ryosuke Wakao, Kenta Owaku, Tomoaki Murakami, Yoshihiko Murakami
- 2Pf080 Development of polysaccharide sheets that adhere to tissues by introducing cell-adhesive peptides
Amon Koizumi, Yoshihiko Murakami
- 2Pe081 Thermal sol-gel transition of chitin oligosaccharides and their molecular assembly states
Yuuya Nagaoka, Takuya Isono, Ayumu Izutsu, Takeshi Hattori, Taiichi Usui, Makoto Ogata, Hiroyuki Kono
- 2Pf082 Antioxidant mechanism of polysaccharides by electron spin resonance
Hiroyuki Kono, Hideyuki Hara
- 2Pe083 Fabrication of natural silk/cellulose nanofiber composite film using water system process
Shinnosuke Iwaya, Yui Tsuji, Keiji Numata
- 2Pf084 Preparation of drug-containing films using modified guar gum and their sustained release behavior
Shuto Kataoka, Takumi Okihara, Mariko Nakamura
- 2Pe085 Controlled Complexation of Protein Pharmaceuticals into Nanogels Cross-linked Gels by High Purity Microwave Irradiation
Yunting Ma, Yoshihiro Sasaki, Hikaru Takaya, Kazunari Akiyoshi
- 2Pf086 Evaluation of bioactivity of polysaccharide-nucleic acid complexes by Dectin-1 expression level
Sota Yoshitake, Kazuki Sumiya, Hiroto Izumi, Kazuo Sakurai
- 2Pe087 Development of biofunctional glycopolymer based on the polymer library preparation by PET-RAFT and machine
Yoshiko Miura, osuke nakahara, Takeshi Uemura, Masanori Nagao, Hikaru Matsumoto
- 2Pf088 Enzymatic synthesis of 2-deoxy- β (1 \rightarrow 3)-glucan using β -1,3-glucan phosphorylase
Hayato Ishii, Tao Takagaki, Masayasu Totani, Jun-ichi Kadokawa

- 2Pe089 Synthesis of Gb3 Glycomimetic Polymers using thiolactone
Koushirou Tanaka, Tomohiro Fukuda
- 2Pf090 Development of collagen-based biodegradable double network hydrogels for 3D cell bioprinting under atmospheric condition
irno kamada, daisuke tomioka, michiya matsusaki
- 2Pe091 Control of cell spheroid function by polysaccharide fiber matrix
Hibiki Sakata, Yoshihiro Sasaki, Shunya Hayashi, Naoya Kinoshita, Hiroyuki Harada, Kazunari Akiyoshi
- 2Pf092 One-pot synthesis of interpenetrating polymer network (IPN) gels composed of hyaluronic acid and self-assembled peptides for tissue engineering scaffolds.
Soramu Kaneko, Ami Yamamura, Hidenori Otsuka
- 2Pe093 Structural Analysis and Evaluation of Properties of Hornet Silk Materials for Tissue Engineering Applications
Rikako Hama, Yusuke Kambe, Taiyo Yoshioka, Shota Akioka, Tsunenori Kameda, Yasumoto Nakazawa
- 2Pf094 Self-healing interpenetrating polymer network gels formed by dynamic cross-linking network of hyaluronic acid and self-assembling peptides
Hidenori Otsuka, Ami Yamamura, Shigehito Osawa
- 2Pe095 Design of Oligoethylene Glycol-Based Multipoint Crosslinker and Structural Stabilization of Gelatin Gels
Hidenori Otsuka, Airi Wakai, Shigehito Osawa
- 2Pf096 Application study of alkylated polyvinyl alcohol for cell processing
Erika YOSHIHARA, Kimio SUMARU
- 2Pe097 Novel engineering exosomes fusing mesenchymal stem cell-derived exosomes and biodegradable polymer nanoparticles
Naoya Hasegawa, Masahiro Yoshioka, Kiyoshi Sato, Hiroyoshi Kawakami
- 2Pf098 Preparation of Magnetic-Nanoparticle Cross-Linked PEG-Gels for Cell Mechanobiology
Ayano Ogawa, Nanami Kuwahara, Yutaro Arai, Ryo Inoue, Masao Kamimura
- 2Pe099 Fabrication of self-healing poly(γ -glutamic acid)/ poly(vinyl alcohol) hydrogels
Kanako Sakai, Yu-I Hsu, Akihito Sugawara, Hiroshi Uyama
- 2Pf100 Preparation of Photothermal Polymer Micelles Introduced Gels for Near-Infrared Light Responsive Cell Culture Substrate
Yuto Chiba, Yu Ochiai, Tomoki Iwashita, Nanami Kuwahara, Masao Kamimura

Fri. Jun 7

Presentation Time

<a = 10:15~10:55>

<b = 10:55~11:35>

A. POLYMER CHEMISTRY: SYNTHESIS AND REACTIONS

- 3Pa001 Study on the Polymerization Initiating Ability of Alkylborane with High Air Stability
Shuichi Kanno
- 3Pb002 Polymerization of Methyl Methacrylate Initiated with Some Kinds of Imidazolium Ionic Liquids with 1-Ethyl-2,3-dimethylimidazolium Cation
Shuichi Kanno
- 3Pa003 Polymerization of Various Vinyl Monomers Using Trialkylborane as an Initiator
Shuichi Kanno
- 3Pb004 Polymerization Behavior of Some Kinds of Vinyl Monomers Using Various 1-Ethyl-3-methylimidazolium Type Ionic Liquids as Initiators
Shuichi Kanno
- 3Pa005 Synthesis and Radical Polymerization of Novel Vinylpyrrolidone Monomer

Derived from Itaconic Acid

Shione KURITA, Tatsuya HATTORI, Shoki YOSHIMURA, Hironobu WATANABE, Mineto UCHIYAMA, Masami KAMIGAITO

- 3Pb006 Radical Polymerization of Thioamides with Various Substituents for the Synthesis of Sulfur-Containing Polymers with Selective Degradability and Special Structures
Toshiki IIDA, Yunosuke NAKACHI, Taiki ISODA, Hironobu WATANABE, Mineto UCHIYAMA, Masami KAMIGAITO
- 3Pa007 Precision Polymer Synthesis by Cascade from Living Radical Polymerization to Reduction of Pendant Groups Catalyzed by (PNNP)Ir Complexes
Ryoga HIRATA, Koki SAKAI, Masato IMAI, Chihaya MURATA, Hironobu WATANABE, Mineto UCHIYAMA, Naoki NOTO, Susumu SAITO, Masami KAMIGAITO
- 3Pb008 Synthesis of Methacrylate-Styrene Alternating Copolymers with Various Substituents and Evaluation of Sequence-Specific Bulk Properties
Haruto Nitanda, Tamaki Kondo, Makoto Ouchi
- 3Pa009 Synthesis of Alternating Copolymers Composed of Acrylamide and Hydroxy-Pendant Monomer and Sequence-Specific Properties
zhengzhao jiang, makoto ouchi
- 3Pb010 Influence of penultimate effects on chain transfer constant in radical copolymerization
Rikuta Otomo, Moriya Kikuchi, Seigou Kawaguchi
- 3Pa011 Radical Polymerization of Plant-derived Conjugated Diene Ester Derivatives
Ryoichi Sawano, Yasunobu Isobe, Tomohiro Kubo, Kotaro Satoh
- 3Pb012 Synthesis of Functional Bio-Based Polymers by Radical Polymerization of Itaconic Anhydride
Nanaho Kabuki, Shiho Tanizaki, Tomohiro Kubo, Kotaro Satoh
- 3Pa013 Synthesis and Polymerization of Cyclic Vinyl Monomer Derived from Bio-based Hydroxycarboxylic acid through One-Pot Synthesis Using Acyl- and Conjugate-Substitution Reactions
Taichi Yoshida, Natumi Nishiie, Yasuhiro Kohsaka
- 3Pb014 Suspension polymerization of dehydroaspirin and its derivatives in an aqueous medium
Hanae Torisawa, Yasuhiro Kohsaka
- 3Pa015 Effect of "On-water" on radical polymerization
Yusaku Kambe, Riki Akita, Tomoko Koyama, Shin-ichi Matsuoka
- 3Pb016 Structural characteristics and photo-induced radical polymerization of natural deep eutectic monomers
Reina SHINOHE, Hideharu MORI
- 3Pa017 Green synthesis and radical polymerization process of deep eutectic monomers based on N-vinylacetamide/hydrogen bonding acceptor.
Katsumi Yoshida, Reina Shinohe, Shingo Yuki, Hideharu Mori
- 3Pb018 Synthesis of Main-chain Degradable Polymers by Radical Ring-Opening Miniemulsion Polymerization with Thiocarbonyl Compounds
Kaito Fuji, Yukiya Kitayama, Eiji Yuba, Atsushi Harada
- 3Pa019 Investigation of photo-depolymerization polymers in hindered phenyl methacrylate derivatives
HEEYOL CHOI, Daisuke Aoki, Koji Arimitsu
- 3Pb020 Synthesis and properties of fluorine-containing polyacrylates with cyclic units
Haruka Kobayashi, Kanae Nagai, Fumiya Sato, Masaru Kondo, Tomohiro Agou, Hiroki Fukumoto
- 3Pa021 Synthesis and radical polymerization of optically active [3.n](3,9)carbazolophane derivatives having acrylate group
Asuka Jo, Miyuki Masaki, Kazushige Hori, Yuji Kinose, Yoshinobu Tsujii, Ayaka

Maeno,Hiroyuki Tanaka,Hironori Kaji,Yoshitane Imai,Keita Tani

- 3Pb022 Reaction Analysis for Surface-Initiated Controlled Radical Polymerization under High Pressure
Yuki Seike,Yuji Kinose,Yoshinobu Tsujii

B. POLYMER PHYSICS: STRUCTURE AND PROPERTIES

- 3Pb024 Liquid crystallinity of even-membered polyesters with functionalized mesogenic 4,4-benzoate units
Atsuya Kawamura,Gen-ichi Konishi
- 3Pa025 Effect of Fiber Length of Cellulose Nanofibers on Ordered Structure of Liquid Crystalline Epoxy Resin
Miku Kimura,Kantaro Nishio,Miyuki Harada
- 3Pb026 Thermal and mechanical properties and ordered structure of liquid crystalline cyanate ester/epoxy modified system
Kantaro Nishio,Miku Kimura,Miyuki Harada
- 3Pa027 Thermal and mechanical properties of epoxy/oligomeric cyanate ester
Tsubasa Miyauchi,Miyuki Harada,Nishiura Takao
- 3Pb028 Mechanism of thermoresponsive swelling properties of amphiphilic random copolymer hydrogels: Effect of monomer combinations and crosslinking structures
Asahi Jotatsu,Shohei Ida,Shokyoku Kanaoka
- 3Pa029 Effect of the hydrophilicity of crosslinkers on the structure of microgels
Kentaro Yamanaka,Yuichiro Nishizawa,Takayuki Uchihashi,Daisuke Suzuki
- 3Pb030 Development of AFM with strain-stress measurement device for evaluation of stretched polymer materials
Yuichiro Nishizawa,Feng-Yueh Chan,Masataka Uchida,Natsuki Watanabe,Yuma Sasaki,Daisuke Suzuki,Takayuki Uchihashi
- 3Pa031 The change in stretching and SIC behavior of natural rubber by adding lipids
Tomoaki Nakatsuka,Yui Tsuji,Hiroyasu Masunaga,Keiji Numata
- 3Pb032 Ordered structure and mechanical properties of random copolymers hydrogels composed of hydrophilic and hydrophobic monomers
Katsuhiko Yamamoto,Mihiro Inukai,Eri Ito
- 3Pa033 Viscoelastic law in homogeneous network structure polymer gels
Mitsuki Nagaura,Naoyuki Sakumichi,Takamasa Sakai
- 3Pb034 Improvements of Mechanical Properties of Tough Hydrogels with Entanglement of Polymer Chains by Structural Optimization
Midori Murakami,Akifumi Kawamura,Takashi Miyata
- 3Pa035 The relationship between elastic and swelling properties in polyacrylonitrile gels prepared by Freezing and Thawing Method
Yutaka Tanaka,Sho Nakajima,Natsuki Nakashima
- 3Pb036 Simulation Study of Adhesion and Delamination Behaviors of Cross-Linked Polymer Networks Using River-meander-curve Model
Katsumi Hagita,Takahiro Murashima,Tomohiro Miyata,Hiroshi Jinnai
- 3Pa037 Analysis of the relationship between the crosslinked structure and stress-strain curve of fluororubber using small angle neutron scattering method
Shin-ichirou Oka,Satoshi Koizumi
- 3Pb038 Effects of network structure on fracture behavior of gels: molecular simulation
Tsutomu Furuya,Tsuyoshi Koga
- 3Pa039 Hydrogel with stereo-controlled polymer network
Ning Li,Takayuki Nonoyama,Yasuhiro Kohsaka,Jian Ping Gong
- 3Pb040 Analysis of cross-link structure of catalyst-cured epoxy resin during curing process

Takeshi Kakara,Yasuyuki Shudo,Atsushi Izumi,Keiji Tanaka

- 3Pa041 4D processing of gels by laser irradiation
Sei Shoda,Tasuku Nakajima,JianPing Gong
- 3Pb042 Structure analysis of crosslinked multifunctional polybenzoxazine resins with phenylene-ethynylene groups by molecular dynamics simulation
Yasuyuki Shudo,Atsushi Izumi,Fumio Sanda
- 3Pa043 The effect of the charge of polymer side chain end functional group on the properties of the hydrogels
Riku Fukuoka,Yuka Wakayama,Takuma Kureha
- 3Pb044 Effects of pore size on freezing and thawing behavior of water in hydrogels
Yusuke Beni,Yurina Sekine,Takuya Nankawa,Tomoko Ikeda-Fukazawa
- 3Pa045 Humidity contribution to the meniscus splitting phenomenon in aqueous polyvinyl alcohol solutions
Reina Hagiwara,Kosuke Okeyoshi

C. FUNCTIONAL POLYMERS AND POLYMER FUNCTIONS

- 3Pa047 Gas transport properties of thermally rearranged copolybenzoxazole membranes with rigid main chains
Yuta Kuwabara,Tomoyuki Suzuki
- 3Pb048 Gas transport properties of novel copolybenzoxazole - silica hybrid membranes
Tensho Ito,Tomoyuki Suzuki
- 3Pa049 Synthesis of high gas-permeable halogen-containing diphenylacetylene polymer membranes
Toshikazu Sakaguchi,Hikari Yamada,Tamotsu Hashimoto
- 3Pb050 Structure-property relationship of thermally rearranged copolybenzoxazole membranes
Tomoyuki Suzuki
- 3Pa051 Effect of humidity on the gas permeability properties of polymer composite membranes containing surface-modified nanoparticles
Hiroshi Shingu,Masafumi Yamato,Hiroyoshi Kawakami
- 3Pb052 Mixed gas permeation measurement of surface-modified nanoparticle composite films and its simulation analysis
Kai Namiki,Masafumi Yamato,Hiroyoshi Kawakami
- 3Pa053 Material Properties of Polyimide for Noble Gas Filter (1)
Mina Amo,Toshinori Kawamura,Kiyomi Nakamura
- 3Pb054 Material Properties of Polyimide for Noble Gas Filter (2)
Tomohisa Suzuki,Hitomi Takahashi,Mina Amo
- 3Pa055 Fabrication of thermally cross-linked poly(methacrylic acid)-based sponges and their adsorption properties of copper ions
Kazuki Nakada,Yohei Kotsuchibashi
- 3Pb056 Analysis of adsorption of Cr(VI) ions on porous silica beads surface-modified with polyethyleneimines
Kota Morioka,Ayane Taki,Hiromichi Asamoto,Hiroaki Minamisawa,Kazunori Yamada
- 3Pa057 Control of inclusion behavior by controlling the rim structure of β -cyclodextrin derivatives.
Shoma Kusunoki,Reiko Saito
- 3Pb058 Effect of rim structure on inclusion of curcumin in γ -cyclodextrin derivatives
Kakeru Tanaka,Reiko Saito
- 3Pa059 Bacteria detection using polythiophene with dipicolylamine unit (III) -Effect of introduction rate on the recognition ability of phosphate derivatives-
Shiori Nishizumi,Takashi Hayashita,Masahiro Fujita,Yuko Takeoka,Masahiro

Rikukawa

- 3Pb060 Detection of phosphoric acid based biomolecules by polyfluorenes derivatives (I)
-Introduction of dipicolylamine unit-
Nao Hoso, Takashi Hayashita, Masahiro Fujita, Yuko Takeoka, Masahiro Rikukawa
- 3Pa061 Solvatochromism Properties of Polymers from Tetraphenylethene Derivatives
Tepei Kobayashi, Yui Hayashi, Takahiro Kakuta, Tada-aki Yamagishi
- 3Pb062 Chiral silica nanospheres templated by toothbrush polymers and chiral acids
Akira Wakaiko, Ren-Hua Jin
- 3Pa063 Chiral partitioning using silica films templated by PEI and chiral organic acids.
Riku Matsuda, Renhua Jin
- 3Pb064 Kinetic and isotherm analysis of adsorption of 2,4-dichlorophenoxyacetic acid on quaternized cellulose beads.
Kento Terasaka, Kazunori Saitoh, Hiromichi Asamoto, Hiroaki Minamisawa, Kazunori Yamada
- 3Pa065 CO₂ separation properties of hollow-fiber membrane modules prepared by in-situ modification techniques
Sakura Mitani, Ikuo Taniguchi
- 3Pb066 Synthesis of powdered cellulose adsorbent by gamma-ray grafting and devising a high-speed boron removal system
Hiroyuki Hoshina, Masaaki Omichi, Haruyo Amada, Yuji Ueki, Masanori Nakano, Sakiyori Mononobe, Nagatomo Mononobe, Taizou Uchimura, Tokuji Oguni, Noriaki Seko
- 3Pa067 Control of photoinduced electron transfer using supramolecular complex formation between polymers and electron donor molecules
Yilin Cao, Hiroyasu Yamaguchi

D. BIOPOLYMERS AND BIORELATED POLYMERS

- 3Pa069 Preparation of size different cicada-wing-inspired nanopillar hydrogels and their antibacterial properties
Haruki Uchida, Yohei Kotsuchibashi
- 3Pb070 Development of tetraPEG-micelle hybrid gels for the use as tissue-adhesive materials
Kazuki Nakasone, Yoshihiko Murakami
- 3Pa071 Relationship between physical properties and amino acid motifs contributing to supercontraction in the major ampullate spidroin based on the spider silk database Silkome.
Akitaka Furuichi, Kazuo Yamada, Nobuyuki Matubayasi, Keiji Numata
- 3Pb072 Synthesis of sugar- and photo-responsive reversible nanohydrogels using phospholipid polymers
Ayaka Ishizawa, Yuta Yoshizaki, Tomohiro Konno
- 3Pa073 Construction of a dynamic library of oligomers prepared by controlled radical polymerization and evaluation of their peptide recognition ability
Hayato Tada, Honoka Moriguchi, Shota Iseri, Sotaro Tsuji, Yukiko Nagai, Yu Hoshino
- 3Pb074 Design and Application of Stimuli-Responsive Polymers Capable of Detecting Protein Conformational Change
Yuto Murashima, Kanoko Murayama, Akifumi Kawamura, Takashi Miyata
- 3Pa075 Fabrication of anisotropic hydrogel by template method and analysis of influence on anisotropic polymer network structure on mechanical properties
Miho Sutou, Kouhei Kawaguchi, Yuto Kakei, Kazuki Murai
- 3Pa077 Fabrication of novel ionic gels completely constructed from biomolecular materials.

Mana Ikezoe, Kai Takagi, Kazuki Murai

- 3Pb078 Fabrication and characterization of cell biomembrane-coated nanoparticles by nanoparticle dip-coating method
Fuka Yamanaka, Ryosuke Mizuta, Shin-ichi Sawada, Yoshihiro Sasaki, Kazunari Akiyoshi
- 3Pa079 Self-healing microgel particles based on dynamic covalent bonds in cytocompatible phospholipid polymer
Kasumi Ariake, Yuta Yoshizaki, Tomohiro Konno
- 3Pb080 Evaluation of wetting properties of Janus membranes inspired from natural leathers by surface friction measurements in water.
Yuki Ishikawa, Daisuke Ishii
- 3Pa081 Evaluation of micro friction force as an indicator of the writing instrument comfort and relationships with paper surface conditions.
Sawa Ishihara, Daisuke Ishii
- 3Pb082 Utilization of designer coacervates as a model platform for amyloid formation and unprecedented generation of novel micrometer-scaled structures driven by insulin amyloid formation
Ryoma Omae, Tamotsu Zako, Teruki Nii, Takeshi Mori, Yoshiki Katayama, Akihiro Kishimura
- 3Pa083 Development of Multi-arm Polyethylene Glycol that Exhibits Sol-Gel Transition Driven by Adenosine Triphosphate-Fueled Reversible Phosphorylation
Ryo Sekiya, Masahiko Nakamoto, Michiya Matsusaki
- 3Pb084 Fluid control properties on the surface structure of *Plecoglossus altivelis* as an upstream fish
Tomoki Tanaka, Daisuke Ishii
- 3Pa085 Development of Multiblock Amphiphile for Transient Ion Permeation through a Chemical Reaction Cycle within Lipid Bilayers
Kanato Saita, Kohei Sato, Ai Kohata, Kazushi Kinbara
- 3Pb086 Optimization of microscopic frictional forces on contact lens surface through fine structural surface modification
Masaki Kato, Daisuke Ishii
- 3Pa087 Wettability and friction properties of the cuticle structure on biological hair surface
Sora Shibata, Daisuke Ishii
- 3Pb088 Gel jellyfish and 3D gel-printed modeling swimming
Takuto Chihara, Jun Ogawa, Yosuke Watanabe, MD Nahin Islam Shiblee, Hidemitsu Furukawa

F. INDUSTRIAL POLYMERS AND TECHNOLOGY

- 3Pb090 Food ink optimization in terms of viscoelasticity for precise food 3D printing
Haruya Oda, Makoto Takemasa
- 3Pa091 Development of automated food texture measurement system for continuous measurement of 3D printed foods
Ryusei Kaneko, Makoto Takemasa
- 3Pb092 Modeling and performance evaluation of biodegradable internal structures for 3D mushroom cultivation medium
Kouki Saito, Jun Ogawa, Yosuke Watanabe, Islam Shiblee MD Nahin, Hidemitsu Furukawa
- 3Pa093 Durable superhydrophobic surface with 3D printed PLA armor
Kengo Manabe
- 3Pb094 Microfabrication by Injection Molding Using Gas Permeable Molds
Yuna Hachikubo, Mano Ando, Rio Yamagishi, Sayaka Miura, Naoto Sugino, Takao Kameda, Yuki Kawano, Yoshiyuki Yokoyama, Satoshi Takei

- 3Pa095 Wet-jet milling process for defibration of paramylon
Yuichi TOMINAGA, Motonari SHIBAKAMI, Yusuke IMAI
- 3Pb096 Development of low-dielectric thermosetting PIM polymers utilizing spirobisindane as a core molecule
Atsushi Kawabata, Yu Konno, Tadashi Tsukamoto, Yuji Shibasaki
- 3Pa097 Development of thermosetting resin introducing spirobisindane and styryl groups
Kenichi Chiba, Yu Konno, Tadashi Tsukamoto, Yuji Shibasaki
- 3Pb098 Correlation between water absorption and electric properties for Polybenzimidazol Films
Kaito Watanabe, Xianzhu Zhong, Kenji Takada, Tatsuo Kaneko, Mika Kawai, Tetsu Mitsumata
- 3Pa099 Development of electrical removable and repeatable pressure-sensitive adhesive tape
Hideki TACHI, Masami NAKAGAWA, Takahiro AOKI, Takashi TOMODA

Presentation Time

<c = 13:15~13:55>

<d = 13:55~14:35>

A. POLYMER CHEMISTRY: SYNTHESIS AND REACTIONS

- 3Pc001 Polymerization of chiral olefin monomer catalyzed by optically active diimine palladium catalysts.
Yuna Murata, Daisuke Takeuchi
- 3Pd002 Synthesis of multiblock polyolefins by cross-metathesis polymer reaction.
Yuiko Niwa, Shin-ichi Matsuoka
- 3Pc003 Polymerization Conditions on the Bulk Metathesis Polymerization of Dicyclopentadiene
Toshiyuki Oshiki, Rintaro Kawashima, Makoto Nakanishi, Chiyu Nakano, Shinji Tanaka
- 3Pd004 Coordination Polymerization of Alkynylboronic Acid Esters: Synthesis of Polyacetylene Bearing Boron on the Main Chain
Sota Ueyama, Tsuyoshi Nishikawa, Makoto Ouchi
- 3Pc005 Aluminum-mediated group transfer polymerization of methyl methacrylate
Mei Ueno, Shin-ichi Matsuoka
- 3Pd006 Alternating copolymerization of carbon dioxide and epoxide by cerium phosphate catalyst
Masayoshi Honda, Hiroshi Sugimoto
- 3Pc007 Precise Synthesis of Polythiophene Derivatives with Phenyl Groups at the End of Side Chains for Thermoelectric Conversion Materials
Tatsuma Fujita, Tomoya Higashihara, Liu Cheng-Liang, Megumi Matsuda
- 3Pc009 Exploration of unexplored polymers as synthetic targets [I]: Automatic generation of polymer structure and application to commodity plastics
Takuro Tsutsumi, Gikyo Usuki, Mio Shitamichi, Kohei Hasebe, Masato Kobayashi, Keitaro Matsuoka, Tetsuya Taketsugu, Kazuki Sada
- 3Pd010 Exploration of unexplored polymers as synthetic targets [II]: Synthesis of C₆H₁₁NO homopolymers and systematic classification
Gikyo Usuki, Takuro Tsutsumi, Kohei Hasebe, Masato Kobayashi, Mio Shitamichi, Keitaro Matsuoka, Tetsuya Taketsugu, Kazuki Sada
- 3Pc011 Introduction of Data Science in the Development of Electrochromic Polymers
Aiwei Zhao, Dines Chandra Santra, Kenji Nagata, Junya Sakurai, Masahiko Demura, Masayoshi Higuchi

B. POLYMER PHYSICS: STRUCTURE AND PROPERTIES

- 3Pc013 Effect of Proteins on vulcanization and Mechanical Properties of Natural Rubber
Seiichi Kawahara,Yayoi Akahori,Masaki Yamano,Yoshimasa Yamamoto
- 3Pd014 Topology transformation from polyester to vitrimer using cross-linking by bond exchange reaction
Yuhka Shimizu,Mikihiro Hayashi
- 3Pc015 Permeation law of polymer chains in hydrogels with homogeneous network structure
Haruki Takarai,Takashi Yasuda,Naoyuki Sakumichi,Takamasa Sakai
- 3Pd016 Mechanical behaviors of a polymer network at its low-entropy state
Kosei Oikawa,Tasuku Nakajima,JianPing Gong
- 3Pc017 Development of thermosetting epoxy resin system using radical polymerization of vinyl monomers
Yuya Nakashima,Hiroto Kudo
- 3Pd018 Viscoelasticity of Self-Healing Gels with Host-Guest Inclusion Complex
Kenji Yamaoka,Ryohei Ikura,Motofumi Osaki,Kazuya Takahashi,Hidenori Shirakawa,Hiroaki Takahashi,Yoshinori Takashima
- 3Pc019 The effect of functional groups at the polymer side chain terminal on the mechanical properties of hydrogels
Yuka Wakayama,Takuma Kureha
- 3Pd020 Development of a high-strength supramolecular peptide gel and its selective inhibitor based on structural analysis
Atsuya Yaguchi,Tomohide Saio,Itsuki Ajioka,Takahiro Muraoka
- 3Pc021 Structural changes of water in hydrogel associated with structural changes in polymer side chains
Momoko Kishida,Yu Tojima,Tomoko Ikeda-Fukazawa
- 3Pd022 Investigations of local environments of hydrogels and effects of adjustable side chains
Keita Namba,Takuma Kureha
- 3Pc023 Structural changes of PVA cast gels with repeated swelling and dehydration
Naoya Takeuchi,Tomoko Ikeda-Fukazawa
- 3Pd024 Fabrication of Robust PVA Gel Fibers and Application to Drug-Eluting Sutures
Haruna Sakurai,Junhyuk Kim,Yasuhide Iwanaga,Shohei Ishikawa,Takamasa Sakai
- 3Pc025 Tracking the water absorption/desorption process of polyglycerol-based acrylate cured film using IR/QCM/RH system
Hiromu Maegawa,Yukiko Miyaji,Satoru Nakashima
- 3Pd026 Structure and Physical Properties Evaluation of Electrolyte Gel-Gel Adhesion Interface
Hibiki Shiimura,Takuya Nishimura,Masahiro Yoshida,Jian Ping Gong,Takayuki Kurokawa
- 3Pc027 Pyridine isomer effects on the bond exchangeable elastomer cross-linked by quaternized pyridine groups
Maho Suzuki,Mikihiro Hayashi
- 3Pd028 Relationship Analysis between One-Dimensional Sequence and Mechanical Properties via Coarse-grained Molecular Dynamics Simulations.
Yusuke Yasuda,Hiroshi Morita
- 3Pc029 Evaluation of Mechanical Properties of Polyethylene Glycol Hydrogels with Varying Water Content
Shuhei Ogura,Masayoshi Hara,Yoshihisa Fujii,Naoya Torikai
- 3Pd030 Calculation of polymer networks using SCF method with periodicity
Takashi Honda
- 3Pc031 Composite of modified PDMS with hydrophilic substituents and CNF

Ryunosuke Takeuchi,Katsuhiko Yamamoto

- 3Pd032 Adhesive strength of several low-crosslinked epoxy adhesive and internal structure analyses under deformation
Kakeru Obayashi,Rasha Ahmed Hanafy Bayomi,Ken Kojio
- 3Pc033 Relationship between hard segment aggregation and mechanical properties of polyurethane elastomers
Hiroaki Murase,Shogo Nobukawa,Katuhiko Inomata
- 3Pd034 Analytical expression for Fracture Profile during Crack Propagation in Viscoelastic Soft Matter
Naoyuki Sakumichi,Hokuto Nagatakiya,Shunsuke Kobayashi,Ryuichi Tarumi
- 3Pc035 Scaling exponent of osmotic pressure in hydrogels : Effect of salt addition
Sohei Shinozaki,Takashi Yasuda,Naoyuki Sakumichi,Takamasa Sakai
- 3Pd036 Numerical simulation of the swelling and deswelling process of gel
Isamu Riku,Dai Imai,Haruto Kitao,Koji Mimura

C. FUNCTIONAL POLYMERS AND POLYMER FUNCTIONS

- 3Pd038 Fabrication of hydrogels with various interactions for increasing
Asahi Inoue,Youhei Kotsuchibashi
- 3Pc039 Effect of the first and second network on the yielding zone of double-network hydrogel
Yiru Wang,Yong Zheng,Tasuku Nakajima,Jianping Gong
- 3Pd040 Control of swelling and mechanical properties of hydrogels by the length of cross-linker segment
Yuki Hatakeyama,Takuma Kureha
- 3Pc041 Polybenzoxazoles with Low Coefficient of Thermal Expansion (20). Modification Effects of Imide-containing Monomers
Daiki Asano,Kouhei Kikuchi,Junichi Ishii,Masatoshi Hasegawa
- 3Pd042 Organo-Soluble Low CTE Polyimides (20). Effects of Unsymmetrical Diamine Monomers
Ryota Ochiai,Junichi Ishii,Masatoshi Hasegawa
- 3Pc043 Organo-Soluble Low CTE Polyimides (21). Effects of Ether-linked Monomers
Ruka Yamada,Shinya Ichikawa,Junichi Ishii,Masatoshi Hasegawa
- 3Pd044 Development of Low-CTE Polyimides for Flexible Printed Circuit Boards (5). Study on Low Dielectric Dissipation Factor Enhancement
Junichi Ishii,Naoya Nakano,Masatoshi Hasegawa
- 3Pc045 Low-CTE colorless heat-resistant films with high surface hardness (2)
Takahiro SATO,Junichi ISHII,Masatoshi HASEGAWA
- 3Pd046 Colorless Polyimides Derived from Novel Spiro-type Monomers (9). Strategies to Overcome the Trade-off between Low CTE and Low Birefringence
Ko NAGAHABA,Hikaru SUGIHARA,Junichi ISHII,Masatoshi HASEGAWA
- 3Pc047 Modified Polyimides Derived from Novel Ester-containing Diamines (6). Strategies to Overcome the Trade-off Between Low CTE and Heat-laminating Processability
Masatoshi Hasegawa,Keisuke Minagawa,Junichi Ishii,Takao Miwa,Toshiyuki Goshima,Win Maw Soe
- 3Pd048 Insulating Coating Formation of Solvent-Soluble Polyimides with Electrophoretic Deposition Technique and their Structure Dependence
Ayumi Kobayashi,Hideyuki Kikuchi,Kohei Iritani,Akemi Kumagai,Hiroshi Jinnai,Takashi Yamashita
- 3Pc049 Correlation between water absorption and electric properties for Aromatic Polyimide Films
Kaito Watanabe,Xianzhu Zhong,Kenji Takada,Tatsuo Kaneko,Mika Kawai,Tetsu Mitsumata

- 3Pd050 Electrophoretic deposition behavior of solvent soluble copolyimides containing fluorene moieties and their long-term thermal degradation resistance
Rena Takashima, Ayumi Kobayashi, Kohei Iritani, Hideyuki Kikuchi, Takashi Yamashita
- 3Pc051 Low thermal expansion coefficient and adhesion properties by block-copolyimides having rigid-flexible segments
Yuuki Kimura, Katsuyuki Sugihara
- 3Pd052 Multiple uniaxial drawing from as-polymerized ultrahigh-molecular-weight polyethylene sheets and thus achieved high performance
Mina Takakusagi, Ayaka Takazawa, Masaki Kakiage, Takeshi Yamanobe, Hiroki Uehara, Syunsuke Horii, Daisuke Takeuchi
- 3Pc053 Effect of particle size on the mechanical properties of latex films
Yuma Sasaki, Haruka Minato, Yuto Kawamura, Takuma Kureha, Daisuke Suzuki
- 3Pd054 Switching the water-solubility of poly(ionic liquid)s via counterion conversion reaction
Ikuto Kato, Atsushi Matsumoto, Amy Shen, Sinji Sugikara, Yasusi Maeda

D. BIOPOLYMERS AND BIORELATED POLYMERS

- 3Pd056 Fabrication of DDS carriers having insulin release abilities depending on glucose concentration
Momona Iwata, Shogo Matsubara, Masahiro Higuchi
- 3Pc057 Near-Infrared Excited Nanoheater for Specific Manipulation of Mitochondria
Tomoki Iwashita, Yu Ochiai, Hiroki Yamaguchi, Yutaro Matsushita, Masao Kamimura
- 3Pd058 Manipulation of Mechano-Sensitive Channel Based on PEGylated Magnetic Nanoparticles via Bioorthogonal Click Chemistry
Yukino Nishikata, Yu Ochiai, Ryuto Yamanaka, Masakazu Kubota, Masao Kamimura
- 3Pc059 Selective Photothermal Activation of Thermo Responsive Channels of Neurons via Bioorthogonal Click Chemistry
Yu Ochiai, Tomoki Iwashita, Yukino Nishikata, Hiroki Yamaguchi, Yutaro Matsushita, Masao Kamimura
- 3Pd060 Development of MRI contrast agent based on nano-ruler polymer - Pharmacokinetics study and relaxivity evaluation -
Nanami Maehara, Akira Sumiyoshi, Mitsuru Naito, Kanjiro Miyata, Kae Sato, Kensuke Osada
- 3Pc061 Creation of senolytic polymer for removal of senescent cells by thin-layer gel formation.
Riko Akehi, Kenta Homma, Michiya Matsusaki
- 3Pd062 Development of nanoparticles capable of retaining biomacromolecules: surface functionalization and evaluation of release properties
Haruka Konno, Yoshihiko Murakami
- 3Pc063 Development of biomacromolecules-based gel particles by using aqueous two-phase system: Optimization of preparation condition and application to pulmonary DDS
Yuki Ono, Yoshihiko Murakami
- 3Pd064 Development of ultra-low-density porous polysaccharides carriers by using spontaneous emulsification: Control of physical properties for pulmonary DDS
Hikaru Harasawa, Yoshihiko Murakami
- 3Pc065 Synthesis of dendrimers modified with sulfobetaine monomer and polymers and their biodistribution.
Rikuto Hirata, Nanako Dei, Akikazu Matsumoto, Chie Kojima
- 3Pd066 Tailoring physicochemical properties of amphiphilic polypeptides for mRNA polyplex formation and immunomodulation

Nan QIAO,Mao HORI,Satoshi UCHIDA,Mitsuru NAITO,Hyun Jin KIM,Kanjiro MIYATA

- 3Pc067 Development of Phospholipid-Mimicking Polymeric Nanocarriers Capable of Conjugating Hydrophilic Drugs via Precision Polymerization
Kazutoshi Yokoo,Tatsuro Goda
- 3Pd068 Preparation of phospholipid polymer nanogels exhibiting reversible permeation for cell membrane
Yo Tanaka,Yuta Yoshizaki,Tomohiro Konno
- 3Pc069 Cellular uptake mechanism of disulfide introduced peptide nanofibers.
Kotone Minato,Kazuya Matsuo,Tomonori Waku,Akio Kobori
- 3Pd070 Development and evaluation of water-soluble phospholipid polymers with catechol structure conjugated with peptide derivatives via a reversible boronic ester bond
Ryosuke Nakatsukasa,Yuta Yoshizaki,Tomohiro Konno
- 3Pc071 Novel Anti-Cancer Nanomedicine Targeting NEU1 on Pancreatic Cancer Cells Surface
Ken Murakami,Yoshiaki Miura,Yasuhiro Yokoi,Nozomi Hirane,Shin-Ichiro Nishimura
- 3Pd072 Investigation of physical properties of gamma ray cross-linked gelatin hydrogels and its application as an artificial vascular coating material
Satoshi Ohno,Mayu Ueno,Shota Ishida,Yuto Honda,Takashi Endo,Toshio Takayama,Tomoko Oyama,Mitsumasa Taguchi,Nobuhiro Nishiyama,Yutaka Miura
- 3Pc073 Functional evaluation of TiO₂ nanoparticle-encapsulated ternary complexes coated by polyanions with charge reversal ability
Moe Furuta,Yukiya Kitayama,Eiji Yuba,atsushi Harada
- 3Pd074 Inhibition of aggregation of Alzheimer's pathogenic proteins by amphiphilized human lysozyme
Ipsita Choudhury,Kazuya Matsuo,Tomonori Waku,Akio Kobori
- 3Pc075 Combination effect of shikonin/ β -1,3-glucan nanogel on BNCT as a novel polarizer of cancer-associated macrophage
Naoki Takabayashi,Kaori Bando,Koki Matsuda,Naoki Yasukawa,Riku Kawasaki,Natsuko Kondo,Yu Sanada,Yosinori Sakurai,Takeshi Nagasaki
- 3Pd076 Targeting of malignant brain tumor by size tuning of PEG-grafted copolymers
Yukine Ishibashi,Mitsuru Naito,Yusuke Watanuki,Masaru Cho,Kanjiro Miyata
- 3Pc077 Design of antigen-adjuvant co-delivering nanogels for efficient induction of antigen-specific immunity
Yuki Yazawa,Shin-ichi Sawada,Yoshihiro Sasaki,Kazunari Akiyoshi
- 3Pd078 Alkylated cello-oligosaccharide assemblies for loading and release of hydrophobic drugs
Jun Seok Lee,Yuuki Hata,Takeshi Serizawa
- 3Pc079 Drug Encapsulation Behavior of Monodisperse Polymer Nanoparticles
Takuma Kojima,Shin Takano,Kazuo Sakurai
- 3Pd080 Anticancer activity of polymeric transition metal complexes using gold nanoparticle as drug carriers
Yosuke Hirata,Shigehito Osawa,Hidenori Otsuka

F. INDUSTRIAL POLYMERS AND TECHNOLOGY

- 3Pd082 Adhesive technology for cross-linked elastomer using a bond exchange reaction
Ryota Onishi,Mkihiro Hayashi
- 3Pc083 Powdered two-component adhesives
Taichi Uehara,Kouhei Kido,Tomoyasu Hirai,Yoshinobu Nakamura,Syuji Fujii
- 3Pd084 Functional sulfated cellulose pulp sheets

Ayato Nishimura

- 3Pc085 Conditions of high strength regenerated cellulose fiber by solution spinning using ionic liquid as solvent
Yasuo Gotoh,Kouki Shinozaki,Atsushi Sakamoto,Yuta Yamaguchi
- 3Pd086 Mechanical Properties and Reinforcement of Paper Sheets Compositated with Carboxymethyl Cellulose
Junya Kobayashi,Masahiro Kaneko,Chamaiporn Supachettapun,Kenji Takada,Tatsuo Kaneko,Joon Yang Kim,Minori Ishida,Mika Kawai,Tetsu Mitsumata
- 3Pc087 Weatherability of Polypropylene/cellulose nanofiber by Outdoor Exposure Tests in Japan
Shoji Nagaoka,Nozomu Tsuruta,Hruumi Hasuo,Syun Kamakura,Hideki Taniguchi,Maki Horikawa,Daisaku Tanaka,Shigehiro Nasu,Ryosuke Imon,Minami Higashi,Haruki Adachi,Koji Masaki,Asahiro Nagatani,Akihiro Oishi
- 3Pd088 Blistering of Epoxy Resins with Spherical Domains of Polystyrene and N-Phenylmaleimide-Styrene Alternating Copolymers under High-Pressure Hydrogen Environment and Mechanical Modeling
Tatsuru Nishikawa,Hiroaki Ono,Shin Nishimura
- 3Pc089 Fundamental study on depression-Induced internal damage after high-pressure hydrogen gas exposure in polymethyl methacrylate as a model material
Hiroaki Ono,Shin Nishimura
- 3Pd090 Study on the response of rubber material to mechanical loading as features for machine learning models
Hiroaki Ono,Shin Nishimura
- 3Pc091 Influence of discharge power on the polymerization process of methyl methacrylate using atmospheric pressure plasma
Kenichi Yamazaki,Hiroyuki Yasui,Motoaki Yamauchi,Akitoshi Okino
- 3Pd092 Combustion Behavior Analysis of Polymeric Materials with Brominated Flame Retardants Using Image Analysis
Tomonaga Ueno,Yuya Nakanishi,Erica Nakashima,Koichi Akiyama,Ken Morishita
- 3Pc093 Study on Correlation between Multi-calorimeter and Image Analysis in Vertical Combustion Test
erika nakashima,takashi fuji,tomonaga ueno
- 3Pd094 xenoBiotic: chemical toxicity prediction software package (2023)
Toshihiko Sawada,Tomohiro Hashimoto,Hiroaki Wasada