

Room P

Wed. May 24

Presentation Time

<a = 10:15~10:55>

<b = 10:55~11:35>

A. POLYMER CHEMISTRY: SYNTHESIS AND REACTIONS

- 1Pa001 Cationic polymerization of 3-methylene phthalide
Shoji Hirabayashi, Yota Chiba, Ryo Kawatani, Yasuhiro Kohsaka
- 1Pb002 Cationic Polymerization of Unprotected Vinyl Catechol Derived from Caffeic Acid
Risa Fujita, Shiho Tanizaki, Tomohiro Kubo, Kotaro Satoh
- 1Pa003 Synthesis of Novel Functional Block Copolymer Introduced Various Plant-Based Conjugated Dienes.
Yasunobu Isobe, Shiho Tanizaki, Tomohiro Kubo, Kotaro Satoh
- 1Pb004 Coumarin-Derived exo-Methylene-Type Monomers for Novel Bio-Based Polymers by Cationic Polymerization
Tatsuya HATTORI, Shoki YOSHIMURA, Chihiro HOMMA, Mineto UCHIYAMA, Masami KAMIGAITO
- 1Pa005 Stereospecific Living Anionic Polymerization via Reversible Chain-Transfer to C-H Bonds
Katsutoshi SAGAWA, Konomi YAMASHITA, Chihiro HOMMA, Mineto UCHIYAMA, Masami KAMIGAITO
- 1Pb006 Living Anionic Polymerization of 2-Vinylpyridine Based on Reversible Activation of C-H Bonds
Koki SAKAI, Yuki SAKATA, Chihiro HOMMA, Mineto UCHIYAMA, Masami KAMIGAITO
- 1Pa007 Anionic polymerization of 4'-(*N,N*-dimethylamino)phenyl 4-styryl ketone
Yuki Kamiya, Raita Goseki, Takashi Ishizone
- 1Pb008 Synthesis of thermoplastic elastomers using styrene derivatives possessing adamantyl groups
Subaru Matsumura, Yuki Kurishiba, Raita Goseki, Takashi Ishizone
- 1Pa009 Anionic polymerization of (α -methyl)styrenes having thiophene ring at *p*-position
Yuki Kurishiba, Raita Goseki, Takashi Ishizone
- 1Pb010 Precise synthesis of alternating copolymer composed of 1-phenyl-1,3-butadiene and 1,1-diphenylethylene
Kotaro Koike, Yoshito Itaya, Hamin Kim, Raita Goseki, Takashi Ishizone
- 1Pa011 Anionic copolymerization of styrene derivatives having a bulky substituent at meta-position and 1,1-diphenylethylene
Rinya Kawashima, Kotaro Koike, Hamin Kim, Raita Goseki, Takashi Ishizane
- 1Pb012 Synthesis of sequence-controlled polymer by anionic self-alternating polymerization of AB-type divinyl monomers
Hamin Kim, Raita Goseki, Takashi Ishizone
- 1Pa013 Anionic polymerization of 1,3-butadiene derivatives having a catechol skeleton at 1-position
takumi Aoyagi, Raita Goseki, Motoyasu Kobayashi
- 1Pb014 Stereospecific Cationic Polymerization of Vinyl Ether Using Substituted Benzoic Acid Derivatives as Initiators
JeongHyeon Lee, Makoto Ouchi
- 1Pa015 Synthesis and Higher-order Structural Characterization of ABC/ACB Triblock Copolymers Based on Polystyrene and Polymethacrylate by Living Anionic Polymerization

Ryota Uehara, Shinsuke Maekawa, Takehiro Seshimo, Takahiro Dazai, Kazufumi Sato, Yuta Nabae, Teruaki Hayakawa

- 1Pb016 Synthesis and thermoresponsive properties of fluorine-containing polyvinylethers
Tomoki Yamaguchi, Hiroki Fukumoto, Tomohiro Agou
- 1Pa017 Synthesis and optical properties of all-conjugated hyperbranched polymer containing silicon by means of unstoichiometric Suzuki-Miyaura polycondensation through intramolecular transfer of Pd catalyst
Masato KUBOTA, Ryusuke SHIMADA, Yoshihiro OHTA, Tsutomu YOKOZAWA
- 1Pb018 Selective synthesis of linear polyethersulfone by means of reversible unstoichiometric polycondensation through ether-ether exchange reaction
Reo YAMATO, Takayoshi KATOH, Yoshihiro OHTA, Tsutomu YOKOZAWA
- 1Pa019 Abnormal behavior of Suzuki-Miyaura catalyst-transfer condensation polymerization of thiophene having hydrophilic side chain.
Youta FUKUDA, Yoshihiro OHTA, Kazuya EBARA, Tsutomu YOKOZAWA
- 1Pb020 Selective synthesis of linear polycarbonate by reversible unstoichiometric polycondensation through ester-carbonate exchange reaction
Nao KOBAYASHI, Takayoshi KATOH, Yoshihiro OHTA, Tsutomu YOKOZAWA
- 1Pa021 Suzuki-Miyaura catalyst-transfer condensation polymerization for the synthesis of polyphenylene with ester side chain
Reo NITTO, Yoshihiro OHTA, Tsutomu YOKOZAWA
- 1Pb022 Synthesis and optical properties of all-conjugated cyclic polymers with functional group in the backbone by means of unstoichiometric Suzuki-Miyaura polycondensation
Masayoshi HIRANO, So MIYAZAKI, Yoshihiro OHTA, Tsutomu YOKOZAWA
- 1Pa023 Polyaddition Based on α -Modification Reactions of Vinyl ketones
Masatoshi Ohyama, Rie Yasuda, Yoshitsugu Kuratani, Yasuhiro Kohsaka
- 1Pb024 Synthesis of polyesters with chemical degradability by radical reaction
Kinari Tsurumi, Takumi Noda, Yasuhiro Kohsaka
- 1Pa025 Polymerization and cyclization reactions by dehydration-condensation of hydrazine and diformyl compounds
Kyoya Kobayashi, Takeshi Yasuda, Takaki Kanbara, Junpei Kuwabara
- 1Pb026 Direct synthesis of pi-conjugated polymers with bromoaryl groups on the side chains based on chemoselective intramolecular Pd catalyst transfer system
Kenta Yokawa, Tomoya Higashihara
- 1Pa027 Development of Poly(thioether)s with High Refractive Indices and High Abbe's Numbers Using Dithiin Derivatives
Keita Watanabe, Megumi Matsuda, Kazushi Enomoto, Takumi Nagasawa, Mitsuru Ueda, Tomoya Higashihara
- 1Pb028 Synthesis of polysiloxane derivatives having hydrophilic groups in the main chain
Haruki Chiba, Tsukasa Ichikawa, Nobukatsu Nemoto
- 1Pb030 Iterative Synthesis of Discrete Oligomers Consisting of Poly(butylene Succinate) and Related Copolymers
Ravi Teja Ananthu, Tomohiro Kubo, Takako Kikuchi, Kotaro Satoh
- 1Pa031 Evaluation of the Effect of Spacer Length in Controlled/Living Click Polymerization of AB Macromonomers
Yasuaki Kobayashi, Satoshi Sakai, Tomohiro Kubo, Kotaro Satoh
- 1Pb032 Synthesis of Triazole-Containing Self-Immolative Polymer by Click Polymerization
Yuto Nakauchi, Satoshi Sakai, Sota Yamamoto, Tomohiro Kubo, Kotaro Satoh
- 1Pa033 Effect of Substituents in Conjugated AB Monomers on Click Polymerization
Seiichiro Uchida, Satoshi Sakai, Tomohiro Kubo, Kotaro Satoh

- 1Pb034 Polymer synthesis using reactivity of cyclopropane ring of norbornadiene dimer
Miona Iwai, Shin-ichi Matsuoka, Masato Suzuki
- 1Pa035 Synthesis and Properties of Polyphenylacetylene Having Ethynylpyridine Moieties at the Para-position.
Mayu Yamazaki, Takashi Kaneko, Toshiki Aoki, Masahiro Teraguchi
- 1Pb036 Synthesis of telechelic-type polypeptide introduced aromatic units and their structures and thermal properties
Yusuke Ueno, Kousuke Tsuchiya, Hiroyasu Masunaga, Keiji Numata
- 1Pa037 Synthesis of polybenzothiazoles by oxidative cyclopolymerization of aromatic diamines, divinyl compound, and element sulfur
Masaru Yoneyama, Daiki Azekami, Takeshi Yamanobe
- 1Pb038 Terpolymerization of epoxides, CO₂, and iso(thio)cyanates for the synthesis of poly(carbonate-urethane)s or poly(carbonate-thioimidocarbonate)s
Koichi Nakaoka, Satoshi Muranaka, Io Yamamoto, Chihiro Maeda, Kazuto Takaishi, Tadashi Ema
- 1Pa039 Synthesis of Lewis acid & base containing polymer from ethynylborane
Kentaro Okura, Yuta Nishina

B. POLYMER PHYSICS: STRUCTURE AND PROPERTIES

- 1Pa041 Cosolvency Mechanism of Alternating Copolymers of Hydrophilic Vinyl Ethers and Hydrophobic Maleimide Derivatives
Kaito Nakamura, Shohei Ida, Daichi Ida, Akiyuki Ryoki, Shokyoku Kanaoka
- 1Pb042 Copolymerization of acrylamide monomers for inducing the hysteresis in the thermo-responsiveness in solution
Yae Watanabe, Yusuke Sanada, Keisuke Watanabe, Yukiteru Katsumoto
- 1Pa043 Analysis of short side chain perfluorosulfonic acid ionomer nanoparticles dispersed in polar solvents
Makoto Yamaguchi, Takeshi Terao, Seiichi Kuroda
- 1Pb044 Structure and rheology of an ion gel with the solvent acting as a cross-linker
Kota Aoki, Ayae Sugawara-Narutaki, Rintaro Takahashi
- 1Pa045 Commissioning of a neutron spin echo spectrometer for the study of slow dynamics of polymers
Tatsuro Oda, Hitoshi Endo, Rintaro Inoue, Koichi Mayumi
- 1Pb046 Conversion of hydroxy-attached polyesters into vitrimers via transesterification reaction
Taketo Isogai, Mikihiro Hayashi
- 1Pa047 Fracture behavior of elastomer film composed of rotaxane-crosslinked microparticles
Yuma Sasaki, Takumi Watanabe, Yuichiro Nishizawa, Takuma Kureha, Kazuya Uenishi, Kazuko Nakazono, Toshikazu Takata, Daisuke Suzuki
- 1Pb048 Effect of type of cross-linkers on the size of micron-sized microgels synthesized by precipitation polymerization
Kentaro Yamanaka, Takahisa Kawamoto, Haruka Minato, Daisuke Suzuki
- 1Pa049 Analysis of the behavior of bound water in contact lenses by low-field NMR
Shuhei Fujimura
- 1Pb050 Structural change of water in poly-vinyl alcohol hydrogel with gelation using cast-drying method
Naoya Takeuchi, Tomoko Ikeda-Fukazawa
- 1Pa051 Structure of water coexisting with silica-compound polyisoprene rubber
Kazuaki Sato, Tomoko Ikeda-Fukazawa
- 1Pb052 The research on the mechanism of thermal-switching soft-hard hydrogels.
Dong SHI, Takayuki Nonoyama, Jianping Gong

- 1Pa053 Investigations of local environments of hydrogels and effects of side chains revealed by probe diffusion dynamics light scattering
Keita Namba,Takuma Kureha
- 1Pb054 Swelling Properties in Polyacrylonitrile Gel prepared by Freezing and Thawing Method and the related Semidilute scaling laws
Yutaka Tanaka,Yoshihiro Miyauchi,Yoshito Shimizu
- 1Pa055 Relationship between Viscoelasticity and Adhesive Strength in PEG-PAMAM Gels
Rihito Akagawa,Saki Kusakabe,Laurence Hayato Mizuno,Etsuko Kobayashi,Yuki Akagi
- 1Pb056 Effect of first network structure on the yielding behavior of double network hydrogels
FEIXUE LU,HAILONG FAN,TASUKU NAKAJIMA,JIANPING GONG
- 1Pa057 Understanding and controlling inhomogeneous nanostructures in thermoresponsive hydrogel microspheres
Yuichiro Nishizawa,Takayuki Uchihashi,Daisuke Suzuki

C. FUNCTIONAL POLYMERS AND POLYMER FUNCTIONS

- 1Pb058 Fabrication of UV-cured films containing disulfide bonds for adsorption of metal ions
Masahiro Furutani,Keiji Washida,Tomoki Hata
- 1Pa059 Fabrication of thermally cross-linked poly(methacrylic acid) sponges with nano-layered structures and their adsorption properties of copper ions
Kazuki Nakada,Yohei Kotsuchibashi
- 1Pb060 Synthesis of multi-arm star polymer materials for precipitation separation of platinum group metals
Kohei Watanabe,Naoya Kaneko,Daisuke Aoki,Tatsuo Taniguchi,Takashi Karatsu,Ryuhei Motokawa,Tomoya Suzuki,Hirokazu Narita
- 1Pa061 Pressure dependence of gas permeation properties of surface-modified silica nanoparticle/PIM-1 composite membranes
Kota Nagano,Masafumi Yamato,Hiroyoshi Kawakami
- 1Pb062 Effect of solvents on the formation of the asymmetric fluorinated polyimide membrane made by dry-wet phase inversion process
Kazuki Takashio,Masafumi Yamato,Hiroyoshi Kawakami
- 1Pa063 Temperature dependence of gas permeation properties in polymer of intrinsic microporosity (PIM-1):effect of physical aging
Mizuki Akatsuka,Masafumi Yamato,Hiroyoshi Kawakami
- 1Pb064 Colorimetric Chiral Sensing of Various Chiral Compounds Based on Helicity Induction and Memory in Poly(diphenylacetylene) and Its Chemical Modification
Kyosei Matsunaga,Shota Sona,Daisuke Hirose,Katsuhiko Maeda
- 1Pa065 Helicity induction and memory in a poly(diphenylacetylene) bearing ester groups in the side chain and its application to chiral stationary phase for HPLC
Zeyang Lin,Shota Sona,Daisuke Hirose,Katsuhiko Maeda
- 1Pb066 Chiral sensing of optically active ammonium salts based on chiral aggregate formation of a poly(biphenylacetylene) derivative
Naoki Kikuchi,Mayu Fukuda,Tsuyoshi Taniguchi,Tatsuya Nishimura,Eiji Yashima,Katsuhiko Maeda
- 1Pa067 Bacteria detection using polythiophene derivatives (I) -Introduction of dipicolylamine unit-
Shiori Nishizumi,Takashi Hayashita,Masahiro Fujita,Yuko Takeoka,Masahiro Rikukawa
- 1Pb068 Preparation of poly(diallyldimethylammonium) salts with different counter anions and their gas adsorption properties
Haruka Miyagi,Takahiro Ami,Kouhei Okubo,Kouki Oka,Norimitsu Tohnai

- 1Pa069 Water Vapor Sorption Mechanisms and Influencing Factors of Chitin and Chitosan Membranes
Risako Nishida, Kazukiyo Nagai

D. BIOPOLYMERS AND BIORELATED POLYMERS

- 1Pa071 Synthesis of amphiphilic solvatochromic fluorescent dyes for cell membrane imaging
Aruto Hori, Takuya Tanaka, Gen-ichi Konishi
- 1Pb072 Binding assay of human Dectin-1 variants for DNA/ beta-glucan complex for active-targeting delivery of therapeutic DNA
Kazuki Sumiya, Hiroto Izumi, Kazuo Sakurai
- 1Pa073 Discussion of the inclusion mechanism of guests into the cavities in renatured beta-1,3-1,6-glucan nanoparticles through inclusion adaptability analysis
Yasushi Nishida, Kazuya Koumoto
- 1Pb074 Release mechanism of complex of phosphorylated pullulan and Cetylpyridinium chloride
Kaho Asano, Takumi Okihara
- 1Pa075 Development of a hyaluronic acid-micelles hybrid gel for the application to tissue-adhesive materials
Miki Tatsuma, Yoshihiko Murakami
- 1Pb076 Wound healing effects of chitosan-micelles hybrid gel sheets: evaluation of the healing process using circular resection wounds in rats
Ryosuke Wakao, Kenta Owaku, Tomoaki Murakami, Yoshihiko Murakami
- 1Pa077 Development of polysaccharide sheets that adhere to tissues by introducing cell-adhesive peptides
Amon Koizumi, Yoshihiko Murakami
- 1Pb078 Preparation of chondroitin sulfate/chitosan-coated bacterial cellulose membrane
Tomoki Okada, Hiroshi Tamura, Tetsuya Furuike
- 1Pa079 Preparation of Chitosan Hydrogel with Chitosan Carbamate Derivatives
Mariko Saito, Hiroshi Tamura, Tetsuya Furuike
- 1Pb080 Preparation and properties of chitosan/TOCN/AgNP composite fiber
Duangkamol Dechojarassri, Kazuki Komatsu, Hiroshi Tamura, Tetsuya Furuike
- 1Pa081 Preparation of chitosan microparticles with inorganic shells and investigation of their application as drug carriers
Satoshi Tanimoto, Shokyoku Kanaoka
- 1Pb082 Preparation of chitosan beads as pH-responsive protein carriers and evaluation of their release behavior.
Takumi Morita, Hikaru Oba, Yuriko Ishiba, Shokyoku Kanaoka, Satoshi Tanimoto
- 1Pa083 Synthesis of Mixed Chitin Esters with Thermoplasticity
Yuki Shigenobu, Aoi Nakashima, Jun-ichi Kadokawa
- 1Pb084 Inclusion Behavior of Amylose toward Hydrophobic Polyesters in Vine-twining Polymerization
Masaaki Iwamoto, Jun-ichi Kadokawa
- 1Pa085 Synthetic studies of N-linked glycopolymers (III): Optimization on monomer synthesis
Mio Sunaga, Takahiko Matsushita, Tetsuo Koyama, Ken Hatano, Koji Matsuoka
- 1Pb086 Development of a synthetic route for novel cellulose-nanocrystals asymmetrically substituted with two types of graft polymer.
Seitaro Fujimoto, Yuji Kinose, Keita Sakakibara, Yoshinobu Tsujii
- 1Pa087 Synthesis and Polymerization of a Glycomonomer for Glycosaminoglycans Synthesis using Glycopolymers
Yuto Nakanishi, Tomonari Tanaka

E. POLYMERS AND ENVIRONMENT

- 1Pa089 Structural Properties Analysis of Nanofibrillated Bacteri Cellulose
Haruto Tsujisaki, Yoshifumi Yamagata, Keisuke Miyamoto, Masaaki Hosokawa, Shuuichirou Seno, Ryota Kose, Masashi Fujiwara, Takuya Isono, Takuya Yamamoto, Hirofumi Tani, Toshifumi Satoh, Hiroshi Orihara, Kenji Tajima
- 1Pb090 Development of Nanofibrillated Bacterial Cellulose Mixed Fiber Material Using Wet Spinning Method
Yui Kawabata, Haruto Tsujisaki, Chaehun Lee, Ryota Kose, Takuya Isono, Masashi Fujiwara, Takuya Yamamoto, Toshifumi Satoh, Hirofumi Tani, Kenji Tajima
- 1Pa091 Self-Healing Materials from Biomass of Polysaccharides
Chitose Takeda, Takaki Kaneda, Naoto Iwata, Seiichi Furumi
- 1Pb092 Effect of Humidity on the Structure of Uniaxially Aligned Polysaccharide Films
Ayaka Yamaji, Go Mastaba, Kosuke Okeyoshi, Yuka Ikemoto
- 1Pa093 Development of high toughness polybutylene succinate nanocomposite using surface-modified nanofibrillated bacterial cellulose as reinforcement material
Binti Hashim Hamidah, Xia Xiaochao, Shuichiro Seno, Hiroshi Kani, Feng Li, Masashi Fujiwara, Takuya Isono, Takuya Yamamoto, Hirofumi Tani, Toshifumi Satoh, Kenji Tajima
- 1Pb094 Synthesis of nanofibrillated bacterial cellulose graft copolymers for application as fillers
Takehiro Hoshino, Binti Hashim Hamidah, Shuichiro Seno, Feng Li, Masashi Fujiwara, Takuya Isono, Takuya Yamamoto, Hirofumi Tani, Toshifumi Satoh, Kenji Tajima
- 1Pa095 Preparation of high strength cellulose II material by multi-step post-treatment with low concentration alkaline solution
Yuki Kugo, Takuya Isono, Masashi Fujiwara, Toshifumi Satoh, Hirofumi Tani, Tomoki Erata, Kenji Tajima
- 1Pb096 Preparation and characterization of chitosan-based hydrogels for heavy metal adsorption
Sayaka Fujita, Yuri Ainai, Hiroyuki Kono
- 1Pa097 Functionalization of chitosan monolith by modification with polydopamine
Hiroshi Hasegawa, Emil Hajili, Akihide Sugawara, Yu-I Hsu, Hiroshi Uyama
- 1Pb098 Toughening cellulose diacetate using poly(N-vinylpyrrolidone)-based block copolymers as modifier
Takaya Kobayashi, Satoshi Katsuhara, Yuki Tsuji, Feng Li, Takuya Yamamoto, Kenji Takahashi, Kenji Tajima, Toshifumi Satoh, Takuya Isono
- 1Pa099 Synthesis of Polysaccharide Mixed Ester Derivatives and Correlation of Physical Properties and Marine Biodegradability
Jin Ho Seok, Tadahisa Iwata
- 1Pb100 Higher order use of degraded plastic (Styrofoam) as insect repellent
Mitsutake Suematsu, Yasushi Inagaki, Daiki Yanagidaira
- 1Pa101 Selective accumulation of heavy metal and rare-earth ions by fucoidan
Yuta Shimanouchi, Masanori Yamada
- 1Pb102 An effect of frequency of oscillatory stress on decomposition process of the Epoxy resin for CFRP with oscillatory stress.
Kota Makimura, Masahiko Takahiro
- 1Pa103 Degradation of Polycarbonate and Utilization of Degradation Product as a Fertilizer
Karin Emi, Daisuke Aoki, Tatsuo Taniguchi, Takashi Karatsu
- 1Pb104 Structure and thermal properties of bio-coke obtained from waste bamboo and synthetic plastics
Tomoya Ukai, Daiki Anma, Kohei Shiraishi, Tamio Ida

- 1Pa105 Synthesis and characterization of Allylcellulose in Ionic Liquid aqueous solution
Takeshi Kakibe, Miho Yamamoto, Satoshi Matsuda, Hajime Kishi
- 1Pb106 Characterization of poly(cis-1,4-isoprene) cleavage enzymes of natural rubber-utilizing bacteria
Namiko Gibu, Daisuke Kasai
- 1Pa107 Synthesis of novel curing agents having furan groups and preparation of all-biobased network polymer
Yohtaro Inoue

Presentation Time

<c = 13:15~13:55>

<d = 13:55~14:35>

A. POLYMER CHEMISTRY: SYNTHESIS AND REACTIONS

- 1Pc001 Development of Tellurium-containing Organic Lewis Photoacids and Application in Cationic Polymerization
Shuhei Hayashi, Koji Takagi
- 1Pd002 Polymerization Studies of Vinyl Monomers using Sugar as Initiator
Yukihito Fujiwara, Koji Takagi
- 1Pc003 Development of Photoinitiated Living Cationic Sequence-Controlled Terpolymerization and Synthesis of Polymers with Various Monomer Sequences
Yuto Eguchi, Arihiro Kanazawa, Sadahito Aoshima
- 1Pd004 Development of New Initiating Systems for Cationic Ring-Opening Polymerization of Oxiranes: Investigation toward Living Polymerization by Stabilization of Propagating Species with Cyclic Ethers
Hibiki Yamada, Arihiro Kanazawa, Sadahito Aoshima
- 1Pc005 Cationic Alternating Copolymerization of Various Styrenes and Aromatic Aldehydes and Precision Synthesis of Styrenic Polymers Having Selectively Cleavable Units
Mikuri Saito, Tomoki Nara, Arihiro Kanazawa, Sadahito Aoshima
- 1Pd006 Cationic Copolymerization of Furfural-Derived 5-Alkoxy-2(5*H*)-furanones and Oxiranes
Naoki Higashibata, Arihiro Kanazawa, Sadahito Aoshima
- 1Pc007 Cationic Copolymerization of Sugar-Derived Cyclic Acetals: Effect of Cyclic Acetal Structure on Copolymerization Behavior
Aya Katto, Arihiro Kanazawa, Sadahito Aoshima
- 1Pd008 Cationic Copolymerization of Vinyl Acetate and 3-Alkoxyphthalides
Kyonosuke Kamigaki, Arihiro Kanazawa, Sadahito Aoshima
- 1Pc009 Acceleration by UV irradiation of metal-free cationic polymerization of low reactive styrenes using diaryliodonium salts as organic Lewis acid catalysts
Yutaka Yokawa, Yuji Mishima, Arihiro Kanazawa, Sadahito Aoshima
- 1Pd010 Reactivity of hydrocarbon monomer possessing exomethylene group on six-membered ring
Karen Kawazome, Raita Goseki, Takashi Ishizone
- 1Pc011 Anionic polymerization of benzofulvenes with substituents on exo-methylene carbon and degradation behavior of resultant polymer
Ayana Fukui, Raita Goseki, Takashi Ishizone
- 1Pd012 Synthesis of sequence-controlled oligomer by living anionic addition reaction of 1,1-di(2-pyridyl)ethylene
Ikushi Suzuki, Tomohiko Nishijima, Raita Goseki, Takashi Ishizone
- 1Pc013 Synthesis of sequence-controlled polymers composed of 1,1-diphenylethylene derivatives via living anionic addition reaction and acyclic diene metathesis polymerization
Tomohiko Nishijima, Raita Goseki, Takashi Ishizone

- 1Pd014 Degradability of poly(α -methylstyrene) with stimuli-responsive groups at chain ends
Yuki Morimoto, Yuki Kurishiba, Raita Goseki, Takashi Ishizone
- 1Pc015 Synthesis of chain-end functionalized polymers with a light-emittable framework in liquid and solid state
Kazuki Horibe, Raita Goseki, Takashi Ishizone
- 1Pc017 Synthesis of bio-based carbonate resin using citric acid and its curing
Ryo OKITA, Kozo MATSUMOTO
- 1Pd018 Synthesis of bio-based carbonate resin using resveratrol and its curing
Tatsuki Watanabe, Yuki Nishioka, Kozo Matsumoto
- 1Pc019 Synthesis of polymers with bismuth carboxylate structures by polycondensation of triphenylbismuthine and dicarboxylic acids
Ryo Kamiya, Yoshimasa Matsumura, Kikuo Furukawa, Hideki Kohn, Yoshio Nishimura, Bungo Ochiai
- 1Pd020 Synthesis of sulfur-containing epoxy polymers from sulfur and their effects of monomers on mechanical properties and thermal stability
Shun Hashimoto, Akiyoshi Horiguchi, Yuichiro Kobayashi, Hiroyasu Yamaguchi
- 1Pc021 Synthesis of stereoregular uniform oligomers possessing a dense 1,2,3-triazole backbone
Yuri Kamon, Junji Miura, Koji Okuno, Shota Yamasaki, Masaki Nakahata, Akihito Hashidzume
- 1Pd022 Synthesis of Poly (L-lysine)s Bearing Active Urethane Structures in the Side Chains and Their Side Chain reaction
Haruto Minami, Noritaka Takeuchi, Takehiro Kawauchi, Yoshio Furusho, Takeshi Endo, Yasuyuki Mori
- 1Pc023 Synthesis of bio-based aromatic poly(amide-imide)s by thermal solution polycondensation
Kazuya Matsumoto, Ryoga Suzuki, Mitsutoshi Jikei
- 1Pd024 Effect of acidity on the synthesis of aromatic polyketones via nonstoichiometric polycondensation using superacid
Yasuhiro Yoshida, Kazuya Matsumoto, Mitsutoshi Jikei
- 1Pc025 Development of low-dielectric thermosetting PIM polymers utilizing spirobisindane
Atsushi Kawabata, Yu Konno, Tadashi Tsukamoto, Yoshiyuki Oishi, Yuji Shibasaki
- 1Pd026 Synthesis of Optically Active Polymers via Post-Polymerization Asymmetric Induction on Troger's base-containing Polymers
Naoki Murayama, Fumitaka Ishiwari, Akinori Saeki
- 1Pc027 Synthesis and dielectric properties of soluble aromatic polymers via Friedel-Crafts polycondensation using superacid
Chika Goto, Mariko Fukaya, Kazuya Matsumoto, Mitsutoshi Jikei
- 1Pd028 Effect of Triazabicyclodecene in the polyaddition reaction of 5-membered cyclic carbonates with polyoxypropylenediamine
Ryu Tada, Yoshio Furusho, Takeshi Endo
- 1Pc029 Synthesis and helix formation of poly(benzene-1,4-diyl) derivative having side-chain amino group
Weiben Du, Masayoshi Bando, Qingyu Wang, Tamaki Nakano

B. POLYMER PHYSICS: STRUCTURE AND PROPERTIES

- 1Pc031 Characterization of new bio-based polymers utilizing plant-derived resources with molecular dynamics simulation
Yoji Kawase, Hidemine Furuya, Tomohiro Kubo, Ryohei Ishige, Reiko Saito
- 1Pd032 Investigation of the secondary structure transition of poly(α -L-glutamic acid) single chain using atomic force microscopy.

Ryosuke Fukasawa, Yuta Onozawa, Xiaobin Liang, Ken Nakajima, Hidemine Furuya

- 1Pc033 Single-Chain Structure Analysis of Polymers Encapsulated in Nanopores by AFM Force Curve Measurements
Yu Kono, Nobuhiko Hosono, Takashi Uemura
- 1Pd034 Regioregularity Recognition and Separation of Polyalkylthiophenes by Metal-Organic Frameworks
Yu Takashima, Taku Sawayama, Nobuhiko Hosono, Takashi Uemura
- 1Pc035 Simultaneous Near-infrared and Small Angle X-ray Scattering (NIR-SAXS) system for polymer analysis
Hideyuki Shinzawa
- 1Pd036 Comonomer compositional distribution analysis of marine-biodegradable polyesters by high-resolution MALDI-TOF mass spectrometry
Naoki KANAYAMA, Sayaka NAKAMURA, Shin SANO, Mami TANAKA, Satoshi MORIKUBO, Kaito SUGANE, Hiroaki SATO, Hideaki HAGIHARA
- 1Pc037 Development of simultaneous SANS/FTIR-ATR measurement system and its application
Fumitoshi Kaneko, Aurel Radulescu, Hiroshi Nakagawa, Yoshinobu Hirata
- 1Pd038 Acoustic properties of polymer gels containing dispersed crosslinked PMMA particles of uniform particle size.
Yusuke Ueta, Kazuhiro Miyamoto, Kyosuke Kamada, Takumi Wada, Takayoshi Hirosue, Isao Mathumoto, Toshio Kondou, Kazuishi Sato, Masahiko Taniguchi
- 1Pc039 Swelling behavior and phase transition of polypeptide gels induced by changing immersed solvents.
Ayuka Hayakawa, Miyu Yamasaki, Shogo Nobukawa, Katsuhiko Inomata
- 1Pd040 Universal governing law of elasticity modulus in 3,4,6,8-branched network gels
Ryo Ohtsuki, Takashi Yasuda, Genki Otomo, Yuuki Yoshikawa, Naoyuki Sakumichi, Takamasa Sakai
- 1Pc041 Toughening of Gels by Introducing Entanglement of Polymer Chains and Measurements of Their Fracture Energy
Midori Murakami, Akifumi Kawamura, Takashi Miyata
- 1Pd042 Star-crosslinked gels: Structural effects of star polymer crosslinkers on gelation behavior and mechanical properties
Souma Suzuki, Shohei Ida, Hiroki Takeshita, Masatoshi Oyama, Keiji Nakajima, Shokyoku Kanaoka
- 1Pc043 preparation of cross-linked materials with disulfide dynamic cross-links based on the block copolymer architecture
Shinji Suzuki, Mikihiro Hayashi, Kanta Yamawake
- 1Pd044 Kinetics of polymerization-induced self-assembly and gelation during the synthesis of a triblock copolymer
Riku Yamanaka, Ayae Narutaki, Rintaro Takahashi
- 1Pc045 Strategy for Reversible Structural Transformation System Between Chemical Gel and Physical Gel by Using Diels-Alder Reaction and Inclusion Reaction
Hana Itou
- 1Pd046 Effect of concentration of ion on the neck propagation of double network hydrogel
Isamu Riku, Koji Mimura
- 1Pc047 Structural Studies on Multinetwork Elastomers
Keitaro Iwasaki, Keisuke Chino, Satoshi Koizumi
- 1Pd048 Long-time control over viscoelasticity of transient networks by specific cleavage
Ryunosuke Kobayashi, Mitsuru Naito, Kanjiro Miyata, Takamasa Sakai, Yuichi Tei, Takuya Katashima
- 1Pc049 Super swelling induces degradation of hydrogels
Shou OHMURA, Tasuku NAKAJIMA, Jian Ping GONG

- 1Pd050 Crystal transition behavior in colloidal crystallization of temperature responsive polymer microgel dispersion
Reina Ota, Hiroki Takeshita, Katsuhisa Tokumitsu

C. FUNCTIONAL POLYMERS AND POLYMER FUNCTIONS

- 1Pd052 Strong adsorption of dyes via electrostatic interaction in high-salinity wastewater
Hongguang LIAO, Hailong FAN, Jian Ping GONG
- 1Pc053 Functionalization of porous silica beads with polyethylenimine and their application to removal of Cr(VI) ions
Ayane Taki, Hiromichi Asamoto, Hiroaki Minamisawa, Kazunori Yamada
- 1Pd054 Effects of Counter Cations on Gas Permeability and Selectivity in Alginic Acid and Alginates Membranes
Hiroki Takachi, Risako Nishida, Kazukiyo Nagai
- 1Pc055 Sorption Properties of Persistent Organic Pollutants/Water Solutions in Marine-Degradable Polymer Membranes
Kazuya Ishino, Keita Yamane, Kazukiyo Nagai
- 1Pd056 Partial Pressure Dependence of Gas Permeability through Polymer Membranes for Removal of Dissolved Carbon Dioxide against Ocean Acidification
Sho Kusajima, Kazukiyo Nagai
- 1Pc057 Temperature Dependence of Gas Permeability through Chitin and Chitosan Membranes for Removal of Carbon Dioxide Dissolved in Water
Yoshie Uchimuro, Sho Kusajima, Kazukiyo Nagai
- 1Pd058 Gas Permeability and Selectivity in ABA-Type Triblock Copolymer Membranes Synthesized from Polyimide and Hydrophobic Methacrylate Derivatives
Ryota Nanbu, Kyohei Maki, Kazukiyo Nagai
- 1Pc059 Effects of Degree of Cross-linking on Gas Permeability and Selectivity in Polymer Membranes Synthesized Using Lignin Degradation Products
Takahiro Hori, Kazukiyo Nagai
- 1Pd060 Molecular Design of ABA-Type Triblock Copolymers Derived from Hydrophilic Polymer and Polyimide for Gas Separation Membranes Using Molecular Simulation
Kyohei Maki, Kazukiyo Nagai
- 1Pc061 Analysis of the Most Stable Structure of Fluorine-Containing Polyimide Gas Separation Membranes Using Molecular Simulation
Hajime Koyama, Kazukiyo Nagai
- 1Pd062 Analysis for Molecular Arrangement of Marine-Degradable Poly(lactic-co-glycolic acid) Membranes Using Molecular Simulation
Keita Yamane, Kazukiyo Nagai
- 1Pc063 Synthesis of catalysts for biodiesel production based on plant-produced materials
Mizuki Harada, Yuji Ueki, Noriaki Seko
- 1Pd064 Construction of a database of polymer properties through the formation of an industry-academia collaboration consortium
Aiko Takahashi, Yoshihiro Hayashi, Ryo Yoshida

D. BIOPOLYMERS AND BIORELATED POLYMERS

- 1Pd066 N₃-tagged siderophore given by metabolic reactions
Rikuto Kawakami, Tomohiro Fukuda, Yukiko Shinozaki
- 1Pc067 Synthesis of well-defined poly(2-acrylamidoethyl sulfinate)
Hiroya Fujishima, Tomohiro Fukuda
- 1Pd068 Preparation and functional characterization of catechol group-modified Alaska

pollock gelatin adhesive to close wet vascular tissue
Kazuhiro Nagasaka, Shiharu Watanabe, Shima Ito, Akihiro Nishiguchi, Hidenori Otsuka, Tetsushi Taguchi

- 1Pc069 Induction of apoptosis by the self-assemblies of polyaromatic compounds
Riku Umemura, Natsumi Shimizu, Kenta Motita, Tatsuo Maruyama
- 1Pd070 A novel method to link in the field of engineering and biological knowledge
Shuichi Hirose, Shogo Yamamoto, Toru Teraya, Masakazu Kobayashi, Hideaki Miyake, Kosuke Baba, Masato Konya, Yoshiaki Fukuda, Ryo Ando, Shigeki Morii, Tadasu Jouzaki, Sachio Mukobayashi, Tatsuya Yamada
- 1Pc071 Hierarchical surface microstructures with friction-reducing effects learning from *Necrophila japonica*
Kazuma Tsujioka, Yuji Hirai, Masatsugu Shimomura, Yasutaka Matsuo
- 1Pd072 Transient structural change of multiblock amphiphiles by chemical reaction cycle
Kanato Saita, Kohei Sato, Kazushi Kinbara
- 1Pc073 Development of multiblock amphiphile for ATP recognition
Haruki Otake, Miki Mori, Kohei Sato, Kazushi Kinbara
- 1Pd074 Synthesis of organic-inorganic hybrid peptide multiblock copolymers and their film properties
Noriaki Ito, Shin-nosuke Nishimura, Tomoyuki Koga
- 1Pc075 Introducing Cross-Linking Structure into Gallol Functionalized Adhesive Sheets
Zheyao Luo, Natsuko Kodani, Hirotaka Ejima
- 1Pd076 Fabrication of adhesive elastomer-films by using phenolic hydroxyl group and adhesion measurement of them.
Daiki Sekita, Yosuke Mizuno, Hajime Fujita, Toshinori Fujie
- 1Pc077 Inhibition of DNase I by aggregation of low molecular weight compounds
Shunsuke Habe, Natsumi Shimizu, Kenta Morita, Tatsuo Maruyama
- 1Pd078 Synthesis of Photo-responsive Oligo(ethylene glycol) Derivatives with Phenylboronic Acid Groups and Their Applications to Killing Cancer Cells
Yoshitaka Hattori, Akifumi Kawamura, Takashi Miyata
- 1Pc079 The self-assembly behaviors of linear, star-shaped and cyclic amphiphilic glycopolymers in aqueous solution.
Naoki Ozawa, Tomoki Nishimura
- 1Pd080 Control of Cell Adhesion by Hydrated Polymer Substrates and Application to 3D cell culture
Kotomu Miyazaki, Michiharu Kawahara, Takahisa Anada, Masaru Tanaka
- 1Pc081 Study of the correlation between amino acid motifs and supercontraction in the major ampullate spidroin based on the spider silk database Silkome.
Akitaka Furuichi, Takuma Kawaguchi, Choon Pin Foong, Keiji Numata
- 1Pd082 Controlled Crystal Growth of Hydroxyapatite on Collagen Oriented Immobilized Films for Bone Repair Materials
Aika Hashizume, Masahiro Higuchi, Shogo Matsubara
- 1Pc083 Fabrication and wettability evaluation of Janus films inspired by snakeskins
Yuki Ishikawa, Daisuke Ishii

E. POLYMERS AND ENVIRONMENT

- 1Pd086 Accumulation of biopolyester by two or three steps cultivation from *p. putida*
Tomoki Kawamoto, Takahiko Nakaoki
- 1Pc087 Biosynthesis and molecular weight of block copolymers by using odd-chain and even-chain fatty acids as carbon sources by *P. putida*.
Kei Okumura, Tenma Nishimura, Takahiko Nakaoki
- 1Pd088 Synthesis of Saturated/Unsaturated Poly(ester-thioether)s by Thiol-Ene/Yne

Click Polymerization and the Biodegradability

Katsuhisa Yano, Akinori Takasu

- 1Pc089 Near-complete biodegradation in seawater of a wide variety of polyesters by thermal embedding of Humicola insolens cutinase
Qiuyuan Huang, Satoshi Kimura, Tadahisa Iwata
- 1Pd090 TEM observation on highly-ordered structures of microbial polyester fibers to elucidate enzymatic degradation mechanisms.
Naotaka Kimura, Taizou Kabe, Satoshi Kimura, Tadahisa Iwata
- 1Pc091 Surface oxidation of microbial polyester films via photo-activated chlorine dioxide radical and comparison of the influence on the properties
Jobu Tateiwa, Yu-I Hsu, Hiroshi Uyama, Tadahisa Iwata
- 1Pd092 Synthesis and Biodegradability of Poly(ester-amide)s with Alternating Sequences
Senri HAYASHI, Tomohiro HIRAISHI, Hideki ABE
- 1Pc093 Development of novel liquid crystalline sequence-controlled copolyesters with glycolic acid
Yuushou Nakayama, Chigen Kinoshita, Ryo Tanaka, Takeshi Shiono, Tatsuo Kaneko, Shodai Hino, Norioki Kawasaki, Naoko Yamano, Atsuyoshi Nakayama
- 1Pd094 Correlation between the enzymatic degradation rate and the size of the free-volume holes of polylactic acid film using positron annihilation lifetime spectroscopy
Azusa Togo, Hideaki Hagihara
- 1Pc095 Effect of Composition of Esterified Low Crystalline Cellulose on Physical Properties of Poly(lactic acid)
Kaito Sukagawa, Akihiro Nishioka, Tomonori Koda, Bungo Ochiai
- 1Pd096 Synthesis, characterization, and biodegradation of co-polyesters consisting of divanillic acid with free hydroxyl groups
Yukiko Enomoto, Kentaro Fujieda, Qiuyuan Huang, Tadahisa Iwata
- 1Pc097 Synthesis and evaluation of marine-degradable poly(lactic acid) and polycaprolactone alternating multiblock copolymers
Atsuki Takagi, Yu-I Hsu, Hiroshi Uyama
- 1Pd098 Machine-learning prediction of plastic performance using analytical features
Hiroyuki Suzuki, Shunsuke Mori, Sayaka Tanimoto
- 1Pc099 Biodegradability of phosphorylated ethylene-vinyl alcohol copolymer
Muneharu Kurosaki, Yukihiro Kshimoto, Takumi Okihara
- 1Pd100 Research of tire and road wear particles (TRWP) in the environment
Nao OSAKA, Hironori TAGUCHI, Takako KIKUCHI
- 1Pc101 Observation and analysis of biofilms absorbed on plastic surfaces
Akihiro Mizuyama, Olaf Karthaus
- 1Pd102 Evaluation of immune response to polymeric materials using intestinal epithelial cells and macrophages
Tsuyoshi Kimura, Ruri Ishigaki, Liang Chen, Moeko Hagiwara, Yoshihide Hashimoto, Takahide Matsushima, Hiroshi Asahara, Wataru Nomura, Naoko Nakamura, Masaya Yamamoto, Kishida Akio
- 1Pc103 Biodegradation of aliphatic polyesters with preserved seawater
Atsuyoshi Nakayama, Shodai Hino, Norioki Kawasaki, Naoko Yamano, Kazuyuki Kiyosue

Presentation Time

<e = 15:15~15:55>

<f = 15:55~16:35>

A. POLYMER CHEMISTRY: SYNTHESIS AND REACTIONS

- 1Pe001 Polyester synthesis via Ring-opening Alternating Copolymerization of Cyclic

anhydride and Oxetane using organocatalysts
Iyoka Ota, Ryota Suzuki, Tianle Gao, Xiaochao Xia, Feng Li, Takuya Isono, Toshifumi Satoh

- 1Pf002 Synthesis of triblock terpolymers by controlled-living polymerization and their self-assembly studies
Yu-Chuan Sung, Po-Ting Chiu, Kai-Chieh Yang, Jing-Cherng Tsai, Hsiao-Fang Wang, Rong-Ming Ho
- 1Pe003 Anionic polymerization of acrylates and transesterification of the obtained polymers with bulky zincate
Yuzuki Kobayashi, Miyuki Oshimura, Tomohiro Hirano, Koichi Ute
- 1Pf004 Ring-opening copolymerization of trans- and cis-cyclohexane-1,2-diylcarbonate and thermal characteristic of obtained copolymer.
Yu Satake, Makoto Akita, Osamu Haba, Hisanari Yoneda
- 1Pe005 Synthesis and properties of UV-curable polysulfides with pendant a methacryloyl group on the Side Chain
Koichi Hirose, Ryouta Tsutsui, Hiroto Kudo
- 1Pf006 Anionic Polymerization of Alkyl Sorbate with Phosphine as Initiator and Subsequent Ring-Closure without Highly Diluted Condition
Hiroki Ito, Akinori Takasu, Masahiro Higuchi
- 1Pe007 Lewis pair polymerization of alkyl sorbate by strong base and stereoregularity
Yuto Ide, Hiroki Ito, Akinori Takasu, Masahiro Higuti
- 1Pf008 Interacting Lewis pair polymerization of acrylates
Akinori Takasu
- 1Pe009 Development of anionic polyaddition of 1,1-diphenylethylene derivatives
Honoka Matsumoto, Kaoru Adachi
- 1Pf010 Anionic polymerizations of styrene with benzyltrimethylsilane derivatives and fluoride ion as initiator systems
Daichi Fuyuki, Kosuke Nakano, Kaoru Adachi
- 1Pe011 Living Anionic Polymerization of Methacrylates by Benzyltrimethylsilane-Metal Alkoxide Initiator System and Its Application to Multibranched Polymer Synthesis
Yujiro Hiraki, Masaya Terasaki, Kaoru Adachi
- 1Pf012 Benzylsilane-Metal Alkoxide Initiator Systems for the Anionic Polymerization of Vinyl Monomers
Masaya Terasaki, Yujiro Hiraki, Kaoru Adachi
- 1Pe013 Brook rearrangement anionic polymerization of epoxides
Asuka Hamaguchi, Masaya Terasaki, Kaoru Adachi
- 1Pf014 Role of TBD as a guanidine organic catalyst in the ring-opening polymerization of trimethylene carbonate
Naoto Hirano, Hiroaki Yoshida, Hiroharu Ajiro
- 1Pe015 Chemoselective anionic polymerization of diacrylates by Lewis pair catalyst
Masatoshi Deshimaru, Shin-ichi Matsuoka, Masato Suzuki
- 1Pe017 Synthesis of end-functionalized poly(alkoxycarbonylmethylene)s by azide-alkyne click reaction
Yusuke Kuzukawa, Hiroaki Shimomoto, Tomomichi Itoh, Eiji Ihara
- 1Pf018 New Homogeneous Tungsten Catalysts for Bulk Metathesis Polymerization of Cycloolefins
Toshiyuki Oshiki, Kousuke Sano, Hiroto Nagai
- 1Pe019 Synthesis of EPM from diamionaphthalene-protected boronic acid-containing monomers
Yusuke Bando, Ryo Tanaka, Yushou Nakayama, Takeshi Shiono
- 1Pf020 Synthesis of Poly(quinolylene-2,3-methylene)s Bearing a Cysteine Derivatives as the Chain-End

Naoya Kanbayashi, Sora Odagaki, Hiroyuki Hirakawa, Hiroyuki Kato, Kiyotaka Onitsuka

- 1Pe021 Stereospecific Styrene Polymerization by a Bis(benzimidazole)Nickel Dichlorido Complex
Kei Nishii, Kakeru Tsukahara, Syouta Miyata, Yasuyuk Ueda, Tomoyuki Toda, Shun Ohta
- 1Pf022 Direct Alkenylation Polycondensation based on Electrophilic Concerted Metalation-Deprotonation (eCMD)
Daichi Terauchi, Ryota Iwamori, Tomoki Iida, Junpei Kuwabara, Takaki Kanbara
- 1Pe023 Design and synthesis of a narrow-bandgap polythienylenevinylene via Co-catalyzed hydroarylation polyaddition
Kenta Miyata, Ryota Iwamori, Junpei Kuwabara, Takaki Kanbara
- 1Pf024 Pd-Catalyzed Nonstoichiometric Polycondensation via Direct Arylation of Thiophene-type Monomer
Taiki Goto, Risa Takimoto, Junpei Kuwabara, Takaki Kanbara
- 1Pe025 Controlled Copolymerization by Metal Complexes [95] Alternating Copolymerization of Carbon Dioxide and Terminal Epoxides with Various Side Chains and Properties of the Copolymers
Minayo Osanai, Ko Okuda, Ai Fuwa, Masayoshi Honda, Hiroshi Sugimoto
- 1Pf026 Synthesis of end-functionalized polyalkenylcyclohexanes and their block copolymers by diimine palladium complexes
Yuta Kimura, Kosuke Ota, Daosuke Takeuchi
- 1Pe027 Preparation of optically active poly(naphthalene-1,4-diyl) by asymmetric polymerization and circularly polarized light irradiation
Qingyu Wang, Masayoshi Ogasawara, Takeshito Ohji, Masayoshi Bando, Tamaki Nakano
- 1Pf028 Development of All-Conjugated Semiconducting Donor-Acceptor Block Copolymers Containing Twisted Stress-Releasing Units
Akira Hironaka, Tomoya Higashihara
- 1Pe029 Polymerizations of norbornene derivatives synthesized by isomerization of Binor-S
Eri Funahashi, Shin-ichi Matsuoka, Masato Suzuki
- 1Pf030 Synthesis of polyolefin with cyclopropane ring by titanium catalyst and post-polymerization modifications.
Yusuke Iwata, Shin-ichi Matsuoka, Takeshi Shiono, Masato Suzuki
- 1Pe031 Exception Search in Databases for Polymers with Practically Contradictory Properties of Heat Resistance and Transparency
Yasuyuki Nakamura, Alice Gros, Wenhao Zhang, Keitaro Sodeyama, Masanobu Naito

B. POLYMER PHYSICS: STRUCTURE AND PROPERTIES

- 1Pe033 Effects of Branching and Crosslinking Structures on Thermoresponsive Properties of Hydrophilic/Hydrophobic Random Copolymers of Acrylamide Derivatives
Asahi Jotatsu, Shohei Ida, Kanaoka Kanaoka
- 1Pf034 Synthesis and mechanical properties of hydrogels with hydrophobic crosslinked-domains using polymerization-induced self-assembly process in organic solvents
Kaho Harada, Shohei Ida, Shokyoku Kanaoka
- 1Pe035 Preparation of Cured Materials from Epoxidized Butadiene Oligomer toward Low Dielectric Property and Evaluation of Their Properties
Sho Morinaga, Yasuyuki Mori, Naomi Sato, Tomoyuki Iwashima, Toyofumi Shinozuka, Takehiro Kawauchi, Yoshio Furusho, Takeshi Endo
- 1Pf036 Preparation and evaluation of photo-crosslinked polysilicone films utilizing alicyclic epoxy units

Shiori Hashiguchi, Masahiko Kawata, Satoshi Watanabe, Takeo Nakano, Kimihiro Matsukawa, Masashi Kunitake

- 1Pe037 Phenolic resin using glycol lignin
Hajime Kimura, Morio Yonekawa, Yasunori Ohashi, NGE Thi Thi, Yusuke Matsumoto, Tatsuhiko Yamada
- 1Pf038 Epoxy resins with high heat resistance via a new process
Hajime Kimura, Morio Yonekawa
- 1Pe039 Kinetic control of cross-linking reaction on polydimethylsilicone elastomers
Masato Nakamura, Masahiko Kawata, Masashi Kunitake
- 1Pf040 Synthesis of siloxane polymers with controlled double-ended structure
Tatsuya Gondo, Naohiro Sugita, Masahiko Kawata, Satoshi Watanabe, Masashi Kunitake
- 1Pe041 Correlation between strain-induced crystallization in slide-ring ion gels and their mechanical properties
Takato Enoki, Kei Hashimoto, Kohzo Ito, Koichi Mayumi
- 1Pf042 Properties of thermosetting-resins obtained from bismaleimide derivatives and silicon-containing copolymers
Shusei Sato, Tsubasa Onoue, Tsukasa Ichikawa, Nobukatsu Nemoto, Yuki Hakamata, Kazuto Umezu
- 1Pe043 Toughening of Ester Vitriimer Resin by Addition of Polyester Grafted Polyrotaxane
Masaki Hirano, Shota Ando, Hideaki Yokoyama, Kohzo Ito
- 1Pf044 Supermolecular structure and mechanical properties of olefinic thermoplastic vulcanizates.
Ouki Urata, Akihiko Morikawa, Asae Ito, Yusuke Hiejima, Koh-hei Nitta
- 1Pe045 Synthesis and Characterization of Phase-Separated Gels Using Immiscible Dual Solvent Systems
Ryuto Soma, Shohei Ida, Shokyoku Kanaoka
- 1Pf046 Structural Analysis of Polyelectrolyte Membranes using SANS Measurements for Humidity Variation
Shin-ichi Takata, Hiroshi ARIMA, Kosuke HIROI
- 1Pe047 Relationship between polymer structure and infrared active of molecular H₂ dissolved in polymers
Hiroaki Ono, Yuzo Itoh

C. FUNCTIONAL POLYMERS AND POLYMER FUNCTIONS

- 1Pe049 Development of ion-conductive hybrids by combining of silsesquioxane and deep eutectics
Tomohito INOUE, Yuito SONTA, Takuto OHASHI, Hideharu MORI
- 1Pf050 Synthesis of amorphous polymer-grafted ZnO nanorods and evaluation of their alignment behavior
Asuka Hayashi, Kaho Nakano, Miho Aizawa, Kyohei Hisano, Shoichi Kubo, Atsushi Shishido
- 1Pe051 Mechanical Properties of Hybrid Films with Rod-Shaped Silica Particles Dispersed
Hideji Sato, Shuta Hara, Takayuki Ikehara
- 1Pf052 Preparation and Functional Evaluation of Composite Materials Based on Gallium-Indium Eutectic Liquid Metal and Polymers.
Christopher Hiromi SHIMAMURA, Shunichiro ITO, Kazuo TANAKA
- 1Pe053 Hybrids of Dawson-type polyoxometalate with an amphiphilic diblock polypeptid about specific structure and properties.
kai miyamoto, keita kuroiwa
- 1Pf054 Development of dispersants that can reversibly modify the aggregation of

inorganic nanoparticles in elastomers by photoisomerization
Yuumi Takeoka, Takayuki Ikehara, Shuta Hara

- 1Pe055 Self cross-linking reaction of polymer with metal-coordination unit with various metal ions
Daisuke Nagai, Naoki Isobe, Shusuke Okamoto, Yasuyuki Maki
- 1Pf056 Suzuki-Miyaura coupling reaction catalyzed by chiral silica supported palladium
Shunpei Yoshimori, Renhua Jin
- 1Pe057 Composite mechanism and characterization of core-shell aromatic polyamide-silica particles
Yayoi Yoshioka
- 1Pf058 Preparation and Mechanical and Thermal Properties of Poly (Vinyl Butyral)/Single-Walled Carbon Nanotube Nanofiller Composite Film
Minori Higuchi, Tetsuya Uchida
- 1Pe059 High-order structure and fracture toughness of simultaneously polymerized amorphous / crystalline polymer blends
Shiho Kuwashiro, Kousaku Tao, Yoshiro Hatanaka, Keitaro Kago, Seiji Higashi, Hiroshi Hirano, Hajime Kishi
- 1Pf060 Prepared and Physical Properties carbon-neutral compliant CNT/bio-HDPE nanocomposites
Isao Odaka, Toru Noguchi, Kenzi Takeuchi, Morinobu Endou, Yasuo Banba, Yuiti Arai, Naoya Sugata
- 1Pe061 Effect of High Local Strain Rate on Toughening of Viscoelastic Composites
Ryo Kato, Daniel R. King, Ryuji Kiyama, Takuya Nishimura, Tsuyoshi Okumura, Jian Ping Gong, Takayuki Kurokawa
- 1Pf062 Synthesis of star-shaped phenyl-substituted POSS and their surface segregation behavior
Rina Tajikawa, Ichiyo Tokuami, Mayu Nagao, Arifumi Okada, Hiroaki Imoto, Kensuke Naka
- 1Pe063 Purification of high heat resistance rigid polymer nanofibers and their applications in polycarbonate composite films.
Takafumi Mitsue, Tetsuya Uchida
- 1Pf064 Development of Fibrous CO₂ Adsorbent Using Quantum Beam
Kentaro Uchimura
- 1Pe065 Spider-like fluidic wet-spinning from micellar solutions
Shunsaku Ito

F. INDUSTRIAL POLYMERS AND TECHNOLOGY

- 1Pe067 Effect of morphology on high-pressure hydrogen induced blister in amine cured Bis A type epoxy resins with poly(N-phenylmaleimide-alt-styrene) domains.
Tatsuru Nishikawa, Hiroaki Ono, Hirotada Hujiwara, Shin Nishimura
- 1Pf068 Green/red color-changing pH-response textile: A home-made method
Kajiya Daisuke
- 1Pe069 In-situ observation of degradation reaction of PET at room temperature - Understanding higher-order structure for chemical recycling-
Haruka Nagai, Satoshi Koizumi, Yohei Noda
- 1Pf070 Performance and application of novel antibacterial polymers
Hidenori Naruse, Kouichi Sumi, Tomokazu Miyazaki, Hiroaki Imoto, Masato Suzuki
- 1Pe071 Creation of penguin-feather-inspired water-resistant structures by the electrospinning method
Ryosuke Kawasaki, Daisuke Ishii, Yosuke Zaitso, Masanori Kurita
- 1Pf072 Introduction of gradient structure into hydrogel by immersion method and its application

Shunsuke Nagahama

- 1Pe073 Preparation of alumina/thiourethane composites and effects of surface modifiers and matrix monomers on the physical properties
Hideki Sugimoto, Kazuki Okabe
- 1Pf074 Preparation and properties of alumina/acrylic composites with dynamic covalent bonding sites
Takeru Matsuo, Yuma Fujita, Hideki Sugimoto
- 1Pe075 Visualization of Fibrillated Cellulose in Polymer Composites for Understanding the Mechanical Properties
Keita Sakakibara
- 1Pf076 Predictions of Fiber Length Distribution in Fiber Reinforced Plastics and Mechanical Properties after Recycling by Machine Learning
Kohei Koyanagi, Koji Mukai, Yuji Yamanaka, Keiichiro Nomura
- 1Pe077 Near infrared light melt adhesive particles
Kenshin Yamamoto, Kanade Matsui, Ayuna Takenaka, Masaru Kotera, Tomoyasu Hirai, Yoshinobu Nakamura, Syuji Fujii
- 1Pf078 Construction of graphene-containing zwitter wetttable surfaces with self-healing and antifogging properties
Kengo Manabe, Yasuo Norikane
- 1Pe079 A novel approach to preparing the adhesive epoxies collaborated with machine learning for mechanical property enhancement
Paripat Kraisornkachit, Masanobu Naito, Chao Kang, Chiaki Sato, Yu Sekiguchi
- 1Pf080 low odor biomass hot melt adhesive
Masashi Ishioka, Hideki Tsukuda, Masaru Kotera, Masahiko Hashimoto

D. BIOPOLYMERS AND BIORELATED POLYMERS

- 1Pf082 PEG-grafted degradable thermoresponsive hydrogels that can repeatedly remove adsorbed proteins
Naoki Kamei, Syuuhei Komatsu, Akihiko Kikuchi
- 1Pe083 Synthesis of poly(lactic acid)-poly(methoxyethyl methacrylate)-ABA triblock copolymers for biodegradable thermoplastic elastomers
Natsumi Sugishima, syo Sakuta, Nobuo Murase, Yuichi Ohya
- 1Pf084 Analysis of hydration states and evaluation of antithrombogenicity of functionalized cyclo-olefin polymer
Kaito Hamasaki, Shingo Kobayashi, Masaru Tanaka
- 1Pe085 Cell adhesion behavior of poly(L-lactide-co-glycolide)-poly(1,5-dioxepan-2-one) multiblock copolymers
Mitsutoshi Jikei, Xoan Vu Thi, Nozomi Tanaka, Kazuya Matsumoto, Haruka Honda, Masaki Hikida, Shigeharu Ueki
- 1Pf086 Interaction between zwitterionic copolymer composed of polyacrylamide with L-lysine in the side chain and MPC and fibrinolytic proteins
Tomoya Nakago, Yuto Oki, Seiryu Hirao, Kaito Hatate, Kouhei Shiraishi
- 1Pe087 Development of phospholipid polymer biomaterials for non-invasive cell separation using the affinity of phenylboronic acid to cell membrane glycans
Masaki Harada, Yuta Yoshizaki, Tomohiro Konno
- 1Pf088 Crystal Structure Control of Electrospun Nanofibers for Efficient Removal of Excess Phosphorus in Blood
Makoto Sasaki, Kaho Takahashi, Mitsuhiro Ebara
- 1Pe089 Preparation of retinal prosthesis using photoelectric dyes coupled to cellulose nanofiber film
Masato Matsushima, Tetsuya Uchida
- 1Pf090 Influence of surface structures of polymeric biomaterials on cell behaviors
Tomoko Hashimoto, Kosei Ito, Yasushi Tamada

- 1Pe091 Development and functional evaluation of green fluorescent protein-encapsulated core-shell fibermats
Yuna Kato,Toshihisa Mizuno

E. POLYMERS AND ENVIRONMENT

- 1Pe093 Condensation polymerization of (R)-3-hydroxybutyric acid and 12-hydroxystearic acid
Norioki Kawasaki,Shodai Hino,Naoko Yamano,Atsuyoshi Nakayama
- 1Pf094 Synthesis of poly(ester-thioether) using click polymerization of tartaric acid and dianhydrosugar and biodegradability
Ryota Imamura
- 1Pe095 Development of biodegradable plastics based on general-purpose plastics
Kensuke Miyazaki,Takashi Yoshida
- 1Pf096 Improvement in the heat resistance of bio-based polymer modified epoxy resins
Yu Matsuo,Kenji Mimura
- 1Pe097 Demethylation of Glycol Lignin and Antioxidative ability of its FRP composite material
Yumemi Ishigaki,Ayumi Kobayashi,Kohei Iritani,Misato Kashiba,Wataru Okumura,Thi Thi Nge,Tatsuhiko Yamada,Takashi Yamashita
- 1Pf098 Preparation and characterization of vitrimers from bio-based aromatics and carboxylic acids
Yunfan Zhang,Hideki Abe
- 1Pe099 Synthesis of triazine-core trifunctional thiirane compounds and properties of cured products
Miyu Satake,Tadashi Tsukamoto,Yoshiyuki Oishi,Yuji Shibasaki
- 1Pf100 Investigation of mechanical property and biodegradability of polyisoprene rubber with reversible B-O bond
Shun Kumano,Shintaro Nakagawa,Naoko Yoshie
- 1Pe101 Fabrication of water-absorbing polymer blended nanofiber by using polyvinyl alcohol copolymer for plant growth
Takuma Yamashita,Toshihisa Tanaka
- 1Pf102 Multiblock copolymers composed of poly(ϵ -caprolactone)/ β -sheet forming oligophenylalanine with both biodegradability and shape memory property
Shinnosuke Nishimura,Yu Nakayama,Tomoyuki Koga
- 1Pe103 Compatibility and Mechanical Properties of Chlorella/Polymer Matrix Composites Depending on Combined Conditions
Kohei IRITANI,Akari BABA,Ayumi KOBAYASHI,Takashi YAMASHITA
- 1Pf104 Degradable properties of micro- and nano-patterned films
haruki uchida,yohei Kotsuchibashi
- 1Pe105 Reversible photo-polymerization and thermal depolymerization of necklace-shaped poly dimethyl siloxanes with anthracene dimers in main chains
Atsuro Mori,Agamoni Pathak,Satoshi Watanabe,Masashi Kunitake
- 1Pf106 Polyurethane (PU) resins composed of photolabile carbamoyl oxime ester units
Kanji Suyama,Hirokazu Hayashi,Hideki Tachi
- 1Pe107 Control of marine biodegradation by photosensitizer
Shodai Hino,Akihiko Masui,Hideo Okamura,Norioki Kawasaki,Naoko Yamano,Atsuyoshi Nakayama

Thu. May 25

Presentation Time

<a = 10:15~10:55>

<b = 10:55~11:35>

A. POLYMER CHEMISTRY: SYNTHESIS AND REACTIONS

- 2Pa001 Borane-N,N-diethylaniline complex that exhibits radical polymerization initiating ability under air atmosphere
Shuichi Kanno
- 2Pb002 Living-like polymerization behavior of the radical polymerization initiated with S-alpine-borane
Shuichi Kanno
- 2Pa003 Properties of butoxydibutylborane as the unique radical polymerization initiator
Shuichi Kanno
- 2Pb004 Unique radical polymerization initiated with the ionic liquid such as 1-ethyl-2,3-dimethylimidazolium bromide
Shuichi Kanno
- 2Pa005 Radical and anionic polymerizations by Lewis pair catalysts of metal triflates and PPh₃
Riki Akita, Mayo Horibe, Shin-ichi Matsuoka, Masato Suzuki
- 2Pb006 Machine learning with interpretable parameters and prediction of grafting degree in radiation-induced graft polymerization
Kiho Matsubara, Yuji Ueki, Noriaki Seko, Takeshi Matsuda, Kei Takahashi, Ryohei Kakuchi
- 2Pa007 Synthesis and Characterization of Polyacrylate with Hydrogen Bonding Functional Group on the Side Chain
Yuuki Hirose, Ikuyoshi Tomita, Takeshi Endo
- 2Pb008 Development of plastic antibodies with uniform steric configuration
Shota Iseri, Sotaro Akashi, Masanori Nagao, Yoshiko Miura, Toshikazu Ono, Hisashi Shimakoshi, Yu Hoshino
- 2Pa009 Synthesis of alternating copolymers bearing quaternary ammonium salts and their functional properties
Baku Koito, Jin Motoyanagi, Masahiko Minoda
- 2Pb010 Development of a method for controlling sequence of acrylic polymers by site-specific sidechain conversion.
Honoka Moriguchi, Yusuke Saito, Hinako Iwamoto, Shota Iseri, Toshikazu Ono, Hisashi Shimakoshi, Yu Hoshino
- 2Pa011 Reversible Chain Transfer Catalyzed Polymerization Using Carbon Catalysts in Miniemulsion System
Masaya Sadakane, Yukiya Kitayama, Eiji Yuba, Atsushi Harada
- 2Pb012 Photo-initiated RAFT polymerization using titania nanoparticles
Shuji Zenke, Tomonari Tanaka
- 2Pa013 Preparation of Intermolecular Dye-stacked Luminescent Oligomers Using RAFT Polymerization
Masaya Ifuku, Shota Iseri, Yuto Konishi, Hisashi Shimakoshi, Toshikazu Ono, Yu Hoshino
- 2Pb014 Synthesis and radical polymerization of [3.4](3,9)carbazolophane derivatives having a polymerizable group
Keita Tani, Rin Sotani, Kazushige Hori, Masatsugu Taneda, Kenta Goto, Fumito Tani, Yuji Kinose, Yoshinobu Tsujii, ayaka maeno, Hiroyuki Tanaka, Hironori Kaji
- 2Pa015 Chirality induction in radical polymerization of bulky styrene derivatives
Masayoshi Bando, Ziyong Fang, Tamaki Nakano
- 2Pa017 Polyurethane synthesis using poly(δ -decanolactone) containing an azobenzene core
Marin Takeuchi, Ryo Kawatani, Shogo Nobukawa, Yasuhiro Kohsaka
- 2Pb018 Toughening of Methacrylic Resin with Interpenetrated Rotaxane Crosslinker
YUSEI YAMAUCHI
- 2Pa019 PEG/Cation Random Terpolymer Micelles: Salt-Induced Thermoresponse and Gelation in Water

Rikuto Kanno, Makoto Ouchi, Takaya Terashima

- 2Pb020 Design and Microphase Separation of Cation/Alkyl Pendant Polymers: Water Affords Nanostructure Construction and Morphology Control
Ryota Sujita, Makoto Ouchi, Takaya Terashima
- 2Pa021 Design and Water-Assisted Microphase Separation of Acrylic Acid Salt-Based Random Copolymers
Yuki Horiike, Koyo Asai, Makoto Ouchi, Takaya Terashima
- 2Pb022 Thermal Properties and Microphase Separation of Hydrogen-Bonding Random Copolymers Bearing Cyano Groups as Pendants
Kenshiro Iguchi, Rikuto Kanno, Makoto Ouchi, Takaya Terashima
- 2Pa023 Synthesis and Evaluation of Monodisperse Amphiphilic Oligomers Composed of Long-Chain Alkyl Groups and Hydrophilic Segments
Toa NAKANE, Hironobu WATANABE, Mineto UCHIYAMA, Masami KAMIGAITO
- 2Pb024 Synthesis of monolayer π -conjugated nanosheets using a MOF
Shun Tsukamoto, Hidemitsu Iwamoto, Takumi Miura, Takashi Kitao, Takashi Uemura
- 2Pa025 Synthesis of asymmetric double-stranded polymers within the nanochannels of MOF
Rintaro Yamaguchi, Yuki Kametani, Takashi Uemura
- 2Pb026 Synthesis of self-assembling/stimuli-responsive copolymers with photo cross-linkable tyrosine unit
Aoi TAKENAKA, Ryo YONENUMA, Yurika TANI, Hideharu MORI
- 2Pa027 Synthesis of sulfonium cation-containing nano-objects by polymerization-induced self-assembly (PISA)
Hirotsugu MIYAKAWA, Chiharu KUMANO, Hideharu MORI
- 2Pb028 Carboxylation of hydroxy-functional poly(vinyl ether)s and their physical hydrogelation
Hiroko Shimbo, Atsushi Matsumoto, Yasushi Maeda, Shinji Sugihara
- 2Pa029 Surface characterization of poly(alkyl methacrylate) copolymer bearing with both perfluorobutyl and dimethylamino groups
Takumi Ohmura, Kenji Sugiyama
- 2Pb030 Development of polymer degradation system inspired by biopolymer degradation: precise synthesis of degradable polymers from vinyl ethers and lactide
Akihisa Numao, Arihiro Kanazawa, Sadahito Aoshima
- 2Pa031 Synthesis of imidazolium carboxylate-containing vinyl ether block copolymers and their characteristic thermoresponsive behavior
Nene Maruyama, Naoki Matsuo, Arihiro Kanazawa, Sadahito Aoshima

B. POLYMER PHYSICS: STRUCTURE AND PROPERTIES

- 2Pa033 Investigation of crystal for poly(3-hydroxyalkanoate) by high resolution solid state ^{13}C NMR
Syunya Oriuchi, Takahiko Nakaoki
- 2Pb034 Adsorption in the nanopore E-of form syndiotactic polystyrene.
Manato Yamawaki, Takahiko Nakaoki
- 2Pa035 Film strength of Syndiotactic Polystyrene at different cast temperature.
Mikito Nishioka, Takahiko Nakaoki
- 2Pb036 Separation of butanol in butanol/acetone mixed solution by nanoporous syndiotactic polystyrene
Rei Miyauchi, Takahiko Nakaoki
- 2Pa037 Millisecond-scale analyses of melt-drawing behavior of ultrahigh-molecular-weight polyethylene
Ayaka Takazawa, Masaki Kakiage, Hiroki Uehara, Takeshi Yamanobe, Shinichi

Asai, Shoko Naruke, Takuya Ohnishi, Yasutake Wakabayashi, Kouki Aoyama, Hiroshi Sekiguchi

- 2Pb038 Melt-drawing behavior of ultrahigh-molecular-weight linear low-density polyethylenes having different numbers of branches
Miku Oyamatsu, Kazuma Igarashi, Ayaka Takazawa, Masaki Kakiage, Hiroki Uehara, Takeshi Yamanobe, Shinichi Asai, Shoko Naruke, Takuya Ohnishi, Yasutake Wakabayashi, Kouki Aoyama, Hiroshi Sekiguchi
- 2Pa039 Motion of Impurity Ions and Estimation of Size of Hole for Ion Transport in Polymer Solids
Yuichi Anada
- 2Pb040 Ductile fracture mechanism of stretched poly (methyl methacrylate) film
Seiya Mori, Yoshito Kitagawa, Shogo Nobukawa, Katsuhiro Inomata
- 2Pa041 Chiral selecting crystallization of helical polymers: A molecular dynamics simulation
Takashi Yamamoto
- 2Pb042 Appropriate processing condition to enhance the crystallization rate for poly(3-hydroxybutyrate-co-3-hydroxyhexanoate)
Khunanya Janchai, Takumitsu Kida, Masayuki Yamaguchi, Takenobu Sunagawa, Tetsuo Okura
- 2Pa043 Anti-freezing Effect of Central Metal on Porphyrin Supercooled Liquid and Glass
Minami Nakamura, Yusuke Miyake, Sono Sasaki, Mitsuhiko Morisue
- 2Pb044 Higher-order structure and mechanical properties for poly(oxymethylene) containing branched structure
Tetsuya Kotani, Hiroki Takeshita, Katsuhisa Tokumitsu, Yuhki Kanda
- 2Pa045 Flory-Huggins interaction parameter of Polyisoprene/Poly(4-iso-Butylstyrene) Miscibility Blends Evaluated by SANS Measurements
Kaito Suzuki, Takato Ishida, Takashi Uneyama, Yuichi Masubuchi, Atsushi Takano, Yuya Doi
- 2Pb046 Small-angle scattering analysis using machine learning
Atsushi Kawase, Tsuyoshi Koga
- 2Pa047 The Study on Mechanical Behavior of Thermoplastic Vulcanizates during Elongation Using Nano-Palpation Atomic Force Microscopy
Gakuto Kojima, Mari Hanai, Makiko Ito, Xiaobin Liang, Ken Nakajima
- 2Pb048 The study on elastic modulus of PP/SEBS blends using nano-palpation atomic force microscopy
Mari Hanai, Makiko Ito, Xiaobin Liang, Ken Nakajima
- 2Pa049 Structure and Mechanical Properties of Composites Containing Nanocellulose and Polyrotaxane in Fluorinated Polymer Matrix
Pinjung CHU, Kai XU, Atsuhiko FUJIMORI
- 2Pb050 Thermal Conductivity and Mechanical Property of Liquid Crystalline Epoxy/Cellulose Nanofiber Composites
Miku Kimura, Miyuki Harada
- 2Pa051 Fracture Toughness of Liquid Crystalline Epoxy/Layered Clay Composites
Hiroya Yamamoto, Miku Kimura, Miyuki Harada
- 2Pb052 Investigation of shape memory ability and mechanical properties of carbon fiber/acrylic resin composites
Kazuma Sugimoto, Kenta Sumiya, Shogo Nobukawa, Katsuhiro Inomata

C. FUNCTIONAL POLYMERS AND POLYMER FUNCTIONS

- 2Pb054 Development of structural color pigments using concentrated brush type core shell polymer particles
Yuma Kumasaka, Kazushi Enomoto, Moriya Kikuchi, Masumi Takamura, Seigou Kawaguchi

- 2Pa055 Visible light induced radical curing of multi-functional acrylates using chloranil and arene
Keigo Hayashi, Daisuke Aoki, Koji Arimitsu
- 2Pb056 Visible light induced anionic curing behavior of epoxy-thiol mixed resins doped with a sensitizer
Yuga Morikawa, Daisuke Aoki, Koji Arimitsu
- 2Pa057 Step- π -conjugated polymers (193) Synthesis of A, B-block macromolecular wires with different energy levels for long-lived charge separation.
Takuya Inoue, Haoxuan Guo, Hiroyuki Aota
- 2Pb058 Step- π -conjugated polymers (194) Synthesis of A, B-block amphiphilic macromolecular wire for interphase photoinduced electron transfer
Shota Shimaoka, Haoxuan GUO, Hiroyuki Aota
- 2Pa059 Step- π -conjugated (195) Consideration of electron transfer path of macromolecular wire
Rio Matsunaga, Haoxuan GUO, Hiroyuki Aota
- 2Pb060 Step- π -conjugated polymers (196) Syntheses and evaluation of macromolecular wires bonded to platinum / titanium dioxide
Kota Arakawa, Haoxuan GUO, Hiroyuki Aota
- 2Pa061 Step- π -conjugated polymers (197) Syntheses and evaluation of macromolecular wires bonded to platinum
Ayato Isogai, Haoxuan GUO, Hiroyuki Aota
- 2Pb062 Step- π -conjugated polymers (198) Synthesis of A, B-block amphiphilic macromolecular wire with different energy levels
Yuna Ohara, Haoxuan GUO, Hiroyuki Aota
- 2Pa063 Synthesis of polymers with pyrroles and various aldehydes and their applications for electronic devices
Daisuke Tange, Haoxuan GUO, Hiroyuki Aota
- 2Pb064 Optical microresonators coated with a temperature-responsive polymer as a microscopic thermometer
Shunri Sato, Hiroshi Yamagishi, Yohei Yamamoto
- 2Pa065 Development of Ultra-small Helical Ring Resonators with Conjugated Polymers
Shunya Aoyagi
- 2Pb066 Fabrication of metasurfaces on polymer films by transferring process
Toko Ogata, Yasutaka Matsuo
- 2Pb068 Thermoresponsive sol-gel transition of graphene oxide with designed counteranions
Shoma Kondo, Tomoki Nishimura, Yuta Nishina, Koki Sano
- 2Pa069 Interface-dominating hydrogel with mechanical anisotropy
Tomohiro Takahashi, Koki Sano
- 2Pb070 Toughening of gels by liquid crystalline supramolecules in suspension.
Kotaro Ihira, Khoa Le, Yumiko Naka, Takeo Sasaki
- 2Pa071 Design and Evaluation of Adhesive Hydrogels with Anti-swelling and High Strength for Cerebral Dural Closure
Hiyori Komatsu, Shiharu Watanabe, Shima Ito, Kazuhiro Nagasaka, Akihiro Nishiguchi, Tetsushi Taguchi
- 2Pb072 Evaluation of supramolecular gelation ability and ion responsive behaviors of fluorenone derivatives bearing oligo(ethylene glycol) units
Syota Yamada, Atsushi Seki, Ken'ichi Aoki
- 2Pa073 Mathematical modeling of non-equilibrium spatiotemporal pattern formation in heterogeneous gel reaction fields
Masaru Endo, Takahumi Enomoto, Aya Akimoto, Ryo Yoshida
- 2Pb074 Structural design of droplets generating autonomous sol-gel transitions using self-oscillating gel particles

Itaru Tomikawa, Takafumi Enomoto, Keita Terui, Aya M. Akimoto, Ryo Yoshida

- 2Pa075 Effect of surface grafting of thermoresponsive polymers on hydrogel surface morphology
Taiki Ozawa, Yuki Koizumi, Taichi Ishii, Masaru Endo, Takahumi Enomoto, Yuji Ohta, Aya Akimoto, Ryo Yoshida
- 2Pb076 Data Fitting of LCST Curves by Markov Chain Monte Carlo Method
Takuma Oguchi, Takeshi Matsuda, Kei Takahashi, Ryohei Kakuchi
- 2Pa077 Synthesis of Hydrogels with Crosslinked Nanodomains Containing Iridium Complex for Ammonia Sensing and Catalytic Reaction
Shohichi Furukawa, Shohei Ida, Ken-ichi Fujita
- 2Pb078 Precision Synthesis of Poly(vinyl ether)s and Their Hydrogel Formation Using Orthogonal Reactivity: Control of Thermoresponsivity by Polymer Composition and Structure
Yoichi Tokunaga, Kira Landenberger
- 2Pa079 Phase transition temperature and physical properties of P (BA-b-NIPAAm) block copolymers with different chain lengths and ratios,
Ikuho Tatebe, Tosiaki Oku, Hisashi Honoda
- 2Pb080 Synthesis of slide-ring hydrogels with self-healing ability crosslinked by photodimerization reaction of cinnamic acid
Misaki Otani, Masatoshi Kidowaki
- 2Pa081 Synthesis of shape-memory hydrogel from Poly(arbutin) with PEG
Kota Nishizawa, Tadashi Tsukamoto, Yoshiyuki Oishi, Yuji Shibasaki
- 2Pb082 Synthesis of temperature-responsive gels with uniform network structure based on a star-shaped block copolymer composed of poly(ethylene glycol) and poly(N-isopropylacrylamide) as the main skeleton
Kai Kawabata, Yuka Hasegawa, Mitsuo Hara, Yukikazu Takeoka
- 2Pa083 Substituent effects on dioxazaborocane formation in water and its application to a pH-dependent sol-gel transition system
Keiichiro Yaginuma, Kevin Barthelmes, Shigehito Osawa, Hidenori Otsuka, Akira Matsumoto
- 2Pb084 Development of photoresponsive gelators for the stabilization of supramolecular gel structures
Momoka Okajima, Nanako Matsuo, Kazuhiro Yabuuchi, Masaya Moriyama
- 2Pa085 Development of new low-molecular-weight gelators derived from oleylamine
Mao Morisaki, Kazuhiro Yabuuchi
- 2Pb086 Polymer-Chain Length and -Density Dependences of Swelling Ratio of PNIPAAm Combining to Glass Surface
Minori Tateishi, Tomoki Ida, Hisashi Honda
- 2Pa087 Simultaneous Synthesis and Properties of Full-IPN Gels Containing Chitosan Derivative
Takuya TSUKAMOTO, Shunsuke SAKAI, Shigeki HABAUE
- 2Pb088 Simultaneous Synthesis of functionalized polyether/poly(N-isopropylacrylamide) IPN Gel
Ryoga TOYA, Kiyoka SAKURAI, Tomoya ADACHI, Shigeki HABAUE
- 2Pa089 Effects of the structures of alkyl chains on the formation of supramolecular gels based on tartrates
Karin Suzuki, Takuya Senda, Kazuhiro Yabuuchi
- 2Pb090 Preparation of multi-stimuli responsive hydrogels using star-shaped phospholipid polymers bearing phenylboronic acid and catechol groups
Yoshiki Hosobe, Yuta Yoshizaki, Tomohiro Konno
- 2Pa091 Effect of crosslinked structure of hydrogel particles on the physical properties of their assembly
Aya Watanuki, Yuma Sasaki, Kazuko Nakazono, Toshikazu Takata, Daisuke Suzuki

- 2Pb092 Physical properties evaluation of PEDOT/PVA hydrogels with hierarchical structure
Junko Shigenaga, Keisuke Shimamura, Takeshi Shimomura
- 2Pa093 Fabrication of thermally cross-linked poly(vinyl alcohol)-based fibers and their antimicrobial activities
Shunsuke Saito, Tsukika Momose, Takeuchi Kiho, Akihiro Saito, Aika Ogata, Yuji Narita, Yohei Kotsuchibashi
- 2Pb094 Investigation of multifunctionality of the moth-eye structure using finite element method simulation
Akari Koda, Kazuma Tsujioka, Yuji Hirai, Masatsugu Shimomura, Yasutaka Matsuo
- 2Pa095 A reusable surface displaying amino groups using a degradable copolymer
Fuga Hoshino, Sarina Yoshida, Kenta Morita, Tatsuo Maruyama
- 2Pb096 A new approach for the fabrication of a gold nanofilm using gold nanoparticle linkage
Sarina Yoshida, Takane Tsuchi, Mimari Matsumoto, Kenta Morita, Tatsuo Maruyama
- 2Pa097 Adhesion between an acryl film and a glass substrate using the Cu-free click reaction
Yusuke Kanki, Sayuki Kanemitsu, Shota Yamamoto, Koki Miyahara, Kenta Morita, Takashi Nishino, Tatsuo Maruyama
- 2Pb098 Evaluation of peeling interface in hot melt adhesives containing fluorine-based additives
Hideki Tsukuda
- 2Pa099 Quantification and control of the azide group density presented by polymer coating
Hikaru Amou, Yusuke Kanki, Kenta Morita, Tatsuo Maruyama
- 2Pb100 Preparation and surface properties of hydrophobic cellulose nanocrystals
Koyo Sekita, Tetsu Mitsumata, Norio Tsubokawa, Takeshi Yamauchi
- 2Pa101 Preparation of Hydrophilic Thin Films by Crosslinking of Polymer-grafted Silica Nanoparticles
Ryusei Yamada, Raita Goseki, Motoyasu Kobayashi
- 2Pb102 Fabrication of BOC-protected poly(methacrylate 2-hydroxyethyl) brush and its wetting properties
Ayuka Matsunami, Hina Morito, Yasuhito Suzuki, Akikazu Matsumoto
- 2Pa103 Preparation of polysiloxane brushes
Toui Furukawa, Mitsuo Hara, Yukikazu Takeoka, Takahiro Seki
- 2Pb104 Fabrication and Anti-icing Properties of Crosslinked Coating Films of Structure-Controlled Hydrophilic Bottlebrushes
Monami Kameda, Ken Tamamoto, Yuji Kinose, Yoshinobu Tsujii
- 2Pa105 Simulation study of the adhesion behaviors at the interfaces between epoxy resin polymers
Toshiaki Miura, Yukihiko Shimoi, Koichi Hasegawa, Kiyoka Takagi, Noriko Yamazaki, Takeo Matsuki, Yoshihisa Harada, Masataka Ohkubo
- 2Pb106 Preparation of antifog hard coatings using polysilsesquioxanes containing carboxyl side-chain groups
Seiya Morinaga, Yoshiro Kaneko

Presentation Time

<c = 13:15~13:55>

<d = 13:55~14:35>

A. POLYMER CHEMISTRY: SYNTHESIS AND REACTIONS

- 2Pc001 Addition-Fragmentation Ring-Opening Polymerization of Various Cyclic

Thiocarbonyl Monomers for Degradable Vinyl Polymers Synthesis
Ryoya Kamiki, Tomohiro Kubo, Kotaro Satoh

- 2Pd002 Radical Copolymerization Coumarin Derivatives with Thionoester Groups and Vinyl Monomers
Kanako Kikuta, Sota Yamamoto, Ryoya Kamiki, Tomohiro Kubo, Kotaro Satoh
- 2Pc003 Radical Copolymerization of Oxazoline-derived exo-Methylene Monomers and Vinyl Monomers
Sota Takashima, Shiho Tanizaki, Tomohiro Kubo, Kotaro Satoh
- 2Pd004 Design of Sulfonyl (Meth)Acrylamide Monomers Showing Pendant Transformation Abilities and the Radical Polymerization Behaviors
Tamaki Kondo, Makoto Ouchi
- 2Pc005 Syntheses of Acrylamide Alternating Copolymers Carrying Urethane Bonds in the Side Chains and Evaluation of the Sequence-Specific Properties
Shimpei Maruyama, Makoto Ouchi
- 2Pd006 Radical Copolymerization with Benzyl Vinyl Ether Derivatives: Syntheses of On-demand Degradable Polymers Based on Isomerization
Keita Kuroda, Makoto Ouchi
- 2Pc007 A Library Synthesis of Isotactic Polyacrylates and Polyacrylamides via Radical Polymerization of an Activated Acrylamide Monomer and Side-Chain Transformation
Yuehang Pan, Makoto Ouchi
- 2Pd008 Direct Radical Polymerization of Carbonyl Compounds
Taiki ISODA, Hironobu WATANABE, Mineto UCHIYAMA, Masami KAMIGAITO
- 2Pc009 Synthesis of Polymers Containing Nitrogen Atom in the Main Chain by Radical Polymerization of C=N Double Bond
Yunosuke NAKACHI, Taiki ISODA, Hironobu WATANABE, Mineto UCHIYAMA, Masami KAMIGAITO
- 2Pd010 Synthesis of Degradable Polymers by Novel Designed Monomers Capable of Radical Isomerization Polymerization
Masato IMAI, Mineto UCHIYAMA, Masami KAMIGAITO
- 2Pc011 Synthesis and Radical Copolymerization of Various Cyclic Ketene Aminals for Degradable Polymers: Reactivity and Degradation Mechanism
Shoki YOSHIMURA, Chihiro HOMMA, Mineto UCHIYAMA, Masami KAMIGAITO
- 2Pd012 Development of Radical Group-Transfer Polymerization by Photoredox Catalysts
Shinnosuke NAKAYAMA, Kaoru MATOBA, Masato IMAI, Hironobu WATANABE, Mineto UCHIYAMA, Masami KAMIGAITO
- 2Pc013 Synthesis of thermoresponsive polymers with biodegradable units
Atsushi Endo, Atsushi Matsumoto, Yasushi Maeda, Shinji Sugihara
- 2Pd014 Synthesis of block copolymers between more and less activated monomer including vinyl ether
Genki Sano, Mikito Muratomi, Eisuke Hirano, Atsushi Matsumoto, Yasushi Maeda, Shinji Sugihara
- 2Pc015 Synthesis of Novel Postfunctionalizable Poly(vinylene-arsine)s
Chisa Takahara, Hiroaki Imoto, Kensuke Naka
- 2Pd016 Synthesis alternating copolymers of incompletely-condensed and completely-condensed cage silsesquioxanes
Yuta Hirosawa, Hiroaki Imoto, Kensuke Naka
- 2Pc017 Syntheses and properties of polynorbornenes containing cage silsesquioxane in their side chains
Yu Tomioka, Tanaka Ryota, Hiroaki Imoto, Kensuke Naka
- 2Pd018 Cationic Polymerization of Vinyl Monomers with Aliphatic Polycarbonates as Macroinitiators
Koji Nakano, Natsuko Fujii

- 2Pc019 Synthesis and Properties of Block Copolymers Consisting of Aliphatic Polycarbonates and Poly(amino acid)s
Yudai Nishikawa, Yuji Kanao, Koji Nakano
- 2Pd020 Optical Properties of Conjugated Polymers Based on Boron Tropolonate Complexes with an Aromatic Seven-Membered Ring
Hikari Ogoshi, Shunichiro Ito, Kazuo Tanaka
- 2Pc021 Multichromic Luminescent Properties of PAH-Substituted nido-Carborate Anions
Takumi Yanagihara, Kazuo Tanaka
- 2Pd022 Synthesis and Evaluation of Near-Infrared II Emissive Polymers Based on boron-fused Azobenzene complexes as strong acceptors
Ipppei Kanetani, Masashi Nakamura, Masayuki Gon, Kazuo Tanaka
- 2Pc023 Protein Adsorption of Near-Infrared Emissive π -Conjugated Polymers and Their Optical Properties
Dahye Yoo, Misato Kanjo, Masashi Nakamura, Masayuki Gon, Kazuo Tanaka
- 2Pd024 Synthesis of Conjugated Homopolymers of Boron Dialdiminate Complexes and Solvophobic Effects on Their Photoluminescence Properties
Shunichiro Ito, Kazuo Tanaka, Yoshiki Chujo
- 2Pc025 Emission Properties of Conjugated Polymers Based on Pyridylenolate Complexes of Group 13 Elements
Yuto Aoyama, Shunichiro Ito, Kazuo Tanaka
- 2Pd026 Synthesis and Applications of Polymers Bearing Surfobetaine Moieties Based on Living Coordination Polymerization of Allene Derivatives
Kyohei Yamamoto, Kenji Anahara, Ryoyu Hihumi, Ikuyoshi Tomita
- 2Pc027 Preparation and functional evaluation of chiral silica using organic-inorganic hybrid polymers as templates
Hinari Sakai, Yoshinobu Nakamura, Syuuji Fuji, Tomoyasu Hirai
- 2Pd028 Preparation of cysteine-containing organic-inorganic hybrid materials and evaluation of its molecular aggregation state
Tomoki Mure, Yoshinobu Nakamura, Syuuji Fujii, Tomoyasu Hirai
- 2Pc029 Investigation of stereocomplex formation of polylactide homopolymers and their copolymers with PEG
Jaeyeong Choi, Hiroharu Ajiro

B. POLYMER PHYSICS: STRUCTURE AND PROPERTIES

- 2Pc031 Crystal structure control of porous coordination polymers by on-site recrystallization
Maoko Takenaka, Ena Yamada, Satoshi Watanabe, Masashi Kunitake
- 2Pd032 Phase diagram of 9,10-dibromoanthracene in liquid crystals
Yuki Hashitomi, Satoshi Watanabe, Masashi Kunitake
- 2Pc033 Phase diagram and crystal growth of 1,8-diphenylanthracene in organic solvent
Akari Nishiki, Yuto Hino, Shotaro Hayashi, Satoshi Watanabe, Masashi Kunitake
- 2Pd034 Investigation of solubility of anthracene derivatives in pyridinium-based ionic liquids
Rinsuke Nakayama, Kaho Tajiri, Satoshi Watanabe, Masashi Kunitake
- 2Pc035 in-situ SAXS/WAXS study on retrogradation of cooked rice during cold storage
Kazuki Kurosawa, Takahiko Kawai, Chie Omoto, Hideyuki Yamaguchi
- 2Pd036 Deformation and Void Formation of PTFE during Uniaxial Stretching
Ryo Sekiguchi, Takahiko Kawai, Hiromi Ishikawa, Hideki Yamasaki
- 2Pc037 Crystallization behavior of poly(ϵ -caprolactone) grafted on solid surfaces and effects of blending poly(vinyl butyral)
Yudai Tega, Shuta Hara, Takayuki Ikehara

- 2Pd038 Crystallization and higher-order structure of biobased polyesters with sugar-based moieties and ethylene chains
Aki Nishiyama, Hiroki Takeshita, Katsuhisa Tokumitsu, Kotohiro Nomura
- 2Pc039 Thermodynamic considerations of crystallization and heat treatment stabilization of rigid polymer poly(p-phenylene benzobisoxazole)(PBO) single crystals by surface structure observation
Yo Hattori, Ryota Kinoshita, Tetsuya Uchida
- 2Pd040 Morphology generated during melting and recrystallization process of polymer spherulites
Yuta SHINMURA, Masato HASHIMOTO, Tomoko MIZUGUCHI, Susumu FUJIWARA
- 2Pc041 Analysis of temperature-response behavior of polymer solutions and the effect of cross-linking by means of light scattering methods.
Sakyo Hiraizumi, Taichi Nishi, Keita Namba, Takuma Kureha
- 2Pd042 Rheological properties of food ink for high precision 3d printing
Haruya Oda, Makoto Takemasa
- 2Pc043 Electrochemical analysis of antioxidants of natural food using Bicontinuous Microemulsion
Yonel Harrison, Kunitake Masashi, Watanabe Satoshi
- 2Pd044 Construction and Application of Bicontinuous Microemulsion consisting of Cyclic or Poly-Dimethylsiloxane Silicone
Karin Haruna, Masasi Kunitake, Satosi Watanabe

C. FUNCTIONAL POLYMERS AND POLYMER FUNCTIONS

- 2Pd046 Polarized fluorescence of N-salicylideneaniline derivatives by direct exchange from photoaligned N-benzylideneaniline side groups in liquid crystalline polymeric film
Mizuki Tanaka, Hinano Yamaguchi, Mizuho Kondo, Tomoyuki Sasaki, Moritsugu Sakamoto, Hiroshi Ono, Nobuhiro Kawatsuki
- 2Pc047 Preparation of photo-durable molecularly oriented liquid crystalline copolymer film based on photoalignment of N-benzylideneaniline
Gento Nakajima, Mizuho Kondo, Tomoyuki Sasaki, Moritsugu Sakamoto, Hiroshi Ono, Nobuhiro Kawatsuki
- 2Pd048 Controlling polarized luminescence wavelength by direct conversion of various salicylideneanilines from oriented imine-terminated groups in photoaligned polymer films
Hiroki Furukawa, Mizuho Kondo, Tomoyuki Sasaki, Moritsugu Sakamoto, Hiroshi Ono, Nobuhiro Kawatsuki
- 2Pc049 Anisotropic adhesion property of photoaligned liquid crystalline polymer adhesion
Tatsuki Nagata, Mizuho Kondo, Daisuke Okai, Hiroki Adachi, Nobuhiro Kawatsuki
- 2Pd050 Evaluation of gelability and mechanoresponsiveness of polymerizable liquid-crystalline mechanophore containing cholesterol at the molecular terminus
Sho Iida, Mizuho Kondo, Nobuhiro Kawatsuki
- 2Pc051 Photodismantlable behavior of side-chain liquid crystalline polymer containing cyanostilbene as a photoreactive group
Masaya Inoue, Mizuho Kondo, Daisuke Okai, Daiki Adachi, Nobuhiro Kawatsuki
- 2Pd052 Creation of a Novel Amorphous Molecular Material Possessing Three Cyanostilbene Moieties.
Yuito Shimazaki, Hideyuki Nakano
- 2Pc053 Chiral Photomechanical Behavior of Azobenzene-based Molecular Glass Particles Fixed in HPC Hydrogel
Yoshiki Aomatsu, Motona Matsubara, Hiroyasu Ukai, Masahiro Kuragano, Kiyotaka Tokuraku, Hideyuki Nakano

- 2Pd054 Pattern formation of photosensitive polyarylate based on reaction development patterning employing the developer containing polyethyleneimine
Hayato Kinoshita, Toshiyuki Oyama
- 2Pc055 Photoinduced surface relief formation in ether connected bisanthracene film
Kota Ninomiya, Yuki Shimada, Takashi Ubukata
- 2Pd056 Mechanical and emission properties of poly(9,9-dioctylfluorene)/SBS composite films
Ayu Mera, Zhongming Yuan, Takeshi Shimomura
- 2Pc057 Thickness-dependent out-of-Plane Orientation Properties in amphipathic block copolymers and Development of block copolymers with strong homeotropic orientation
Mahiro SHIMADA, Yuya ISHIZAKI, Mitsuo HARA, Takahiro SEKI, Shusaku NAGANO
- 2Pd058 Response behavior analysis of hydrogels composed of two temperature-responsive polymers
Taichi Nishi, Sakyō Hiraizumi, Takuma Kureha
- 2Pc059 Synthesis and properties of polyurethanes with photoinduced depolymerization of poly(olefin sulfone)s structures.
Masahiro Kajino, Khoa Le, Yumiko Naka, Takeo Sasaki
- 2Pd060 Synthesis of Epoxy Resins with photoinduced depolymerization Poly sulfone Structure
Natsuki Adachi, Takeo Sasaki, Yumiko Naka, V Le Khoa
- 2Pc061 Optimization of Molecular Structure for An Elastomer Toughened with CO₂ gas
Kazuma Okada, Yohei Miwa, Hanako Yoneda, Hayato Nakamura, Shoichi Kutsumizu
- 2Pd062 An elastomer that switches its adhesion with CO₂ gas
Shohei Shimozaki, Yohei Miwa, Hanako Yoneda, Shoichi Kutsumizu
- 2Pc063 Optical and self-healing properties of methyl methacrylate/butyl acrylate copolymer with dimethylaminotolane unit
Ryoma Amanuma, Ayumi Kobayashi, Kohei Iritani, Takashi Yamashita
- 2Pd064 Control of elongation properties of PMEA, a bicompatible polymer composed of silica particles by Silane coupling agents
Moe Sakamoto, Daiki Miyake, Mitsuo Hara, Xiaobin Liang, Ken Nakajima, Taiki Hoshino, Masaru Tanaka, Yukikazu Takeoka
- 2Pc065 The fabrication of levitation polymer devices controlled by near-infrared light in ultrasonic vibration fields.
Shota Ura, Satoshi Watanabe, Masashi Kunitake
- 2Pd066 Development of medical adhesive gel particles that work at body temperature
Kosei KAWADA, Tetsu MITSUMATA, Norio TSUBOKAWA, Takeshi YAMAUCHI
- 2Pc067 Design of Photo-responsive Microcapsules Using Molecular Complex Formation at Emulsion Interface
Yuka Fujii, Akifumi Kawamura, Yoshinori Takashima, Takashi Miyata
- 2Pd068 Amine-modified polyethylene toughened with CO₂ gas
Rina Takahashi, Yohei Miwa, Shoichi Kutsumizu
- 2Pc069 Correlation between entanglement and rheological properties in vitrimer-like materials
Takumi Kitou, Mikihiro Hayashi
- 2Pd070 Preparation of vitrimeric cross-linked materials using polyethylene glycol as the network component
Yuhka Shimizu, Takumi Kito, Mikihiro Hayashi
- 2Pc071 Preparation of polyacrylate elastomers cross-linked by quaternized amine groups and evaluation of the bond exchange properties
Maho Suzuki, Mikihiro Hayashi

- 2Pd072 Photocontrol of glass transition temperatures by thermally stable molecular switches
Taichi Hidaka, Keiichi Imato, Naoki Kaneda, Ichiro Imae, Yousuke Ooyama
- 2Pc073 Synthesis of photoresponsive slide-ring polymers containing azopyridine copolymers and their application to adhesives
Kao Sekiguchi, Masasoshi Kidowaki
- 2Pd074 Development of A Rotaxane-Based Supramolecular Mechanophore Using A Tetracene Group in The Fluorophore
Keigo Nonaka, Yoshimitsu Sagara
- 2Pc075 Synthesis and Properties of Photoresponsive Slide-Ring Elastomers Containing Azobenzene in the Crosslinking Sites
Yuito Hagiwara, Masatoshi Kidowaki
- 2Pd076 Structure-property relationship of Polymerization-induced emission behavior of poly-N,N-dimethylaminoethyl acrylate derivatives and the effect of copolymerization
Rikuto Ooie, Fumitaka Ishiwari, Akinori Saeki
- 2Pc077 Photofabrication of photodegradable materials with dipyrenylsilicon crosslinkers cleavable by light/acid cooperative stimuli
Yutaro Kawano, Hiroshi Masai, Tomohiro Iwai, Jun Terao
- 2Pd078 Development of stimuli-responsive photoluminescent liquid materials based on pyromellitic diimide-based liquid
Takumi Omura, Kyosuke Isoda, Hidenori Aihara
- 2Pc079 Photoluminescent and thermal behaviors of pyromellitic diimide liquid materials
Kyosuke Isoda, Yuya Tanabe, Hirotaka Tsutsui
- 2Pd080 Synthesis of polyurethane elastomers containing anthracene-based aggregation-induced emission luminogen
Takuya Tanaka, Sattawat Chaiwattana, Gen-ichi Konishi
- 2Pc081 Inorganic supramolecular polymer of inorganic nanosheet monomers
Natsuko Ueno, Yasuo Ebina, Takayoshi Sasaki, Koki Sano
- 2Pd082 Inorganic supramolecular nanosheet of inorganic nanofiber monomers
Daisuke Ogawa, Koki Sano
- 2Pc083 Fabrication of fragmented polymeric nanofibers as novel anisotropic nanomaterials and their application for carriers of turbidimetric immunoassay
Hayato Yokose, Naoya Ichihara, Yosuke Okamura
- 2Pd084 Massive fabrication and evaluation of water-repellent nanosheets by Roll-to-Roll method
Rai Uchida, Tatsuya Hiratsuka, Takuto Aoki, Yosuke Okamura
- 2Pc085 Fabrication and evaluation of oriented nanofibers with shape memory ability
Takeru Hongo, Hironori Iwamatsu, Hayato Yokose, Yosuke Okamura
- 2Pd086 Development of nanomaterials by hybridization of glycyrrhetic acid oligoglycoside and zinc porphyrin complexes.
Rika Hashimoto, Kota Araki, Keita Kuroiwa
- 2Pc087 Fabrication of Single-Charged Layer-by-layer Films with High Charge Density
Zhuying Zhang, Jinfeng Zeng, Michiya Matsusaki
- 2Pd088 Development of transparent electrodes composed of silver nanowires and self-doped conductive polymers
Kouta FUJITSUKA, Tetsu MITSUMATA, Norio TSUBOKAWA, Hirokazu YANO, Haruka AOKI, Takeshi YAMAUCHI
- 2Pc089 Fabrication of nanocellulose polymer electrolyte membranes for PEFC
Yoshimasa Matsuo, Takaaki Saito, Akito Masuhara

D. BIOPOLYMERS AND BIORELATED POLYMERS

- 2Pd090 Isolation of PmxB related to biosynthesis of Polymyxin B in NBRC3020 strain and evaluation of enzymatic activity and identification of the active site in the adenylation domain of PmxB
Taichi Mano,Toshihisa Mizuno
- 2Pc091 Exploration of purification methods of the A6 unit in the Polymyxin B synthase and evaluation of its activity.
Mai Nemoto,Toshihisa Misuno
- 2Pd092 Inhibition of Amyloid beta fibril formation by D-peptide
Haruhiko Miwa,Shiho Seguchi,Ayaka Hayashi,Eri Chatani,Kenta Morita,Tatsuo Maruyama
- 2Pc093 Degradation of amide molecules using histidine-containing peptide lipids
Toshihisa Kimura,Natsumi Shimizu,Kenta Morita,Tatsuo Maruyama
- 2Pd094 Synthesis and characterization of plant cell wall loosening ability of zwitterionic polypeptides
Risa Naka,Kayo Terada,Hiroyasu Masunaga,Kousuke Tsuchiya,Keiji Numata
- 2Pc095 Biochemical studies on translocation ability of the peptides derived from mitoNEET protein with stabilized helical conformation
Yosuke Murakami,Seiya Fujita,Kayo Terada,Kosuke Tsuchiya,Makoto Oba,Keiji Numata
- 2Pd096 Chemical synthesis of keratin mimicking polypeptide
Haruki Kubota,Shogo Takemura,Taichi Kurita,Kousuke Tsuchiy,Keiji Numata
- 2Pc097 Synthesis and evaluation of peptide-peptide hybrid
Yuya Yamada,Makoto Aono,Yoshiaki Hirano
- 2Pd098 Control of Complex Coacervate Physical Properties by Design of Synthetic Polypeptides
Akihiro Kishimura,Yudai Amami,Biplab KC,Teruki Nii,Takeshi Mori,Yoshiki Katayama
- 2Pc099 Promotion of Protein Folding Using Liquid-Liquid Phase Separation
Yukino Yamashita,Erika Miura,Takuya Mabuchi,Takahiro Muraoka
- 2Pd100 Effect of protruding alkyl chain on colloidal dispersibility of double-stranded DNA-functionalized gold nanoparticles
Taichi Fukumori,Yudai Takahashi,Ren Ishiyama,Syuuhei Komatsu,Tohru Takarada,Mizuo Maeda,Maika Ikeda,Satoru Ogin, Tadashi Ando,Akihiko Kikuchi,Yoshitsugu Akiyama
- 2Pc101 Structural Analysis and Machine Learning Analysis of Boronic Acid-Conjugated Polymers forming Self-Assembled Ternary Complexes with Polyphenols
Yuto Honda,Koichi Usukura,Takahiro Nomoto,Nobuhiro Nishiyama
- 2Pd102 Preparation and characterization of thermoresponsive particles having mannose on the outermost surfaces
Tomohiro OIZURU,Tatsuaki AKAMINE,Syuuhei KOMATSU,Akihiko KIKUCHI
- 2Pc103 Investigation of the relationship between Polysarcosine-Coated Nanocarriers and IgM absorption
Mingxin HU,Kazuaki TAGUCHI,Eiry KOBATAKE,Yoshihiro ITO,Motoki UEDA
- 2Pd104 Preparation of W/O/W emulsion containing gelatin nanoparticles prepared by miniemulsion method
Yuri Miyake,Yuuka Fukui,Keiji Fujimoto
- 2Pc105 Preparation of a Bio-scaffold by Assembly of Giant Liposomes and Biopolymers
Yumi Aoki,Yuuka Fukui,Keiji Fujimoto
- 2Pd106 High-pressure effects on photoresponsive chromene derivatives incorporated into bilayers
Kotaro Eto,Yuichi Ishikawa,Kaoru Nobuoka
- 2Pc107 Property Evaluation and Application of Bilamellarized Polyion Complex Vesicles for Artificial Organelle Development
Akihiro Kishimura,Shoya Adachi,Fadlina Aulia,Teruki Nii,Takeshi Mori,Yoshiki

Katayama

- 2Pd108 Preparation of Nanoparticles Possessing Multivalent Anion Core through Polyion Complex Micelles Formation
Koki Yanagida, Yukiya Kitayama, Eiji Yuba, Atsushi Harada
- 2Pc109 Synthesis of Vinylpyridine-derived Sulfobetaine Polymers and Characterization of Their Hydration Structure
Koki Hamashima, Motoyasu Kobayashi, Raita Goseki
- 2Pd110 Characterization of Hydration Water Bound to Surface-grafted Ionic Polymers by Differential Scanning Calorimetry
Kaito Inoue, Shouhei Shiimoto, Masaru Tanaka, Motoyasu Kobayashi

Presentation Time

<e = 15:15~15:55>

<f = 15:55~16:35>

A. POLYMER CHEMISTRY: SYNTHESIS AND REACTIONS

- 2Pe001 Synthesis and polymerization of a cyclic diene monomer carrying a spiro-skeleton with a
Wakana Nakajima, Akira Hiramatsu, Rie Yasuda, Yoshitsugu Kuratani, Yasuhiro Kohsaka
- 2Pf002 Degradable vinyl polymers by radical copolymerization of allyl-substituted methacrylates
Koki Naganuma, Kaho Toyama, Yasuhiro Kohsaka
- 2Pe003 Synthesis of dehydroaspirin modified with various substituents on the aromatic ring and the degradability of polymers
Hanae Torisawa, Akane Kazama, Ryo Kawatani, Yasuhiro Kohsaka
- 2Pf004 Chemically recyclable styrene monomers with tunable properties by pendant groups
Yota Chiba, Ryo Kawatani, Yasuhiro Kohsaka
- 2Pe005 Radical polymerization of cyclic imide containing an acryl skeleton and bulky substituents
Naoki Ohtani, Ryo Kawatani, Yasuhiro Kohsaka
- 2Pf006 Development of Novel Functional Bio-Based Polymers from Glycerol
Riko Kashima, Tomohiro Kubo, Kotaro Satoh
- 2Pe007 PET-RAFT Copolymerization of Bio-Based Vinyl Monomers with Various Acrylates
Rui Guo, Riko Kashima, Shiho Tanizaki, Tomohiro Kubo, Kotaro Satoh
- 2Pf008 Precision Synthesis of Plant-Derived Catechol-Containing Macromolecular Architectures
Kaori Tanimoto, Shiho Tanizaki, Tomohiro Kubo, Kotaro Satoh
- 2Pe009 Development of aggregation-induced emission materials having selenoester and tetraphenylethylene in the side chains
Kanako YAMAMOTO, Shotaro NOBE, Hideharu MORI
- 2Pf010 Development of high refractive index polymeric materials using deep eutectic solvents
Yuji TSUHARA, Naomi ITOU, Shingo YUUKI, Hideharu MORI
- 2Pe011 Development of green radical polymerization based on hydrophobic deep eutectic solvents
Reina SHINOHE, Shingo YUKI, Yuta TANAKA, Hideharu MORI
- 2Pf012 Effect of Substituents on Amide Group on Radical Polymerization of Anthranilamide-Protected Vinylboronic Acids and Subsequent Transformation to Poly(vinyl alcohol)
Hiroshi Suzuki, Tsuyoshi Nishikawa, Makoto Ouchi

- 2Pe013 Diborylalkenes as Comonomers in Radical Copolymerization for Design of Degradable Polymers Based on Boron Pendant Transformation
Koki Hirano, Tsuyoshi Nishikawa, Makoto Ouchi
- 2Pf014 Formation of an aggregated structure of poly(dialkyl fumarate)s as the rigid-chain polymers.
Ryotaro Ishimaru, Yasuhito Suzuki, Akikazu Matsumoto
- 2Pe015 Synthesis of Lamellar Polyaniline in Ice
Kyoka Komaba, Miyashita Ryo, Reiji Kumai, Hiromasa Goto
- 2Pf016 Synthesis and Sonogashira coupling reaction of aromatic amide cyclic trimer with bromo groups at selective position
Taiga Shirai, Koji Takagi
- 2Pe017 Synthesis and Microphase Separation Behavior of Asymmetric Polystyrene-*b*-Poly(methyl methacrylate)-*b*-Polystyrene
Toi Iizuka, Kazushige Suzuki, Ken Miyagi, Naohiro Dazai, Feng Li, Takuya Isono, Toshifumi Satoh
- 2Pf018 Systematic synthesis of multicyclic polystyrene toward understanding topology-property relationship
Yamato Ebi, Yoshinobu Mato, Feng Li, Takuya Isono, Takuya Yamamoto, Kenji Tajima, Toshifumi Satoh
- 2Pe019 Benzene ring modification of polystyrene-block-poly(methyl methacrylate) to downsize microphase-separated structures.
Ema Baba, Feng Li, Takuya Yamamoto, Toshifumi Satoh, Takuya Isono
- 2Pf020 Development and Stimuli-Responsiveness of Near-Infrared Emissive π -Conjugated Polymers based on Boron-Fused Azobenzene Complexes
Masashi Nakamura, Masayuki Gon, Kazuo Tanaka
- 2Pe021 Optical properties of conjugated polymers containing a novel benzoxaborine framework in their main chain
Shuhei Morimoto, Masayuki Gon, Kazuo Tanaka
- 2Pf022 Synthesis of Degradable π -Conjugated Polymers with Stimuli-Responsive Properties of Hypervalent Bismuth
Kazuya Tanimura, Kazuki Muro, Masayuki Gon, Kazuo Tanaka
- 2Pe023 Strategy for Narrowing Energy Gap of π -Conjugated System with Geometric Structure of Hypervalent Silicon Compounds
Masayuki Gon, Kazuo Tanaka
- 2Pf024 Effect on Optical Properties by Introducing Adjacent Substituents Capable of Forming an Excited Complex into *o*-Carborane Derivatives
Shunsuke Nishiyama, Junki Ochi, Kazuo Tanaka
- 2Pe025 Construction of Stimuli-Responsive Conjugated Polymers Using Hypervalent Tin Compounds
Keisuke Shibahara, Yusuke Morisaki, Masayuki Gon, Kazuo Tanaka
- 2Pf026 Two-Dimensional Assembly of Polythiophene Using a Tripodal Triptycene Supramolecular Scaffold
Masato Fukumitsu, Tomoya Fukui, Yoshiaki Shoji, Takanori Fukushima
- 2Pe027 Synthesis of poly(ether ketone) copolymers with different block lengths by Friedel-Crafts reaction in [bmim] / AlCl₃ solvent system and their properties
Masaru Yoneyama, Mizuki Saito, Takeshi Yamanobe
- 2Pf028 Synthesis of quinacridone-based donor-acceptor polymers with strong absorption in the near-infrared region
Rikarudo Minematsu, Keiya Masumura, Motoki Yasuki, Yukiya Nagata, Atsushi Kimoto

B. POLYMER PHYSICS: STRUCTURE AND PROPERTIES

- 2Pe029 Highly-order Structural Analysis of PEG-based Copolymer Containing

Azacalixarene

Yuto OTSUKI, Ryoma TERUI, Yuji SHIBASAKI, Atsuhiko FUJIMORI

- 2Pf030 Modification of mechanical properties for polypropylene films through transformation of crystalline phases.
Yuta Fukuda, Takumitsu Kida, Masayuki Yamaguchi
- 2Pe031 Structural Analysis of Polymeric Materials by SANS-U at JRR-3
Koichi Mayumi, Tatsuro Oda, Kei Hashimoto, Takato Enoki
- 2Pf032 Study of higher order structure of copolymer using vibrational spectroscopy
Masahiro Hatayama, Harumi Sato
- 2Pe033 Synthesis and Microphase-separated structure formation of Poly(2,2,2-trifluoroethyl methacrylate-b-styrene-b-4-vinyl pyridine)
Yuta Miyamori, Yuta Nabae, Teruaki Hayakawa
- 2Pf034 Effect of annealing on molecular orientation for pre-sheared poly(lactic acid)
Dai Hoang Giang Vo, Takumitsu Kida, Masayuki Yamaguchi
- 2Pe035 High monodispersity microspheres through inkjet technique for whispering gallery mode resonator fabrication
Wey Yih Heah, Hsinyen Liao, Junnosuke Miyagawa, Hiroshi Yamagishi, Yohei Yamamoto
- 2Pf036 Structure and properties of biomass-based polycarbonate composed of isosorbide and cyclohexanedimethanol
Ruiqi Han, Takumitsu Kida, Masayuki Yamaguchi
- 2Pe037 Photorefractive effect and synthesis of liquid crystals with phenylpyrimidine skeleton as mesogen
Gota Ikeda, Khoa Le, Yumiko Naka, Takeo Sasaki
- 2Pf038 Synthesis and Orientational Behavior of Liquid Crystalline Polyurethanes with Bis(benzylidene)phenylenediamine Skeleton
Ryoga Nishimura, Shogo Nakagawa, Masanori Nata, Seiji Ujiie
- 2Pe039 Development of main-chain thermotropic liquid crystalline polyesters with lateral functionalized biphenyl mesogen
Atsuya Kawamura, Yoshimichi Shimomura, Gen-ichi Konishi
- 2Pe041 Application of submicron spatial resolution infrared spectroscopy (O-PTIR) to biodegradable plastics
Hanae Kobayashi, Naoki Baden, Yumiko Shimizu
- 2Pf042 Properties of Modified Layer Formed by UV Irradiation to Polyethylene Naphthalate Substrates and Their Application in Electroless Deposition
Toshiyuki Tamai, Mitsuru Watanabe, Yasuyuki Kobayashi, Junpei Kobata, Rie Kakehashi, Yoshio Nakahara, Setsuko Yajima
- 2Pe043 AFM observation of melting behavior of two-dimensional extended-chain crystals of PLA in monolayers
Sho Tanaka, Jiro Kumaki
- 2Pf044 Evaluation of mechanical properties of alkali-treated wood by liquid impregnation
Rika Takenaka, Daisuke Ishii
- 2Pe045 Thermal stability of a polystyrene thin film on the absorbed layer formed by random copolymer with different composition
Akane Taniguchi, Yoshihisa Fujii, Naoya Torikai
- 2Pf046 Molecular Weight Effects on Glass Transition Temperature of Polystyrene at Solid Interfaces
Akira Uchiyama, Daiki Komiyama, Yoshihisa Fujii, Naoya Torikai
- 2Pe047 Interphase Thickness and Adhesion Strength of Poly(methyl methacrylate)/Polycarbonate Laminates with Different Laminate Conditions
Reo Okano, Takuya Matsumoto, Takashi Nishino
- 2Pf048 Development of an evaluation method of chemical adhesion at adhesive

interfaces

Sora Kinoshita, Tomohiro Miyata, Keiichi Shirasu, Hiroshi Jinnai

- 2Pe049 Evaluation of microgel surfaces by electrophoretic light scattering
Ryuji Namioka, Yuichiro Nishizawa, Takumi Inui, Takayuki Uchihashi, Takumi Watanabe, Daisuke Suzuki
- 2Pf050 Synthesis and design of deformable nanocomposite microgels by emulsion polymerization
Kentaro Yokouchi, Satoki Ushida, Ryuji Namioka, Takumi Watanabe, Daisuke Suzuki
- 2Pe051 Quantitative evaluation of surface properties compared with natural and synthetic leathers
Kazuya Uchida, Daisuke Ishii
- 2Pf052 Cuticle structures and wettability change of biological hair surface by various surface treatments
Sora Shibata, Daisuke Ishii
- 2Pe053 Surface structure analysis of *Plecoglossus altivelis* and its correlation with fluid resistance
Tomoki Tanaka, Daisuke Ishii

C. FUNCTIONAL POLYMERS AND POLYMER FUNCTIONS

- 2Pf054 Design and synthesis of smectic liquid crystals for fast-response photorefractive materials.
Junko Watanabe, Khoa Le, Yumiko Naka, Takeo Sasaki
- 2Pe055 Development of 2D Ion-Conductive Liquid Crystal/Polymer Hybrid Films Forming Microphase-Separated Structures and Their Electric Actuator Functions
Shunichi Suwa, Masafumi Yoshio
- 2Pf056 Development of Columnar Liquid-Crystalline Ion Conductors through Ion-Nitrile Dipole Interactions
Shunichi Suwa, Masafumi Yoshio
- 2Pe057 Synthesis of smectic liquid crystals with introduced asymmetric structures and their flexoelectric effects and optical properties.
Shinnnosuke Yamazaki, Khoa Le, Yumiko Naka, Takeo Sasaki
- 2Pf058 Synthesis and characterization of flexoelectric liquid crystals showing photorefractive effect
Miku Nagaoka, Khoa Le, Yumiko Naka, Takeo Sasaki
- 2Pe059 Mechanical properties of hydrogels incorporating chromonic liquid crystals: influence of glycerol solvents.
Miho Furuya, Khoa Le, Yumiko Naka, Takeo Sasaki
- 2Pf060 Thermo-responsive Behavior of Surface Concave Structures Formed by Photopolymerization with Structured UV Light
Sayuri Hashimoto, Miho Aizawa, Kyohei Hisano, Shoichi Kubo, Atsushi Shishido
- 2Pe061 Lyotropic liquid crystalline characters and conduction properties of self-doped polythiophene
Motoaki ONISHI, Yuya ISHIZAKI, Hirokazu YANO, Hidenori OKUZAKI, Shusaku NAGANO
- 2Pf062 Mechanism of Molecular Orientation Pattern Formation by Gradient Photopolymerization of Liquid crystal monomers
Tatsuya Ishibe, Yuki Shikata, Osamu Tsutsumi
- 2Pe063 Sensitive Strain Sensing with Chiral-Nematic Liquid Crystal Elastomers Using Auxetic Structures
Mina Matsuda, Yudai Fuwa, Osamu Tsutsumi
- 2Pf064 Development of prediction model for LCST of thermo-responsive polymers by

experiment-oriented materials informatics

Mai Hayakawa, Kosuke Sakano, Rei Kumada, Yasuhiko Igarashi, Daniel Citterio, Yuya Oaki, Yuki Hiruta

- 2Pe065 Preparation and conductivity of gold nanoparticle composite monolayers and multilayer films with hydrophobic poly thiophene by cospread method with liquid crystal molecule
Taikai Matsuda, Yuya Ishizaki, Shusaku Nagano
- 2Pf066 Preparation of Doped Hydrophobic Conductive Polymer LB Films Using Liquid Crystal Mixing and Unfolding Method
Naoki HARA, Yuya ISHIZAKI, Shusaku NAGANO
- 2Pe067 Surface modification of carbon black with polyelectrolytes to improve electric field response
Ryoya Takahashi, Chi Yi Lau, Daisuke Aoki, Tatsuo Taniguchi, Takashi Karatsu, Hiroshi Ueyama, Mamoru Okamoto, Hiroshi Tanabe
- 2Pf068 Flexible Cholesteric Liquid Crystal Films from Cellulose Derivatives
Yu Sotoyama, Naoto Iwata, Seiichi Furumi
- 2Pe069 Orientation and Thermal Diffusivity on Side-Chain Smectic Liquid Crystalline Polymers in Thin-Films
Kanna KOBAYASHI, Yuya ISHIZAKI, Mitsuo HARA, Takahiro SEKI, Shusaku NAGANO
- 2Pf070 π -Conjugated Columnar Liquid-Crystalline Photodiodes
Masafumi Yoshio
- 2Pe071 Evaluation of the Mechanical Stress Detection and Self-healing Function Depending on the Linker Length of Charge-transfer Complex Elastomers
Kanae Aoki, Naruki Ito, Kenta Iitani, Yuji Tsuchido, Naoya Takeda
- 2Pf072 Adhesion of hydrogel with chromonic liquid crystals.
Takuto Saito, Khoa Le, Takeo Sasaki, Yumiko Naka
- 2Pe073 Preparation of Composite Materials Comprising Intercalation Compound and Temperature-Responsive Polymer for DDS
Jiwon Suh, Toru Hoshi, Takao Aoyagi
- 2Pf074 Synthesis and porous thin film formation of silsesquioxane-containing liquid crystalline block copolymers
Kotaro MORIMOTO, Yuya ISHIZAKI, Takahiro SEKI, Shusaku NAGANO
- 2Pe075 Design of a novel Fe(III)-based Electrochromic Metallo-supramolecular Polymer for Smart-windows
Susmita Roy, Masayoshi Higuchi
- 2Pf076 Design and Synthesis of Metallo-Supramolecular Polymer for Electrochromic Application
Satya Ranjan Jena, Masayoshi Higuchi
- 2Pf078 Analysis of Structural Evolution of Silver Nanocrystals
Taishi Shinyashiki, Hideyuki Nakanishi
- 2Pe079 Array structure of microgel monolayer formed by compression at the air/water interface.
Takahisa Kawamoto, Tetsuya Noguchi, Haruka Minato, Daisuke Suzuki
- 2Pf080 Preparation of functional nanocomposite microgels by seed emulsion polymerization using the reactive monomers
Yosuke Nishimaki, Hiroki Yokoi, Atsushi Nagasawa, Masaki Murai, Akihiro Yamada, Takumi Watanabe, Daisuke Suzuki
- 2Pe081 Facial modification of cellulose substrate using addition-condensation polymerization and their surface-graphitization.
Keisuke Kadota, Kyohei Yoshida, Maki Horikawa, Naoya Ryu, Hirotaka Ihara, Makoto Takafuji, Shoji Nagaoka
- 2Pf082 Effect of Poor Solvents on Surface Structure of Polystyrene Porous Microparticles Fabricated by Spray Method

Taiyu Ito, Ryo Ogawa, Yoshihisa Fujii, Naoya Torikai

- 2Pe083 Fabrication of pigment-loaded polymeric particles
Shunsuke Hattori, Syuuhei Komatsu, Yoshitsugu Akiyama, Taka-Aki Asoh, Akihiko Kikuchi
- 2Pf084 Improvements in dispersion stability of chitin nanowisker suspensions by surface grafting of mPEG-aldehyde
Hyougo Okuda, Jun Araki
- 2Pe085 Preparation of poly(4-vinylphenol) hollow particles
Taketo Tokuda, Yui Tsunekawa, Yohei Okubo, Shin-ichi Yusa
- 2Pf086 Complexation-Mediated Chiral Arrangement of Non-chiral Molecules by Supramolecular Gelator Having Terpyridyl Group
Koichiro Takezono, Ryuya Hirata, Nanami Hano, Yutaka Kuwahara, Hirotaka Ihara, Makoto Takafuji
- 2Pe087 Crosslinking of Self-Assembled Structure of Cyclodextrin and Polymer and its Function
Di Liu, Shuntaro Uenuma, Hideaki Yokoyama, Kohzo Ito

D. BIOPOLYMERS AND BIORELATED POLYMERS

- 2Pf088 Evaluation of in-cell expression and in-cell self-assembly of artificial viral capsids
Yuka Yamamoto, Kentarou Sakamoto, Hiroshi Inaba, Kazunori Matsuura
- 2Pe089 Construction of microtubule superstructures by presentation of Tau-derived peptides on the outer surface of microtubules
Daichi Kageyama, Hiroshi Inaba, Arif Md. Rashedul Kabir, Akira Kakugo, Kazuki Sada, Kazunori Matsuura
- 2Pf090 Optical control of microtubule structures by Tau-derived peptide-fused photoresponsive tetrameric protein
Soei Watari, Hiroshi Inaba, Takashi Iwasaki, Rashedul Kabir Arif Md., Akira Kakugo, Kazuki Sada, Kazunori Matsuura
- 2Pe091 Anti-cancer drug delivery to cancer cells using artificial viral capsid modified with fluorinated peptide
Hirotaka Furukawa, Hiroshi Inaba, Koji Kadota, Kohsuke Aikawa, Takashi Okazoe, Kazunori Matsuura
- 2Pf092 Studies on the gene delivery efficiency with carbon nanotube modified with mitochondria targeting and endosome disrupting peptides.
Yuma Mukai, Simon Sau Yin Law, Ryo Hamano, Tsuyohiko Fujigaya, Keiji Numata
- 2Pe093 Development of cell-permeating bioconjugate phospholipid polymers for biomacromolecules delivery
Koki Onoda, Yuta Yoshizaki, Tomohiro Konno
- 2Pf094 Discovery of anti-ice nuclear peptides by phage display method
Sora Okamoto, Madoka Washizaki, Yoshiaki Hirano
- 2Pe095 Evaluation to biomineralization with amelogenin-derived periodic peptide
Yusuke Tamba, Tatsuo Yajima, Yoshiaki Hirano
- 2Pf096 Selective Removal of Denatured Proteins by Metal-Organic Frameworks
Hirotaka Taketomi, Nobuhiko Hosono, Takashi Uemura
- 2Pe097 Construction of a peptide array-based identification system for water-soluble polymers
Yuki Tano, Toshiki Sawada, Masayoshi Tanaka, Mina Okochi, Takeshi Serizawa
- 2Pf098 Reactivity of Partial Peptides Designed from Classical Swine Fever Virus C-Protein Against Various Sera from Wild Boars and Domestic Pigs
Hinata Tanaka, Hiroyuki Oku
- 2Pf100 Synthesis of Polyelectrolyte Brush Containing Arsonium Cation and Hydrated Swollen Thickness

Takumi Komiya,Raita Goseki,Motoyasu Kobayashi

- 2Pe101 The Length Control and In Vivo Evaluation of One-Dimensional Molecular Assemblies Based on self-assembly Amphiphilic Graft Copolymers
Yusuke Sakamoto,Tomoki Nishimura
- 2Pf102 Fabrication of porous structures composed of cellulose nanofibers and deposition of conductive polypyrrole
Takumi Naito,Yuuka Fukui,Keiji Fujimoto
- 2Pe103 Evaluation of Biomineralization Capability of Genetically Engineered Filamentous Viruses
Yuta Mibe,Takeshi Serizawa,Toshiki Sawada
- 2Pf104 Selective isolation and concentration of enzyme inhibitor from the contaminated solution by the thrombin-encapsulated core-shell fibermats, prepared using the SCES method
Momoka Kato,Toshihisa Mizuno
- 2Pe105 Development of a helical fiber-forming peptide that enables photo-control of the bioadhesive property
Atsuya Yaguchi,Noriyuki Uchida,Itsuki Ajioka,Takahiro Muraoka
- 2Pf106 Dramatic Morphological Changes of Liposomes induced by Peptide Nanofibers Reversibly Polymerized and Depolymerized by Photo-isomerization
Yingbing Liang,Shigesaburo Ogawa,Hiroshi Inaba,Kazunori Matsuura
- 2Pe107 Gel-Sol Transition in Response to Methionine Oxidation of Amphiphile Peptides and Applications to Kinetics-Controlled Cargo Release
Yoshika Hara,Atsuya Yaguchi,Hirotsugu Hiramatsu,Takahiro Muraoka
- 2Pf108 Disk-shaped co-assembly composed of amphiphilic polypeptide and phospholipid
Motoki Ueda,Yoshihiro Ito
- 2Pe109 Photophysical properties of up-conversion in cholesterol-containing liposomes
Urara Hioki,Hideki Kawai
- 2Pf110 Photophysical properties of up-conversion in dye-encapsulated nanoparticles
Ryota Mizutani,Hideki Kawai

Fri. May 26

Presentation Time

<a = 10:15~10:55>

<b = 10:55~11:35>

A. POLYMER CHEMISTRY: SYNTHESIS AND REACTIONS

- 3Pa001 Synthesis of dendron and dendrimer based on urethane
Shunya Inayama,Shotaro Hayashi
- 3Pb002 Synthesis and physical properties of star oligourethanes having triphenylene
Shunya Inayama,Shotaro Hayashi
- 3Pa003 Design of arm numbers and core structure of multiarm star poly(N-isopropylacrylamide) for controlled aggregation
Shuya Hayashi,Shohei Ida,Shokyoku Kanaoka
- 3Pb004 Design of novel network polymers by ionic interaction between thermoresponsive star polymer and polyethyleneimine
Asaka Nishigaki,Shohei Ida,Shokyoku Kanaoka
- 3Pa005 Precision Synthesis of Multiarm Star Polymers with Cholesterol Chain Ends and Their Film Properties Characterized by Intermolecular Interaction
Akira Kanamaru,Shohei Ida,Shokyoku Kanaoka
- 3Pb006 Novel Functions of Star Polymers of Acrylates with Common Structures: Unique Surface Properties and Modifier Effects
Shohei Ida,Hiroki Tanigawa,WEICHEN CHANG,Kohei Zenta,Shokyoku Kanaoka

- 3Pa007 Synthesis of well-defined microgel star-shaped polymers bearing periodic arm polymers
Yukina Ogura, Jin Motoyanagi, Masahiko Minoda
- 3Pb008 Synthesis and surface characterization of cyclic polyesters being with a perfluoroheptyl group
Itsuki Watanabe, Kota Manabe, Kenji Sugiyama
- 3Pa009 Synthesis of Thermoresponsive Polymers with Various Structures by Living Cationic Polymerization Using Multifunctional Initiators and Their Thermoresponsive Behavior
Yuyu Furuki, Arihiro Kanazawa, Sadahito Aoshima
- 3Pb010 Syntheses of Branched Poly(vinyl alcohol)s: Radical Polymerization of Vinyl Boronate and Post-Polymerization Transformation.
Tomooki Kanazawa, Tsuyoshi Nishikawa, Makoto Ouchi
- 3Pa011 Precise Syntheses of Sequence-Controlled Graft Copolymers from Alternating Acrylamide Copolymers and the Sequence-Dependent Physical Properties
Aoto Ishikawa, Keita Kuroda, Makoto Ouchi
- 3Pa013 Crosslinking of acrylic acid copolymers by reversible bond exchange via conjugate substitution reaction: Synthesis and properties
Natsumi Nishiie, Sae Tezuka, Ryo Kawatani, Mikihiro Hayashi, Yasuhiro Kohsaka
- 3Pb014 Rapid degradation of aspirin-derived vinyl polymer by high-temperature water
Akane Kazama, Mitsumasa Osada, Yasuhiro Kohsaka
- 3Pa015 Gelation and Degradation of Star Polymers with Specific Degradability Introduced at Linkage Sites
Junichiro Takahashi, Gaishi Murakami, Satoshi Sakai, Tomohiro Kubo, Kotaro Satoh
- 3Pb016 Development of Novel Degradable Vinyl Polymers by Interlocking Degradation based on 1,5-shift
Sota Yamamoto, Tomohiro Kubo, Kotaro Satoh
- 3Pa017 Control of the Network Structure in Single-chain Nanoparticles with Dynamic Disulfide Bonds
Gota Tomono, Hirogi Yokochi, Hideyuki Otsuka
- 3Pb018 Synthesis and Mechanoactivity of Crystalline Polymers with Mechanochromophore at the Center of Polymer Chains
Ko Onuma, Riho Shibata, Takuma Watabe, Hideyuki Otsuka
- 3Pa019 Synthesis and Evaluation of Diarylacetic Acid Derivatives for Detecting Polymeric Mechanoradicals
Yuto Uchida, Takumi Yamamoto, Daisuke Aoki, Hideyuki Otsuka
- 3Pb020 Development of Addition-type Molecular Probes for Detecting Polymeric Mechanoradicals
Akira Kodaka, Takumi Yamamoto, Hajime Sugita, Hideyuki Otsuka
- 3Pa021 Effect of Dynamic Hindered Disulfides on the Adhesion of Epoxy Resins
Fuga Sawakawa, Sae Sakamoto, Hideyuki Otsuka
- 3Pb022 Synthesis of Vinyl Polymers Bearing Boronic Acid on Backbone through Radical (Co)Polymerization of Vinylboronic Acid Derivatives Followed by Deprotection
Takuma Kawada, Tsuyoshi Nishikawa, Makoto Ouchi
- 3Pa023 Photoinduced Perfluoroalkylation Using LED Lights for Aromatic Polymers
Ai Yamaguchi, Tadashi Kanbara, Tomoko Yajima

B. POLYMER PHYSICS: STRUCTURE AND PROPERTIES

- 3Pa025 Morphology and Structure of Mixed Monolayers of Nanocellulose and Organo-modified Nanoclays at The Air/Water Interface
Shogo SUGITA, Ryoma NAKADA, Atsuhiko FUJIMORI
- 3Pb026 Characterization of Thixotropic Solvent Gel Coatings Containing Organo-

modified Nanodiamonds
Yuka HASUNUMA,Atsuhiko FUJIMORI

- 3Pa027 Synthesis of polypyrrole microtubes by vapor phase polymerization in the presence of cotton candy
Ryuga Sakabe,Yuya Oaki,Tomoyasu Hirai,Yoshinobu Nakamura,Syuji Fujii
- 3Pa029 DNA Patterning Utilizing Mixed Monolayer Template by Phase Separation Between Hydrocarbons and Fluorocarbons
Momo MAEDA,Yoshiki SHIODA,Atsuhiko FUJIMORI
- 3Pb030 Attempt to Utilize Interfacial Films of Organo-modified Single-Walled Carbon Nanotube as Biomolecular Adsorption Templates
Yuna YAMADA,Kai XU,Atsuhiko FUJIMORI
- 3Pa031 Attempts to Control Various Phase Separated Patterns in Mixed Monolayers of Non-Amphiphilic Fluorinated Derivatives and Hydrogenated Comb Copolymers
Yoshiki SHIODA,Momo MAEDA,Atsuhiko FUJIMORI
- 3Pb032 Solvato-switching of secondary structure of the amphiphilic peptide in the ionic polymer film
Yuina Tanabe,Masayoshi Tanaka
- 3Pa033 Synthesis of Low-Density Stiff Carbon Nanomembrane from Porous Thermosetting Polymer Nanomembrane
Kunita NUMABE,Yudai YOKOYAMA,Tengfei Fu,Takuzo AIDA,Yoshimitsu ITOH
- 3Pb034 Reflection properties of lamellar structures from aqueous solutions of monoglycerides
Misaki Hattori,Yuki Ogiwara,Naoto Iwata,Seiichi Furumi
- 3Pa035 Preparation of anisotropic liquid crystal capsules for flexible liquid crystal displays
Atsuya Kato,Daisuke Aoki,Tatsuo Taniguchi,Takashi Karatsu
- 3Pb036 Preparation and Intermolecular Energy Transfer of Orientation Controlled Conjugated Polymer Hetero-multilayered Films
Yuya Ishizaki,Yukihiro Daito,Takahiro Seki,Shusaku Nagano
- 3Pa037 Synthesis of a Triptycene-Based Trication and Its Complexation Behavior with Inorganic Layered Materials
Ryota Yoshie,Yoshiaki Shoji,Takanori Fukushima
- 3Pb038 Two-Dimensional Assembly of Molecular Rotor Units Using a Tripodal Triptycene Scaffold
Takejiro Ogawa,Fumitaka Ishiwari,Ryosuke Takehara,Yoshiaki Shoji,Takanori Fukushima
- 3Pa039 Synthesis and Properties of Organic Two-Dimensional Structures by Self-Assembly of Electron-Accepting Propeller-Shaped Molecules
Shuta Tsuruga,Shion Yamamoto,Ryosuke Takehara,Yoshiaki Shoji,Takanori Fukushima

C. FUNCTIONAL POLYMERS AND POLYMER FUNCTIONS

- 3Pa041 Syntheses and electrochemical properties of anthraquinone derivatives utilizing cage silsesquioxane as a scaffold
Ryota Tanaka,Showa Kitajima,Kouki Oka,Norimitsu Tohnai,Hiroaki Imoto,Kensuke Naka
- 3Pb042 Development of self-doped conducting polymer actuators composed on carbon nanotube
Yuhō Kobayashi,Tetsu Mitsumata,Norio Tsubokawa,Hirokazu Yano,Haruka Aoki,Takeshi Yamauchi
- 3Pa043 Preparation of Magnetic Fluid Utilizing Oxidative Polymerization of Thiophene Derivative
Koichiro Tanaka,Masashi Tamura,Takahiro Uno,Masataka Kubo

- 3Pb044 Synthesis of helical poly(diphenylacetylene) derivatives with a thiol group at the terminus and their application to the CISS effect
Kohei Mogi, Tsuyoshi Taniguchi, Tatsuya Nishimura, Katsuhiko Maeda
- 3Pa045 Synthesis of Water-Soluble Oligothiophenes and Their Application to Carbon Nanotube Dispersants
shugo ariga, masatoshi kidowaki, hitoshi muguruma
- 3Pb046 Development of a Thin-Film Humidity Sensor Comprising Conductive Polymer and Polyvinyl Alcohol
Aoi Okonogi, Hajime Fujita, Tatsuhiko Horii, Toshinori Fujie
- 3Pa047 Investigation of post-crosslinking reaction of narrow-bandgap polymers for application of electronic materials
Haoxuan Guo, Hiroyuki Aota
- 3Pa049 Synthesis of Sulfonated Aromatic Polymers Containing (2,2,2-Trifluoroethane-1,1,1-triyl)triaryl (TFTA) Groups in the Main Chains
Junpei Miyake, Hiroyuki Hayakawa
- 3Pb050 Effect of Octafluorobiphenylene Group on the Properties of Sulfonated Polyphenylene Membrane
Rena Suetsugu, Junpei Miyake
- 3Pa051 Synthesis of Self-healing Resins by Radical Reaction of Sulfur and Thiol Derivatives and Application to Lithium-sulfur Battery
Hiroto TOMINAGA, Kenjiro ONIMURA, Kazuhiro YAMABUKI
- 3Pb052 Chemical durability evaluation of nanofiber composite membranes for polymer electrolyte fuel cells
Natsuki Inoue, Manabu Tanaka, Hiroyosi Kawakami
- 3Pa053 Fabrication and Conductivity Evaluation of Nanofiber Composite Electrolyte Membranes Consisted of Carbonate-based Solid Polymer Electrolytes
Ryodai Fujihashi, Manabu Tanaka, Hiroyoshi Kawakami
- 3Pb054 Synthesis and evaluation of silica particles grafted with electrolyte units (I) - Study of synthetic method-
Yusuke Watabe, Masahiro Fujita, Yuko Takeoka, Masahiro Rikukawa
- 3Pa055 Synthesis and evaluation of polyphenylene-based copolymers with phosphonium group (I) - Investigation of copolymerization ratio -
Hayato Momosawa, Masahiro Fujita, Yuko Takeoka, Masahiro Rikukawa
- 3Pb056 Synthesis of polyphenylene-based electrolytes with superacid groups (I) - Synthesis of random copolymers-
Rio Takahashi, Masahiro Fujita, Yuko Takeoka, Masahiro Rikukawa
- 3Pa057 Preparation of polymer gel-based electrode using sulfolane-based highly-concentrated electrolyte and their application in polymer batteries
Mari Kojitsu, Ryo Motoyoshi, Kaoru Dokko, Masayoshi Watanabe, Kazuhide Ueno
- 3Pb058 Investigation of conductive gel electrodes composed of a liquid metal Ga-In and ionic liquid
Moeka Kanto, Natsuka Usami, Juri Asada, Yuki Ota, Kaoru Dokko, Masayoshi Watanabe, Kazuhide Ueno
- 3Pa059 Ion transport properties of solid polymer electrolytes with sulfolane-based polymers
Wataru Tanaka, Tihiro Doi, Kaoru Dokko, Masayoshi Watanabe, Kazuhide Ueno
- 3Pb060 Chemical Durability Improvement of Polymer Electrolyte Membranes by Introducing Cellulose Nanocrystals as a Gas Barrier Interlayer
I Yang, Zulfi Al Rasyid Gautama, Yasir Arafat Hutapea, Stephen Lyth, Kazunari Sasaki, Masamichi Nishihara
- 3Pa061 Improvement of proton conductivity of acid-grafted polybenzimidazole membrane
Hiroto Miura, Yuki Motoishi, Naoki Tanaka, Tsuyohiko Fujigaya
- 3Pb062 Preparation of novel platinum alternative oxygen reduction catalyst derived from metallic phthalocyanine derivatives and π -conjugated molecules

Tatsumi Sasaki, Tsukasa Ichikawa, Izuru Kobayashi, Nobukatsu Nemoto, Yudai Kitagawa, Kotaro Yoshioka, Yuki Sakamoto, Masaji Akimoto

- 3Pa063 Electrochemical properties of non-platinum catalyst using poly(aza metal phthalocyanine) derivatives.
Noriko Haiya, Hidenori Takasawa, Tsukasa Ichikawa, Izuru Kobayashi, Nobukatsu Nemoto, Masaji Akimoto, Kotarou Yoshioka, Yudai Kitagawa, Yuki Sakamoto
- 3Pb064 Synthesis of Hydrophilic Redox Polymers and Higher Energy Density Aqueous Flow Battery Using Mediated Reaction with LiFePO_4
Yuto Igarashi, Kan Hatakeyama, Kan Kitagawa, Ryota Shinozaki, Kenichi Oyaizu
- 3Pa065 Improved Rate Performances of All-Solid-State Lithium-Sulfur Batteries Using Sulfur-Containing Elastomers as Cathode Active Materials
Masaki Hayashi, Kan Hatakeyama, Kenichi Oyaizu
- 3Pb066 Control of mechanical properties of hydrogels by side chain length
Mion Kino, Kazuma Takahashi, Takuma Kureha
- 3Pa067 Creation of novel SBS elastomers with B chains cross-linked via trans-N-alkylation based exchangeable bonds
Tatsuya Aoyama, Mikihiro Hayashi
- 3Pb068 Toughening of azobenzene-doped acrylic films by irradiating UV light with striped pattern
Hyuma Nasu, Syogo Nobukawa, Katsuhiko Inomata
- 3Pa069 Modified Polyimides Obtained from Tetracarboxylic Dianhydrides Synthesized using Novel Tricarboxylic Acid (3)
Masatoshi Hasegawa, Takuya Ito, Junichi Ishii
- 3Pb070 Colorless Polyimides Derived from Novel Spiro-type Monomers (7). Strategies to Overcome the Trade-off between Low CTE and Low Birefringence
Toya IKUMA, Yoshihiko TERADA, Junichi ISHII, Masatoshi HASEGAWA
- 3Pa071 Modified Polyimides Containing Benzazole Units (21). Effects of Monomers with Intramolecular Ring Formation Ability
Yuto ICHIBA, Yuji SAKAGUCHI, Junichi ISHII, Masatoshi HASEGAWA
- 3Pb072 UV-light Lift Off of Polyimide Films(3)
Natsumi TAKAGI, Yuta SHIMODE, Junichi ISHII, Masatoshi HASEGAWA
- 3Pa073 Low-CTE Colorless Polyimides Suitable for Temporary Adhesion Technique (PITAT) (3)
Kanata NAKADAI, Junichi ISHII, Masatoshi HASEGAWA, Kaya TOKUDA, Tetsuo OKUYAMA, Hiroyuki WAKUI, Naoki WATANABE, Kota KITAMURA
- 3Pb074 Modified Polyimides Derived from Novel Ester-containing Diamines (3). Strategies to Overcome the Trade-off Between Low CTE and Heat-laminating Processability
Keisuke MINAGAWA, Junichi ISHII, Masatoshi HASEGAWA, Toshiyuki GOSHIMA, Win Maw SOE, Takao MIWA
- 3Pa075 Development of Low-CTE Polyimides for Flexible Printed Circuit Boards (2)
Naoya NAKANO, Junichi ISHII, Masatoshi HASEGAWA
- 3Pb076 Polybenzoxazoles with Low Coefficient of Thermal Expansion (14). Modification Effects of Unsymmetrical Monomers
Yudai HAYASHI, Junichi ISHII, Masatoshi HASEGAWA
- 3Pa077 Organo-Soluble Low CTE Polyimides (17). Effects of Ether-linked Monomers
Shinya ICHIKAWA, Junichi ISHII, Masatoshi HASEGAWA
- 3Pb078 Polybenzoxazoles with Low Coefficient of Thermal Expansion (15). Effects of Fluorinated Monomers.
Kakeru ONODERA, Kouhei Kikuchi, Junichi ISHII, Masatoshi HASEGAWA
- 3Pa079 Low-modulus Polyimides (20). Improvement of non-flammability by Phosphorus-containing monomers
Junichi Ishii, Ryoya Tsuyuki, Ayato Ichikura, Yuki Ishihara, Ayumi Sekine, Masatoshi Hasegawa

- 3Pb080 Mechanical properties of polydimethylsiloxane-based knitted dissimilar polymeric materials with movable cross-links
Naoki Yamashita, Daichi Yoshida, Junsu Park, Ryohei Ikura, Nobu Kato, Masanao Kamei, Kentaro Ogura, Minoru Igarashi, Hideo Nakagawa, Yoshinori Takashima
- 3Pa081 Toughening phenomenon of ionic comb polymers using alkylamine
Kento Yasuda, Daisuke Aoki, Koji Arimitsu
- 3Pb082 Effect of degree of polymerization on the toughening of poly(vinyl alcohol)-based hydrogel
Koshiro Nakamura, Junhyuk Kim, Shohei Ishikawa, Ung-il Chung, Takamasa Sakai

D. BIOPOLYMERS AND BIORELATED POLYMERS

- 3Pb084 Construction of Chimeric Artificial Nucleic Acids (CANA) toward Pancreatic Cancer Treatments by Inhibition of Transcription Factor Bach1-I: Design, Synthesis, and in vitro Properties
Yuto Horiuchi, Nozomu Ishiwata, Kazutoshi Fujita, Yasuyuki Araki, Masaki Nishijima, Masaki Sato, Mitsuyo Matsumoto, Kazuhiko Igarashi, Takehiko Wada
- 3Pa085 Mechanism of CTL activity induction by conjugates consisting of adjuvant nucleic acid and antigenic peptide
Yuto Oe, Miyu Matsuda, Koji Morita, Makoto Koizumi, Shinichi Mochizuki
- 3Pb086 Development of SARS-CoV-2 recognition interfaces using DNA aptamers-modified conducting polymers
Tatsuro GODA, Kosei TESHIGAHARA
- 3Pa087 Photoswitching for DNA computing by cationic polymers modified with caged compound
Yuki Hirayama, Atsushi Maruyama, Naohiko Shimada
- 3Pb088 Triplex DNA structures stabilization using DNA conjugates with cationic comb-type copolymer
Raito Hayashi, Naohiko Shimada, Atsushi Maruyama
- 3Pa089 Visible light photodimerization of stilbene by Ru(II) complex introduced into DNA
Hidenori Azuma, Hiroyuki Asanuma, Hiromu Kashida
- 3Pb090 Molecular dynamics study of the mechanism of DNA damage by OH radicals
Ryuta Kawanami, Susumu Fujiwara, Tomoko Mizuguchi, Yoshiteru Yonetani, Tsukasa Aso, Hiroaki Nakamura
- 3Pb092 Development of biodegradable photothermal nanoparticles for near-infrared light induced manipulation of neurons
Hiroki Yamaguchi, Taiki Onoe, Yutaro Matsushita, Masao Kamimura
- 3Pa093 Poly(2-ethyl-2-oxazoline) modified magnetic nanoparticles for manipulation of immune cells
Ryuto Yamanaka, Masakazu Kubota, Nanami Kuwahara, Keito Nakajima, Masao Kamimura
- 3Pb094 Development of an exogenous antigen delivery system to cancer cells to enhance CTL activity
Aine Koga, Soichi Ogata, Shinichi Mochizuki
- 3Pa095 Development of an injectable polymer formulation containing nanoparticles for sustained release of drugs
Ayaka Kawakami, Yuta Yoshizaki, Ayaka Ashida, Nobuo Murase, Yuichi Ohya
- 3Pb096 Fabrication and evaluation of drug-wrapped nanomaterials for promoting epidermal regeneration
Yota Shiba, Genta Yagami, Tadahiro Fuyama, Hideaki Sumiyoshi, Yutaka Inagaki, Yosuke Okamura
- 3Pa097 Design and surface functionalization of nanoparticles capable of retaining biomacromolecules
Haruka Konno, Yoshihiko Murakami

- 3Pb098 Development of biomacromolecules-based gel particles by using aqueous two-phase system for pulmonary DDS
Yuki Ono,Yoshihiko Murakami
- 3Pa099 Preparation of porous carriers for pulmonary DDS by using spontaneous emulsification: utilization of polysaccharides and control of physical properties
Hikaru Harasawa,Yoshihiko Murakami
- 3Pb100 Fabrication and evaluation of biodegradable discs encapsulated phenobarbital for nasal administration
Rintarou Suwa,Hayato Yokose,Naoya Ichihara,Kazuki Nagasima,Yosuke Okamura
- 3Pa101 Preparation of phospholipid polymer solubilizers forming reversible binding to poorly water-soluble compounds and the evaluation of stimuli-responsive drug release.
Ryoko Hosaka,Yuta Yoshizaki,Tomohiro Konno
- 3Pb102 Construction of the protein capsule composed of VHH antibody-fused amphiphilic protein and evaluation of cytosolic delivery of guest proteins
Kousuke Takahashi,Taiki Nishiyama,Toshihisa Mizuno
- 3Pa103 Drug delivery to immune cells using various carboxy-terminal dendrimers with phenylalanine
Hiroya Shiba,Tomoka Hirose,Masataka Michigami,Ikuo Fujii,Ikuhiko Nakase,Akikazu Matsumoto,Chie Kojima
- 3Pb104 Liposome surface modification with PMPC-lipids for the development of drug carriers
Haruna Suzuki,Naoko Nakamura,Kazuhiko Ishihara,Yuji Teramura
- 3Pa105 Synthesis of PEG-modified dendrimers with different numbers of PEG and their tumor accumulation properties
Junjie Yao,Ayako Tsujimoto,Hao He,Akikazu Matsumoto,Chie Kojima

Presentation Time

<c = 13:15~13:55>

<d = 13:55~14:35>

A. POLYMER CHEMISTRY: SYNTHESIS AND REACTIONS

- 3Pc001 Control over the Topological Transformation of Cyclic Poly(Ethylene Glycol) with an Acid-Cleavable Linkage
Masato Yamasaki,Tomohisa Watanabe,Takuya Yamamoto
- 3Pd002 Introduction of graft chains into polyrotaxane by ring-opening polymerization reaction of cyclic monomers
Takahiro Imai,Shota Ando,Hideaki Yokoyama,Kohzo Ito
- 3Pc003 Synthesis of linear-hyperbranched diblock copolymers containing poly(triphenylamine) by means of Suzuki-Miyaura catalyst-transfer chain-growth condensation polymerization
Ryusuke SHIMADA,Yoshihiro OHTA,Tsutomu YOKOZAWA
- 3Pd004 Synthesis of Star Polysulfide by Living Ring Expansion Polymerization of Cyclic thiocarbamate and Thiiranes
Ryouta Tsutsui,Hiroto Kudo
- 3Pc005 Synthesis and microphase separation of bottlebrush block copolymer consisting of oligosaccharides and poly(δ -decanolactone)
Ryosuke Nunokawa,Taiki Nishimura,Yamato Ebii,Feng Li,Takuya Yamamoto,Kenji Tajima,Toshifumi Satoh,Takuya Isono
- 3Pd006 Synthesis of PAMAM dendrimers having oxazine derivatives and their thermosensitive properties
Kai Ota,Yui Nishikawa,Keigo Aoi
- 3Pc007 Synthesis of ladder polymer using intramolecular ATRP method of multi-vinyl

polymer

Kazuteru Kawanami, Kazuya Natsume, Kazuzi Enomoto, Moriya Kikuchi, Seigou Kawaguchi

- 3Pd008 Rapid exchange of stabilizing molecules and encapsulation with polyglycidol on magnetic nanoparticles
Ayane Kawamura, Mirai Saijo, Tadashi Tsukamoto, Yoshikuki Oishi, Yuji Shibasaki
- 3Pc009 Synthesis and properties of polyurethanes with incompletely-condensed and completely-condensed cage silsesquioxane in the main and side chains
Honoka Yonezawa, Yuta Hirosawa, Hiroaki Imoto, Kensuke Naka
- 3Pd010 Material property control of pendant polysiloxane using trifluoropropyl-substituted incompletely condensed cage silsesquioxane
Miku Kosaka, Taishi Nakano, Kenji Kanaori, Hiroaki Imoto, Kensuke Naka
- 3Pc011 Novel synthesis method of octa alkoxy caged silsesquioxane
Naoki Watanabe, Hiroaki Imoto, Kensuke Naka
- 3Pc013 Development of Solid-State Luminescent Stimuli Responsive Materials Based on Carborane-Assisted π -Stacking Structure
Kazuhiro Yuhara, Kazuo Tanaka
- 3Pd014 1D arrangement of guest molecules in the syndiotactic PMMA helical cavity
Kosei Nakata, Ituki Tousya, Takehiro Kawauchi
- 3Pc015 Synthesis of multi-functional elastomers with high content of halogen bonding for biomedical applications
Yuya Oyama, Naruki Kurokawa, Atsushi Hotta
- 3Pd016 Design and Synthesis of Ru-Carbon Covalent Bonded Metallosupramolecular Polymers for Electrochromic Application
Banchhanidhi Prusti, Masayoshi Higuchi
- 3Pc017 Elucidation of Multiple Hydrogen Bonds between Tetraazacalixarene Triazine and Polyethyleneimine and Construction of Molecular Assemblies
Tomohiro Suzuki, Tadashi Tsukamoto, Yoshiyuki Oishi, Yuji Shibasaki
- 3Pd018 Postpolymerization modification of LCST-type thermoresponsive poly(2-methoxyethoxycarbonylmethylene)
Shota Inouchi, Hiroaki Shimomoto, Tomomichi Itoh, Eiji Ihara
- 3Pc019 Amino group modification and solubility evaluation of poly(vinyl alcohol) by chemoselective transesterification
Miyuki Oshimura, Kai ming Huang, Ryo Fujiwara, Tomohiro Hirano, Koichi Ute
- 3Pd020 Amide group modification to poly(vinyl alcohol) side chain and evaluation of thermal properties and solubility
Miyuki Oshimura, Yuya Masaki, Tomohiro Hirano, Koichi Ute
- 3Pc021 Synthesis of Bis-hydroxyurethaneamine by reacting Ethylene Carbonate and Diethylenetriamine
Junbeom Kim, Ryu Tada, Osamu Tsutsumi, Yoshio Furusho, Takeshi Endo
- 3Pd022 Preparation of Novolac-MOF composites by polycondensation between the host ligand and guest molecules
Mariko Tsutsumi, Keitaro Matsuoka, Kazuki Sada
- 3Pc023 Fast enzymatic degradation of nanofibrillated polycaprolactone
Mikako Tachioka, Mikiko Tsudome, Shigeru Deguchi
- 3Pd024 Preparations and Characterizations of Blocky-modified Poly(vinyl alcohol) in Supercritical Carbon Dioxide
Ryohei Hori, Takashi Nishino, Takuya Matsumoto
- 3Pc025 Development of polymers with pendant propargyl esters as activated ester-bearing polymers
Tomonari Tanaka, Shoichiro Iwamoto
- 3Pd026 Synthesis of Block Copolymers with Poly(thienylene vinylene) Chains Based on

Environmentally friendly Polymerization Method

Koya Nishiyama, Tomoya Higashihara

- 3Pc027 Synthesis of ternary polyimide crosslinked with polyamine and its dielectric constants.
Koki Tezuka, Toshihiro Hiejima
- 3Pd028 Mechanochemistry of Molecular Photoswitches Based on Stiff-Stilbene Skeleton
Misaki Majima, Keiichi Imato, Akira Ishii, Ayane Sasaki, Ichiro Imae, Yousuke Ooyama
- 3Pc029 Development of radiation and heat resistant elastomer materials for severe accident countermeasures in nuclear power plants
Naotsugu Nagasawa, Pataru Aparu, Masafumi Shigita, Chie Matsuda, Hajime Seito, Masayuki Ito, Yoshito Kadowaki, Yukiko Takeuchi, Shinya Shimada, Syunsuke Nakamura, Mitsumasa Taguchi, Masakazu Washio

B. POLYMER PHYSICS: STRUCTURE AND PROPERTIES

- 3Pc031 Preparation and characterization of colloidal crystals and colloidal amorphous aggregates using TiO₂ particles.
Yangnan JIANG, Yukikazu Takeoka
- 3Pd032 Preparation and Optical Property of Ternary Hybrid Composed of AIE Polyfluorene, Silicone Resin, and Silica
Yusuke Suidu, Amira Zainuddin, Takahiro Uno, Masataka Kubo
- 3Pc033 In-situ observation of failure in crystalline polymers using aggregation-induced emission
Yusuke Momonoi, Yusuke Hiejima, Asae Ito, Koh-hei Nitta
- 3Pd034 Strain recovery after stress removal of graded styrene-butadiene rubber
Do Quoc Viet, Takumitsu Kida, Masayuki Yamaguchi, Kensuke Washizu, Takayuki Nagase, Toshio Tada
- 3Pc035 Nano Structural Observation of Polymer Materials by AFM Combined with Stretching System
Masataka Uchida, Kouhei Fujihara, Feng-Yueh Chan, Yuichiro Nisizawa, Takayuki Uchihashi
- 3Pd036 Humidity dependence evaluation of mechanical properties in the film thickness direction in electrolyte membranes
Kato Tsuyoshi, Kanda Souki, Matoba Nobuhiro, Naoki Man Naoki
- 3Pc037 Effect of heater size on micro-volume thermal diffusivity measurements of polymers by micro-TWA methods
Ryota Morioka, Meguya Ryu, Junko Morikawa
- 3Pd038 Thermal diffusivity measurements of 3D microstructures of polymers fabricated by DLW method
Shiori Nakagawa, Ryota Morioka, Vygantas Mizeikisu, Meguya Ryu, Junko Morikawa
- 3Pc039 Evaluation of absolute value of heat capacity for polyisobutylene above 380 K by DSC
Ryoto Suzuki, Itaru Tsukushi
- 3Pd040 In-plane thermal diffusivity measurements of polyimide thin films with MEMS devices
Felix Jiang, Shiori Nakagawa, Xuan Thang Vu, Meguya Ryu, Hayato Maeda, Ryo Yoshida, Sven Ingebrandt, Teruaki Hayakawa, Junko Morikawa
- 3Pc041 Measurement of phase transition temperatures with micro scale temperature wave analysis (TWA) using MEMS devices
Shuji Kamgeaki, Meguya Ryu, Junko Morikawa
- 3Pc043 Surface Modification of Polymer Particles by Aqueous Metal-Free Photo-Induced Atom Transfer Radical Polymerization of Amine Monomer and Application to Carrier Materials for Biomolecules

Risa Sugihara, Daiya Shimizu, Tatsuo Taniguchi, Daisuke Aoki, Takashi Karatsu

- 3Pd044 Synthesis of heat-resistant polymer particles by RAFT precipitation polymerization
Shun Yamazaki, Daisuke Aoki, Tatsuo Taniguchi, Takashi Karatsu, Yuki Ueda, Ryuhei Motokawa, Koki Okura, Takeshi Wakiya
- 3Pc045 Occurrence of Structural Color by Layered Assembling of Single-Particle Layers of Organo-Modified Inorganic Nanoparticles
Yui YAMAGISHI, Atsuhiko FUJIMORI
- 3Pd046 Synthesis of living polymer particles by RAFT precipitation polymerization
Erina Asato, Daisuke Aoki, Tatsuo Taniguchi, Takashi Karatsu
- 3Pc047 Synthesis of polypyrrole nanoparticles by stabilizer-free precipitation polymerization
Yuya Atsuta, Kazusa Takeuchi, Nano Shioda, Wakana Hamada, Yuya Oaki, Tomoyasu Hirai, Yoshinobu Namura, Syuji Fujii
- 3Pd048 Synthesis of Janus particles by vapor-phase polymerization: Control of particle size
Kazuma Kuroiwa, Kazusa Takeuchi, Yuya Oaki, Tomoyasu Hirai, Yoshinobu Nakamura, Syuji Fujii
- 3Pc049 Synthesis of non-spherical vinyl polymer particle using liquid marble
Tatsuro Yoshida, Shoichiro Aoki, Tomoyasu Hirai, Yoshinobu Nakamura, Syuji Fujii
- 3Pd050 Synthesis of Fluorinated Porous Cellulose Particles
Kodai Yamano, Toyoko Suzuki, Hideto Minami
- 3Pc051 Formation of Patchy Colloids by Co-assembly of π -Conjugated Polymers
Shun-ichiro Noguchi, Osamu Oki, Hiroshi Yamagishi, Junpei Kuwabara, Takaki Kanbara, Yohei Yamamoto
- 3Pd052 Effect of shell thickness on particle assembly behavior and structural coloration of core-shell type melanin particles
Taku Watanabe, Hiroshi Fudouzi, Keiki Kishikawa, Michinari Kohri
- 3Pc053 Assembly behavior and structural coloration of melanin particles surface-modified with photo-crosslinkable polymers
Yui Maejima, Yasuhiko Iwasaki, Keiki Kishikawa, Michinari Kohri
- 3Pd054 Characterization of G-quadruplex DNA-functionalized nanoparticles and its application
Masahiro Fujita, Mizuo Maeda
- 3Pc055 Preparation and evaluation of gas-liquid Interfacial polysiloxane thin films as CO₂ separation membranes
Yu Kugumiya, Masahiko Kawata, Satoshi Watanabe, Masashi Kunitake
- 3Pd056 A self-assembly formed from amphiphilic block peptoid comprising a crystalline segment
Renya Fukuda, Yota Okuno, Tomoki Nishimura, Yasuhiko Iwasaki

C. FUNCTIONAL POLYMERS AND POLYMER FUNCTIONS

- 3Pd058 Effect of Succinonitrile addition on Electrochemical Properties of Polycarbonate-based Solid Electrolytes
Hyouma Nakazato, Yoichi Tominaga
- 3Pc059 Characterization of polycarbonate electrolyte-based Li battery using surface-treated cathodes
Mai Okamoto, Yoshiya Tamaki, Hiroaki Usui, Yoichi Tominaga
- 3Pd060 Characterization and preparation of Mg secondary battery using polymer-coated cathode active material
Kazuki Komami, Naomi Nishimura, Yoichi Tominaga
- 3Pc061 Preparation and characterization of composite electrolytes of carbonate/ether

copolymer filled with silica nanofiber
Ryu Hasebe,Hidetoshi Matsumoto,Yoichi Tominaga

- 3Pd062 Effect of Inorganic Filler Addition on Electrolyte Properties of Crosslinked Carbonate-based Copolymer
Nantapat Soontornnon,Yoichi Tominaga
- 3Pc063 The hydrogel functionalized with cucurbiturils to utilize the host-guest interaction for the ionic thermoelectric effect
Soshi Iokawa,Yuki Kabaya,Masatoshi Kidowaki,Takeshi Shimomura
- 3Pd064 Preparation and conductivity of rigid polymer network film for application to polymer electrolyte fuel cells.
Ryohei Nishioka,Atsu Goto,Tetsuya Uchida
- 3Pc065 Stabilization of Si Based Anode for LIB Using BIAN Type Conjugated Polymer/Poly(lithium acrylate) Binder
Sameer Nirupam Mishra,Noriyoshi Matsumi
- 3Pd066 Charge-Discharge Study of Li Ion Secondary Batteries Using Poly(substituted methylene) as Electrolyte
Amarshi Patra,Noriyoshi Matsumi
- 3Pc067 Charge-Discharge Study of Li Ion Secondary Batteries Using Bithiophene Containig BIAN Type Conjugated Polymer as Anodic Acitive Material
Saibrata Punyasloka,Noriyoshi Matsumi
- 3Pd068 Preparation of Anodic Active Materials Suitable for High Rate Charge-Discharge of LIB by Calcination of BIAN Based Conjugated Polymer
Bharat Srimitra Mantripragada,Rajashekar Badam,Noriyoshi Matsumi
- 3Pc069 Improvement of Performance of SiO₂-based Anode with Poly(vinylphosphonic acid) Binder under Acidic Environment
Noriyuki Takamori,Rajashekar Badam,Tadashi Yamazaki,Takuro Furukawa,Noriyoshi Matsumi
- 3Pd070 Superior electrochemical performance of LiNMC type cathode by using dithiethyl-BIAN additive.
Yusaku Asai,Agman Gupta,Noriyoshi Matsumi
- 3Pc071 Ion Conductive Properties of Carbonate/Boron Compound Electrolyte System
Zhaohan Liu,Noriyoshi Matsumi
- 3Pc073 Preparation of Anodic Active Materials Suitable for High Rate Charge-discharge by Calcination of Poly(benzimidazole/amide) Copolymers
Kottisa Sumala Patnaik,Zhong Xianzhu,Rajashekar Badam,Tatsuo Kaneko,Noriyoshi Matsumi
- 3Pd074 Synthesis of Poly(arylene phosphine)s with Sterically Demanding Phosphorus Centers and Their Transformation to Polyelectrolytes toward Highly Robust Anion Exchange Membranes
Ryoyu Hifumi,Yisheng Wang,Yoshikazu Toyama,Ikuyoshi Tomita
- 3Pc075 Synthesis of Alkoxy-Substituted Triarylsulfonium Salts and Polymers Containing Corresponding Units for High Robust Anion-exchange Membranes.
Tomohiro Imai,Ryoyu Hifumi,Shinsuke Inagi,Ikuyoshi Tomita

D. BIOPOLYMERS AND BIORELATED POLYMERS

- 3Pd076 Cytosolic delivery of p53 and evaluation of apoptosis induction behavior
shuho Kato,Ryohei Kaie,Toshihisa Mizuno
- 3Pc077 Preparation of biocompatible polymer-modified TiO₂ nanoparticles for sonodynamic therapy
Azusa Inoue,Aoi Katayama,Yukiya Kitayama,Eiji Yuba,Atsushi Harada
- 3Pd078 Preparation of TiO₂ nanoparticles-encapsulated ternary complexes coated by polycarboxylates with charge reversal property
Moe Furuta,Junya Emoto,Yukiya Kitayama,Eiji Yuba,Atsushi Harada

- 3Pc079 Preparation of fatty acid-based nanodroplets by O/W miniemulsion for controlled release of drugs
Soichiro Kondo, Yuuka Fukui, Keiji Fujimoto
- 3Pd080 Synthesis of photo-caged cell designer molecules for light-responsive cell accumulation at bone tissue
Aya Nagura, Masahiko Nakamoto, Michiya Matsusaki
- 3Pc081 Design of Novel Capsule-forming Amphiphilic Proteins and Evaluation of Encapsulation Behaviors of Guest Proteins.
Honami Yamazaki, Kousuke Takahashi, Taiki Nishiyama, Toshihisa Mizuno
- 3Pd082 Preparation of nanocapsules having stacked structure of magnetite-lipid bilayer-calcite and their application for DDS carriers
Kenta Kumagai, Masahiro Higuchi, Shogo Matsubara
- 3Pc083 Design and function of cationic polysaccharide nanogels as transmucosal vaccine carriers by a mucosal epithelial model
Sotaro Iguchi, Shin-ichi Sawada, Yoshihiro Sasaki, Kazunari Akiyoshi
- 3Pd084 Creation of cyclodextrin-based nanoparticles using biocompatible cross-linkers
Tomoki Kosugi, Van Doan Thi Hong, Kazuo Sakurai
- 3Pc085 Development of polymeric micelles stabilized by hydrophobic cation moieties for efficient mRNA delivery in vivo
Jumpei Norimatsu, Hayato Mizuno, Takayoshi Watanabe, Takumi Obara, Tomoharu Tsukada, Masataka Oitate, Horacio Cabral, Yasutaka Anraku
- 3Pd086 Design and Functional Evaluation of Precisely PEGylated Nanoparticles for Organ-selective mRNA Delivery
Kohki Yamada, Jongmin Yum, Mitsuru Naito, Satoshi Uchida, Hyun Jin Kim, Kanjiro Miyata
- 3Pd088 Size-tunable graft copolymer "nano-ruler" for passive targeting to inflammatory muscle tissue
Mitsuru Naito, Yusuke Watanuki, Kazuko Toh, Jongmin Yum, Masaru Cho, Hiroyuki Chaya, Yuichi Yamasaki, Kensuke Osada, Kanjiro Miyata
- 3Pc089 Change in drug release behavior of cyclodextrin-based nanoparticles due to hydrophobicity of cross-linking agents.
Natsuki Kojima, T.H. Van Van, Kazuo Sakurai
- 3Pc091 Preparation of magnetic nanoparticle cross-linked gels for activation of immune cell
Nanami Kuwahara, Ryuto Yamanaka, Kaho Konishi, Masao Kamimura
- 3Pd092 Preparation of cellular delivery materials using injectable polymers containing cell-adhesive peptides
Nobuo Murase, Yoshiaki Hirano, Yuichi Ohya
- 3Pc093 Development of adipose-derived stem cells-encapsulating hydrogel which prevents scar formation and induces complete regeneration of skin tissue
Hinano Nishida, Kimika Ono, Koji Nagahama
- 3Pd094 Investigation of conditions for induction of cell aggregates by peptides
Masaki Iwamoto, Rino Watanabe, Yoshiaki Hirano
- 3Pc095 Incorporation of cell-penetrating peptide into lipid bilayer membrane and its influence on the cell adhesion
Yuya Sato, Yuji Teramura
- 3Pd096 Fabrication of semi-interpenetrating scaffold containing L-phenylalanine-grafted PVA and its application towards capture of cancer cells
Ryoto Itani, Ryo Mitsuyasu, Donghee Kang, Kenta Homma, Michiya Matsusaki
- 3Pc097 Viscoelastic properties of engineered muscle tissues constructed by using collagen hydrogels with multichannel structures
Kazuya Furusawa, Yuki Kawahana, Ryoya Miyashita
- 3Pd098 Production of Designer Stem Cells by Reactivation of Mitophagy
Yusuke Fujita, Koki Mino, Keisuke Ashiba, Masahiro Yoshioka, Kiyoshi

Sato,Hiroyoshi Kawakami

- 3Pc099 Development of light-responsive cell culture materials using shellac derivatives and application to cell sheets
Yurino Sunakawa,Mai Kondo,Toshihisa Mizuno
- 3Pd100 Construction of a Collagen-based Honeycomb Scaffold for Muscle Fiber Tissue Support by 3-Dimensional Bioprinting
Tamaki Kumauchi,Fiona Louis,Michiya Matsusaki
- 3Pc101 Fabrication of hydrogels composed of carboxymethyl chitosan and tannic acid for 3D bioprinting
Tasuku Yamada,Yosuke Mizuno,Toshinori Fujie
- 3Pd102 Mechanism of vascular tissue formation using cellulose nanofiber gel as a culture scaffold
Yuna Ikuno,Takamasa Tsunoda,Kazuki Matsumoto,Yoshiki Ito,Yosuke Goi,Dong Hyun Yoon,Tetsushi Sekiguchi,Shuichi Shoji,Kenta Iitani,Yuji Tsuchido,Naoya Takeda
- 3Pc103 Suppression of mechanical stress in suspension culture of mammalian cells by nanofibrillated bacterial cellulose
Eiichiro Kaneko,Haruto Tsujisaki,Masashi Fujiwara,Hidenori Ando,Tatsuhiko Ishida,Hirofumi Tani,Kenji Tajima
- 3Pd104 Design of Enzymatically Degradable Hydrogels for the Construction of Dynamic Extracellular Environments
Riho Tanimoto,Mitsuhiro Ebara,Koichiro Uto
- 3Pc105 Surface modification of immune cells for recognition of cancer-associated antigens.
Yuto Tabe,Yota Okuno,Yasuhiko Iwasaki