

Room P

Poster Presentation

Date		Booth No.	Booth No.							
			001	002	003	004	005	115	116
14 Wed.	1P		9:50~10:00							
		a	10:00~10:20							
			10:20~11:00							
		b	11:00~11:40							
			11:40~11:50							
15 Thu.	2P		12:50~13:00							
		c	13:00~13:20							
			13:20~14:00							
		d	14:00~14:40							
			14:40~14:50							
16 Fri.	3P		14:50~15:00							
		e	15:00~15:20							
			15:20~16:00							
		f	16:00~16:40							
			16:40~16:50							

Presentation Time
 Mounting Time
 Display Time
 Removing Time

Room P

(3-207)

Wed. Sep 14

Presentation Time

<a = 10:20~11:00>

<b = 11:00~11:40>

A. POLYMER CHEMISTRY: SYNTHESIS AND REACTIONS

- 1Pa001 Grafting of Fluorocarbon-Hydrocarbon Alternate Copolymer
Saki Nakamura, Tadashi Kanbara, Tomoko Yajima
- 1Pb002 Synthesis of alternating copolymers consisting of perfluoroalkyl and oligoethyleneglycol units by photoinduced radical polyaddition.
Tadashi KANBARA, Kana SASAHARA, Saki NAKAMURA, Tomoko YAJIMA
- 1Pa003 Radical Polymerization of [3.3](3,9)Carbazolophane Derivatives Having Hexyl Group
Ayano Tsubouchi, Keita Tani, Kazushige Hori, Kouji Kubono, Fumito Goto, Fumito Tani, Hiroyuki Takemura, Yoshinobu Tsujii, Keita Sakakibara
- 1Pb004 Radical Polymerization of [3.5](3,9)Carbazolophane Derivatives Having Hexyl Group
Masaya Nakano, Keita Tani, Kazushige Hori, Kouji Kubono, Kenta Goto, Fumito Tani, Hiroyuki Takemura, Keita Sakakibara, Yoshinobu Tsujii
- 1Pa005 Design of fragrance-immobilized hydrogel and its slow release property
Hisatoyo Morinaga, Hiroshi Morikawa, Takeshi Endo
- 1Pb006 Radical Copolymerization of alpha-(aminomethyl)acrylate Derivatives in the Presence of Lewis Acid
Yasuhiro YAMADA, Ryoma ITO, Shigeki HABAUE
- 1Pa007 Synthesis of the diblock copolymer using amphiphilic polymer chain transfer agent with oligo ethylene oxide.

Masaji Saito,Moriya Kikuchi,Seigou Kawaguchi

- 1Pb008 RAFT copolymerization of styrene with porphyrin and application for photodynamic therapy
Makoto Obata,Shuto Tanaka,Shiho Hirohara
- 1Pa009 Study on inhibitory regulation mechanism in the radical polymerization by naphthoquinone derivatives through physical organic approach.
Kenta Ichihara,Hiroaki Gotoh,Shunichi Himori,Yuujiro Ikejiri,Kazuhisa Sakakibara
- 1Pb010 Precise synthesis of nano-particles and their molecular characterization by self-assembly induced RAFT polymerization
Keita Ohba,Haruka Yamada,Moriya Kikuchi,Seigou Kawaguchi
- 1Pa011 Development of Water-Soluble Controlled Radical Polymerization Initiators Using Phosphorus Ylides Derived from Trialkylphosphine, Carbon Disulfide, and AIBN
Kazuhiro Akiba,Takehira Masuda,Yuma Tanaka,Akihiko Kanazawa
- 1Pb012 Synthesis of Hyperbranched Polymer by Using Inimer with a Mesogen and Their Properties
Kagami Koterawata,Kaoru Adachi,Yasuhisa Tsukahara,Thein Kyu,Coleen Pugh
- 1Pa013 Living Radical/Cationic Interconvertible Copolymerization of Vinyl Acetate and Cationically Polymerizable Monomers
Yuuma FUJIKI,Mineto UCHIYAMA,Kotaro SATOH,Masami KAMIGAITO
- 1Pb014 Cationic Polymerization and Radical Copolymerization of Naturally-Occurring Sabinene
Tomonari NAGAI,Kotaro SATOH,Masami KAMIGAITO
- 1Pa015 Precision Syntheses of Functional Copolymers by Precise Control of Alternating Propagation
Kana Nishimori,Makoto Ouchi,Mitsuo Sawamoto
- 1Pb016 Control of Unzipping Depolymerization for Vinyl Polymers: Molecular Design toward Equilibrium Control over Terminal Reversible Activation
Yuki Sano,Makoto Ouchi,Mitsuo Sawamoto
- 1Pa017 Synthesis and adhesive physicality of acrylic triblock copolymers
Takashi Toyoda,Seiichi Simizu,Akemi Siraishi,Ryousuke Kaneko,Yukinori Taniguti,Marta Kocun,Aleksander Labuda,Irene Revenko,Roger Proksch
- 1Pb018 Controlled Radical Polymerization Behavior of Sodium p-Styrenesulfonate Using Phosphorus Ylides Derived from Trialkylphosphine, Carbon Disulfide, and BPO as an Initiator
Sho Tanaka,Kazuhiro Akiba,Shohei Okano,Akihiko Kanazawa

B. POLYMER PHYSICS: STRUCTURE AND PROPERTIES

- 1Pa021 Self-assembled structure of polyrotaxane consisting of triblock copolymer as an axis molecule
Shuntaro Uenuma,Rina Maeda,Shoko Takahashi,Kazuaki Kato,Koichi Mayumi,Hideaki Yokoyama,Kohzo Ito
- 1Pb022 Effect on Structure of poly acrylate and polymethacrylate by Interface and Solvent
Tomoki Watanabe,kazuki Matsuura,Yasuhiro Matsuda,Shigeru Tasaka
- 1Pa023 Polymorphism and morphology of propylene-ethylene random copolymer crystals
Ken Taguchi,Akinori Fujikawa,Akihiko Toda,Toru Imai,Koji Yamada
- 1Pb024 Preparation and characterization of syndiotactic polystyrene films co-crystallized with conductive polymers
shota sano,toshihiko okabe,takumi sano,hideyuki itagaki
- 1Pa025 Structural change in β -form polypropylene during elongation process
Hideo Kurihara,Shinichi Kitade,Kazuyuki Ichino,Isamu Akiba,Kazuo Sakurai
- 1Pb026 Morphology of rod - coil block copolymer
Mitsuki Asano,Masatoshi Tokita
- 1Pa027 Gas Permeability and Crystallinity of Poly(vinyl alcohol) Film repeated soaking in Water
Masayuki Miyanaga,Takahiko Nakaoki
- 1Pb028 Analysis of Molecular Morphology Depending on Temperature for Ultra High Molecular Weight Polyethylene by Solid-State high resolution ^{13}C NMR
Takanari Ikenishi,Takahiko Nakaoki,Hideaki Ishihara

1Pa029 Investigation of X-Ray/DSC in situ measurement for Poly(ethylene terephthalate) and Poly(butylene terephthalate)
Hajime Nagai,Takahiko Nakaoki

1Pb030 Difference of orientation between surface and inside for injection-molded Poly (butylene terephthalate) plate.
Masanori Haga,Takahiko Nakaoki,Hideaki Ishihara,Katsuhisa Yamashita,Kenichi Hunaki

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B. POLYMER PHYSICS: STRUCTURE AND PROPERTIES

1Pa031 Molecular structure of transesterified poly(ethylene terephthalate)/Poly(butylene terephthalate)
Masaya Yano,Takahiko Nakaoki,Hideaki Ishihara,Katsuya Itou

1Pb032 Study on the Crystallization of Isohexide-derived Polyesters
Yuji Shinozuka,Takaaki Ushio,Hironori Marubayashi,Shuichi Nojima

1Pa033 Preparation of nanocellulose / polymer crystal nanocomposite fibers by using crystallization from dilute solution and its application
Risa Yanai,Haruka Dodo,Fumiaki Iwaguro,Tetsuya Uchida

1Pb034 Effect of crystallization temperature on the crystallization of single-walled carbon nanotube from dilute solution
Natsuki Tonai,Satoru Yoshida,Tetsuya Uchida

1Pa035 The detail Dynamics of Molecules Caged in Crystalline Cavities
Hideo Kobayashi,Sho Akazawa,Fumitoshi Kaneko,Osamu Urakawa,Shusuke Yamanaka,Mitsutaka Okumura,Tadashi Inoue

1Pb036 In-situ Raman spectroscopic analysis of isotactic polypropylene for melting and crystallization process.
Kento Takeda,Yusuke Hiejima,Koh-hei Nitta

1Pa037 Evaluation of the thermal degradation for the surface of Nylon 66 using controlled energy PALS
Hiroyuki Hosomi,Shigeru Yoshimoto,Masaaki Takeda

1Pb038 Effect of Salt Addition on Crystalline Structure of PVDF Thin Film Prepared by Anti-solvent Addition Crystallization
Yohei Okanishi,Takashi Nishiyama,Eriko Sato,Hideo Horibe

1Pa039 A Study on Crystallization of Polyesters Composed of 2,5-Furandicarboxylic Acid and Aliphatic Linear Diols
Dai AOKI,Hironori MARUBAYASHI,Shuichi NOJIMA

1Pb040 The Helix-sense Inversion of Polyaspartate Diblock Copolymers in the Solid State
Yuki Suzuki,Hidemine Furuya

C. FUNCTIONAL POLYMERS AND POLYMER FUNCTIONS

1Pb042 Protection and deprotection of primary hydroxyl groups in a polyrotaxane using trityl or 4,4',4''-tris(benzoyloxy)trityl group
Kanako Yamada,Jun Araki

1Pa043 Preparation of a One-by-one Chain-Tethered type sliding graft copolymer
Chihiro Ohtsubo,Yasuhiro Kohsaka,Jun Araki

1Pb044 Preparation and deprotection of polyrotaxane-amino acid derivatives with phthaloyl protecting groups.
Takahito Noguchi,Jun Araki

1Pa045 Molecular Grid Wiring with Algorithm from Gross Conduction Measurement to Molecular Conduction
Tomokazu Iyoda,Shiho Torashima,Akihisa Yamaguchi,Takehiro Kawauchi

1Pb046 Electrical properties of Conductive Grid Patterns
Shiho Torashima,Kaori Kamata,Akihisa Yamaguchi,Tomokazu Iyoda

- 1Pa047 Fabrication of Gold Nanorod Array by a block copolymer templating process and its Optical Properties
Yuko Yagi, Shiho Torashima, Keiji Nose, Akihisa Yamaguchi, Tomokazu Iyoda
- 1Pb048 Molecular grid wiring of gold nanorod array electrodes by a conjugated polymer
Takehiro Kawauchi, Akihisa Yamaguchi, Keiji Nose, Tomokazu Iyoda
- 1Pa049 Near-Infrared Whispering Gallery Mode Photoluminescence from Conjugated Polymer Blend Microcavities via IntraspHERE FRET
Osamu Oki, Soh Kushida, Youhei Takeda, Satoshi Minakata, Junpei Kuwabara, Takaki Kanbara, Dao Thang, Satoshi Ishii, Tadaaki Nagao, Yohei Yamamoto
- 1Pb050 Synthesis and Property of C₂ Chiral BODIPY Polymer Nanotubes
Tomohiro Yamanaka, Tsukasa Nakahodo, Hisashi Fujihara
- 1Pa051 Mechanical properties of PLLA twisted nanofiber yarns by carbon dioxide laser supersonic drawing
Yuta Shimba, Akihiro Suzuki
- 1Pb052 Controlled Self-assembly of Film State π -Conjugated Oligomers by Wrapping of Main Chain
Mari Okada, Naoya Adachi
- 1Pa053 Creation of Helical Rods Composed of α -Cyclodextrin
Sayaka SONODA, Ayumi TERAGAKI, Toshiyuki KIDA
- 1Pb054 Broadband photoluminescence from pyrolytic DNA nanofibers
Hidenobu NAKAO, Hiroshi SHIIGI, Yoshihiko TAKEDA
- 1Pa055 Development of Novel Functional Materials based on Crown Ether-Appended π -Conjugated Molecular Blocks
Kyosuke ISODA, Makoto ONO
- 1Pb056 Photoinduced Mass Transport of Methacrylate Polymers having Photochromic Naphthacenequinones in the Side Chain
Ryo Itai, Shuhei Kai, Koji Mukai, Shusaku Nagano, Takahiro Seki, Masaya Moriyama
- 1Pa057 Synthesis of Pentacene Derivatives for Construction of Photofunctional supramolecular Assemblies
Keisuke Yoshino, Hayato Sakai, Taku Hasobe
- 1Pb058 Zn porphyrins axially coordinated with dipolar ligands and their dielectric properties
Shinya Uchino, Keita Ishiba, Joseph Ka Ho Hui, Masa-aki Morikawa, Nobuo Kimizuka
- 1Pa061 Colorless Alicyclic Polyimides Prepared from Bis-spironornbornanetetracarboxylic Dianhydride in Various Solvents
Hiroki Ozawa, Tomohiro Mizuta, Eriko Ishiguro, Toshihiko Matsumoto, Shinichi Komatsu
- 1Pb062 Detection of Organic Thiols by Synthesized Benzothiadiazole Derivatives with Cyano Acrylate Termini
Eri Suzuki, Naoya Adachi
- 1Pa063 Influence of self-organization process to the polyimide membrane properties formed by using a different substrate
Naoki Nishikawa, Hiroshi Sekiguchi, Ryoko Nakano, Shigeru Yao
- 1Pb064 Investigation of initial radical formation for oxidative degradation of polypropylene
Taira Tobita, Chammingkwan Patchanee, Toshiaki Taniike, Minoru Terano
- 1Pa065 Preparation of flexible and hard materials by polymer alloy with PVB and PMMA
Yuya Aoki, Hideki Sugimoto, Shogo Nobukawa, Katsuhiko Inomata, Eiji Nakanishi
- 1Pb066 Development of dismantling adhesive containing a thermally decomposable compound
chie yoshizawa
- 1Pa067 Trial of the Rreparation of Regenerated Silk Fiber with High Strength and High Toughness
Hironori Matsuda, Shizuo Yamasaki, Naomi Kataoka, Utako Takagi, Yugo Tasei, Tetsuo Asakura
- 1Pb068 Creation of Porous polyimide membrane by using the self-organization mechanism of polyamic acid
Tsubasa Wakabayashi, Naoki Nishikawa, Ryouko Nakano, Hiroshi Sekiguchi, Shigeru Yao
- 1Pa069 Surface strain analysis of a bending polymer film with determined radii of curvature

Kohei Yamada,Motoyuki Fukuhara,Shigenori Fujikawa,Atsushi Shishido

1Pb070 Surface strain analysis in repeated bending process of the flexible film
Ryo Taguchi,Motoyuki Fukuhara,Shigenori Fujikawa,Atsushi Shishido

(3-2nd Floor Lounge)

C. FUNCTIONAL POLYMERS AND POLYMER FUNCTIONS

- 1Pa083 Syntheses of step- π -conjugated polymers and their application for photoenergy conversion systems. (113) Synthesis and properties of macromolecular wire forming microscopically heterogeneous environment.
Katsuya Takagi,Hiroyuki Aota
- 1Pb084 Syntheses of step- π -conjugated polymers and their application for photoenergy conversion systems(114)Synthesis and physical property of amphiphilic macromolecular wire
Keisuke Yoshida,Kohei Watanabe,Hiroyuki Aota
- 1Pa085 Syntheses of step- π -conjugated polymers and their application for photoenergy conversion systems(115) Synthesis and properties of amphiphilic macromolecular wire having different energy levels
Chihiro Fujiwara,Tsuyoshi Kobayashi,Haoxuan Guo,Hiroyuki Aota
- 1Pb086 Syntheses of step- π -conjugated polymers and their application for photoenergy conversion systems (116) Synthesis and properties of A,B-block type amphiphilic polymers with the aim of multi-step electron transfer.
Yuichi Ishikawa,Tsuyoshi Kobayashi,Hiroyuki Aota
- 1Pb088 Syntheses and properties of step- π -conjugated polymers and their application for photo energy conversion systems (118) Synthesis of amphiphilic macromolecular wire with a donor and accept at terminal.
Hiroyuki Mitani,Daichi Oshima,Hiroyuki Aota
- 1Pa089 Syntheses of step- π -conjugated polymers and their application for photoenergy conversion systems (119) Interaction between a narrow band gap polymer and platinum colloid
Yuki Iwakura,Hiroyuki Aota
- 1Pb090 Syntheses of step- π -conjugated polymers and their application for photoenergy conversion systems (120) Synthesis of high-density charge storage polymer with the aim of fast electron transfer and utilizing to the electrode material
Kota Maruyama,Hiroyuki Aota
- 1Pa091 Syntheses and properties of narrow-bandgap polymers(8) Attempt to post- crosslinking reaction and evaluation of crosslinking polymers
Takehiro Ohashi,Hiroyuki Aota
- 1Pb092 Synthesis of 365 nm-light-sensitive photolabile thiols and their application to photoreactive materials
Erika Iwata,Masahiro Furutani,Koji Arimitsu
- 1Pa093 Photofabrication of rough surfaces for amplification of wettability change by photoisomerization of azobenzene moieties
Kazuki Tange,Masahiro Furutani,Koji Arimitsu
- 1Pb094 Reversible control of surface wettability of polyimides containing azobenzene group by UV light irradiation
Daichi Sakata,Yusuke Tsuda
- 1Pa095 Vapochromic Properties of Emitting Amorphous Molecular Materials Containing Triphenylamine Moieties
Kosuke Ogura,Hideyuki Nakano
- 1Pb096 Synthesis of acrylate monomers with silicon-containing substituents and O₂ RIE resistance of the photo-cured films
Ayaka Sakai,Hiroki Satou,Syunya Itou,Masaru Nakagawa,Nobukatsu Nemoto
- 1Pa097 Photoinduced Changes in Phase-separated Structures of Hybrid Films of Azobenzene-based Photochromic Amorphous Molecular Materials with Ionic Liquids
Tomohisa Iwashita,Hideyuki Nakano
- 1Pb098 Fluorescence switching behavior of silica nanoparticle covered with copolymer of

diarylethene and fluorene
Katsuya Shimizu,Seiya Kobatake

- 1Pa099 Photoresponsive behavior of axially chiral azobenzene polymers
Fathy Hassan,Takuji Hirose,Yoshihiro Ito,Masuki Kawamoto
- 1Pb100 Fluorescent spheres assembled from trigonal azobenzene derivatives
Ikue Abe,Mina Han,Kazunori Matsuura,Mitsuo Hara,Yukikazu Takeoka,Takahiro Seki,Hae-Kap CHEONG,Jin Young KIM
- 1Pa101 Evaluation of up-conversion based on the triplet - triplet annihilation in low molecular mass gel
Shinnosuke Uda,Katura Nishiyama,Hideki Kawai
- 1Pb102 Evaluation of up-conversion based on triplet-triplet annihilation in polymeric micelles
Shinji Harada,Hideki Kawai
- 1Pa103 Trial for Upconversion Emission Using Amorphous Molecular Materials
Kazuki Shishido,Hideyuki Nakano
- 1Pb104 Synthesis and optical properties of amorphous-state emissive o-carborane derivatives
Kenta Nishino,Kazuo Tanaka,Yoshiki Chujo
- 1Pa105 Synthesis and characterization of polyamide containing indolo[3,2-b]carbazole moiety in main chain and side chain.
Rei Oikawa,Ryota Ueno,Masuki Kawamoto,Yu Nagase
- 1Pb106 Fabrication of optical limiter based on molecular reorientation of dye-doped liquid crystal by nonlinear optical effect
Erika Katayama,Jing Wang,Atsushi Shishido

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Presentation Time

<c = 13:20~14:00>

<d = 14:00~14:40>

A. POLYMER CHEMISTRY: SYNTHESIS AND REACTIONS

- 1Pc001 Controlled Copolymerization by Metal Complex [76]. Synthesis of Carbon-Dioxide-Derived Polycarbonates with High Glass Transition Temperature
Rie Arai,Hiroshi Sugimoto
- 1Pd002 Synthesis of poly(arylenevinylene)s via Pd-catalyzed dehydrogenative direct alkenylation
Hitoshi Saito,Junpei Kuwabara,Takaki Kanbara
- 1Pc003 Ring-opening polymerization of trimethylene carbonate by bis(salicylaldiminate)-Al catalysts and structure of complexes.
Naomi Iwata,Nattawut Yuntawattana,Masataka Oishi,Nobuyoshi Nomura
- 1Pd004 Intramolecular transfer of Pd catalyst on carbon-carbon triple bond and nitrogen-nitrogen double bond
Takeru KAMIGAWARA,Hajime SUGITA,Yoshihiro OHTA,Tsutomu YOKOZAWA
- 1Pc005 Olefin polymerization with phosphine-modified Phillips catalyst
Ryuki Baba,Patchanee Chammingkwan,Minoru Terano,Toshiaki Taniike
- 1Pd006 Catalyst-transfer condensation polymerization of thiophene-fluorene biaryl monomer
Yu TOKITA,Kentarou KOSAKA,Yoshihiro OHTA,Tsutomu YOKOZAWA
- 1Pc009 Synthesis of Polyurethane with Diol Containing Oligo Ethylene Glycol
Daisuke Aoki,Hiroharu Ajiro
- 1Pd010 Synthesis of Polyester by Oxa-Michael Addition Polymerization of Acrylic Acid Catalyzed by Super Bronsted Acid
Takuya Murase,Shin-ichi Matsuoka,Masato Suzuki
- 1Pc011 Stepwise synthesis of polyurethanes by using of isophorone diisocyanate having two isocyanate groups of different reactivity
Takuya ABE,Hideaki OIKE
- 1Pd012 Synthesis and characterization of the new poly(ester-urea)s by rapid polyaddition via

salt formation

Yasunori Nishiguchi, Kenta Funaki, Masatoshi Miyamoto

- 1Pc013 Novel Diels-Alder polymerization and its application to polycatenane synthesis
Nobuhiro Kihara, Masayoshi Sakurai
- 1Pd014 Synthesis and properties of new low band gap polymer based on isothianaphthene
Kohei Yamabe, Hiromasa Goto
- 1Pc015 Synthesis of Monomer by Di-Amidation of 6-O-Glycylglucosamine
Kenta Yamatani, Hiroharu Ajiro
- 1Pd016 Cyclopolymerization of bis(acrylamide) monomers prepared from amino acids
Kota Hio
- 1Pc017 Development of AB type element-block monomers by regioselective hydrolysis of monofunctionalized heptaisobutyl T8-caged silsesquioxanes
Satoshi Morimoto, Takayuki Maegawa, Yasuyuki Irie, Hiroaki Imoto, Kensuke Naka
- 1Pd018 Effect of Primary Structure to Material Properties in Poly(3-hexylselenophene)
Naoto OOTSUKI, Kazuhiro NAKABAYASHI, Hideharu MORI

B. POLYMER PHYSICS: STRUCTURE AND PROPERTIES

- 1Pd022 Effect of a Small Amount of Poly(L-Lactic acid) with Different Molecular Weight on the Crystallization Behavior of Poly(3-hydroxybutyrate) Ultrathin films in their Blends
Khasanah, Isao Takahashi, Yukihiro Ozaki
- 1Pc023 Solid-State High-Resolution ¹³C NMR Study of Crystalline Phase of Poly (ethylene-co-methacrylic acid) ionomers
Takayuki Matsukawa, Atsushi Asano, Chikako Nakazawa
- 1Pd024 Co-crystallization of syndiotactic polystyrene with copper chlorides complexes of pyridine derivatives
Toshihiko Okabe, Takumi Sano, Yui Kuboyama, Kana Date, Hideyuki Itagaki
- 1Pc025 Spherulitic Growth in Partially Fluorinated Copolymers and Their Nanohybrids with Functional Fillers
Mamun Muhammad Abdullah Al, Taira Tasaki, Yusuke Kasahara, Atsuhiko Fujimori
- 1Pd026 A Study of the Relaxation Process of the Glass Transition with Temperature Modulated Dielectric Measurement - Dependence on the Frequency of the Electric Field
Shun Aotani, Tomoaki Yoshiuchi, Souichi Tatsumi, Haruhiko Yao, Yasuo Saruyama
- 1Pc027 Comparison of temperature dependences of the complex thermal expansion coefficient and the complex heat capacity around the glass transition temperature
Shoya Okamoto, Souichi Tatsumi, Haruhiko Yao, Yasuo Saruyama
- 1Pd028 Microscopic deformation for polyethylene under tensions using fluorescence probe method.
Toru Jibiki, Yusuke Hiejima, Koh-hei Nitta
- 1Pc029 Elucidation of the Helix-sense Inversion Mechanism of Polyaspartates in the Solid State Using Block Copolymers
Hirotsu INOUE, Yuki SUZUKI, Hidemine FURUYA
- 1Pd030 Effects of Bulky End-Groups on the Crystallization of Homopolymers Confined in Microphase-Separated Structure
Koshun Kawazu, Shintaro Nakagawa, Shuichi Nojima, Takashi Ishizone, Daiki Arai, Kazuo Yamaguchi, Seiichi Nakahama

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B. POLYMER PHYSICS: STRUCTURE AND PROPERTIES

- 1Pc031 Effects of Ionic Low Molecular Mass Compounds on Structure and Glass Transition Temperature of Ionic Multiplets in Ethylene Ionomers
Yuu Kohbara, Hajime Furukawa, Yohei Miwa, Shoichi Kutsumizu
- 1Pd032 Evaluation of the dispersion state of the silica particles in rubber by small angle X-ray

- scattering and Reverse Monte Carlo modeling
Tomotaka Nakatani, Shinji Kohara, Taiki Hoshino, So Fujinami, Masaki Takata
- 1Pc033 Study on change of molecular weight of cyclic PLLA via transesterification and its usability as nucleating agents for linear PLLA
Saori Yoshida, Noritaka Yuki, Hironori Atarasi, Shinichi Yamazaki, Kunio Kimura
- 1Pd034 Effect of Ionization of Block Copolymer on Microphase-Separated Structure
Yuma Kogure, Shogo Kawamura, Yohei Miwa, Katsuhiko Yamamoto, Shoichi Kutsumizu
- 1Pc035 Crystallization Behavior of Nucleated Poly(L-lactic acid)
Rikuya Ichiba, Takahiko Kawai, Shin-ichi Kuroda, Yoshinori Kasai, Takuma Nagahama
- 1Pd036 Crystallization Behavior during Cooling after Melt-Drawing of Films Laminated with Ultra-High Molecular Weight And High-Density Polyethylene Layers
Hideyuki Yamashita, Satomi Kato, Hiroki Uehara, Takeshi Yamanobe, Hiroyasu Masunaga
- 1Pc037 Multiple Crystalline Orientations for Biaxially Melt-Drawn Membranes of Ultra-High Molecular Weight Polyethylenes with Different Molecular Weight Distributions
Masahiko Ueno, Tihoro Narita, Hiroki Uehara, Takeshi Yamanobe, Yasutake Wakabayashi, Kei Inatomi, Shigehiko Abe
- 1Pd038 The effects of annealing and compression on the crystallization for ethylene-vinyl acetate copolymer
Ryotaro Tomita, Ryoko Kuwahara, Hiroki Uehara, Takeshi Yamanobe
- 1Pc039 Effect of drawing temperature on the void formation of β - β phase iPP
Hidenori Otake, Mizuki Kataniwa, Takahiko Kawai, Shin-ichi Kuroda, Tomoyuki Nemoto, Shunsuke Koido
- 1Pd040 Gas transport properties of the oriented liquid crystalline polyesters
Ryota Ishigami, Hiroaki Yoshimizu

C. FUNCTIONAL POLYMERS AND POLYMER FUNCTIONS

- 1Pd042 Synthesis and Application of Polystyrene-type μ -Bead Gels Bearing Polyamine Side Chain
Yuhusuke ICHINOKIDO, Daiki SOUMA, Katuya KAIKAKE, Ren-Hua JIN
- 1Pc043 PLLA nanofiber sheets prepared by carbon dioxide laser supersonic drawing
Maika Yamaji, Risa Mitsui, Akihiro Kamei, Akihiro Suzuki
- 1Pd044 Exploration of photo-triggered inversion of supramolecular chirality
Daisuke INOUE, Mitsuaki YAMAUCHI, Takashi KARATSU, Shiki YAGAI
- 1Pc045 Formation of the Organic/Inorganic Hybrids Based on Self-assembled Fibers of Low Molecular Weight Compounds
Haruka Sukegawa, Tatsuya Nishimura, Masafumi Yoshio, Takashi Kato
- 1Pd046 Photocontrol over self-assembly of supramolecular disk
Norimichi Kanao, Mitsuaki Yamauchi, Takashi Karatsu, Shiki Yagai
- 1Pc047 Helical aggregation of flexible perylene bisimide dyads
Ryunosuke Shimadzu, Takashi Karatsu, Shiki Yagai
- 1Pd048 Photo- and mechano-responsive luminescent liquid crystal materials
Takuji Kobayashi, Shiki Yagai
- 1Pc049 Designing the surface of silver nanoparticles
Hiroto Kakehashi, Hideyuki Nakanishi, Tomohisa Norisuye, Qui Tran-Cong-Miyata
- 1Pd050 Structural Dependency of Redox-active Amphiphilic Block Copolymer
Hiroki Kawana, Daisuke Matsukuma, Hidenori Otsuka
- 1Pc051 Structural Control of Self-Assembled Fibers in an Aligned Liquid-Crystalline Field
Daisuke Yamaguchi, Masafumi Yoshio, Takashi Kato
- 1Pd052 Electrochemical Energy Storage in Metal/Organic Coaxial Nanowire Array Electrodes
Reiko Kishida, Yuto Kawabata, Ikuo Kikuta, Hiroyo Segawa, Hideyuki Nakanishi, Tomohisa Norisuye, Qui Tran-Cong-Miyata
- 1Pc053 Control of Morphology and Characteristic Features of Aromatic Polyamide Particles

with Functional Groups

Yayoi Yoshioka, Hirokazu Hayashi, Yoichi Nakashima

- 1Pd054 Polymer-nanoparticles with a Fluorescent Molecule for Probing Local Temperature
Kieko Senda, Kazuhiko Nagura, Masayasu Taki, Shigehiro Yamaguchi
- 1Pc055 Preparation and evaluation of polymersome by using amphiphilic diblock copolymers linked by photodegradable heterobifunctional reagents containing 2-nitrobenzyl moiety
Takafumi Yamada, Miyuki Shigemune, Shota Yamamoto, Hiroki Ikegami, Jun Nakanishi, Kazuo Yamaguchi
- 1Pd056 Solubilization of oligopeptides by introduction of lipophilic electrolytes
Kanta Fukushima, Soukurou Sunaga, Kenta Kokado, Kazuki Sada
- 1Pc059 Synthesis of ellipsoidal-shaped composite microgels and their assembly at air-water interface
Yuka Sazuka, Takumi Watanabe, Kojirou Iizuka, Daisuke Suzuki
- 1Pd060 Synthesis and characterization of nanocomposite microgels prepared by soap-free seeded emulsion polymerization of styrene
Takumi Watanabe, Chiaki Kobayashi, Chihong Song, Kazuyoshi Murata, Daisuke Suzuki
- 1Pc061 Photoalignment from free surface of non-photoreactive liquid crystalline polymer films by top-coating of cinnamic acid monomer
Ryosuke Fujii, Yu Fujioka, Satoshi Minami, Mizuho Kondo, Nobuhiro Kawatsuki
- 1Pd062 Microscopic 3D orientation control and photoalignment of liquid crystal copolymer films with N-benzylideneaniline and biphenyl with different terminal substituent
Hiromi Ikoma, Kazutoshi Miyake, Mizuho Kondo, Nobuhiro Kawatsuki
- 1Pc063 In-situ fabrication of microscopic photo alignment polymer film by inkjet
Tomoro Uchikawa, Kazutoshi Miyake, Mizuho Kondo, Nobuhiro Kawatsuki
- 1Pd064 Photoalignment of low-molecular LCs doped with photoalignable composite materials.
Yuki Hashimoto, Kotaro Makino, Hiroshi Ono, Tomoyuki Sasaki, Mizuho Kondo, Nobuhiro Kawatsuki
- 1Pc065 In-situ fabrication of side chain type photoluminescence liquid crystalline polymer film and investigate its optical properties
Kotaro Makino, Mizuho Kondo, Ryohei Fukae, Nobuhiro Kawatsuki
- 1Pd066 Micro Patterning of the Self-Oscillating Polymer Brush for Propagation Direction Control of Chemical Waves
Kenta Homma, Tsukuru Masuda, Aya Akimoto Mizutani, Kenichi Nagase, Kazuyoshi Itoga, Teruo Okano, Ryo Yoshida
- 1Pc067 Performance of carbon dioxide absorption by Dry Ionic Liquid containing polymer
Masaya Miyake, Mitsuru Satoh
- 1Pd068 Fabrication of composite gel particles by using a PHEMA particle as a core
Tomoki Kanemori, Fukui Yuuka, Fujimoto Keiji
- 1Pc069 Rational Design of Selective Metal-phosphate Crosslinked Hydrogels As A Self-healing Template.
Takeshi Sato, Takao Aoyagi, Mitsuhiro Ebara
- 1Pd070 Polythiophene semiconductive elastomer
Jian SHEN, kohei MURAKAMI, Takuya MATSUMOTO, Chizuru HONGO, Atsunori MORI, Takashi NISHINO

(3-2nd Floor Lounge)

C. FUNCTIONAL POLYMERS AND POLYMER FUNCTIONS

- 1Pc071 Photoresponsive Behaviors of Liquid Crystalline Poly(L-glutamate) Gel Film Containing a Spiropyran Units.
Hiromasa Imai, Toshihiro Hiejima
- 1Pd072 Photoresponsive Behaviors of the Polypeptide Films and the Gel Films Containing an Azobenzene Unit with Different Alkyl Chain.
Tomohisa Aso, Toshihiro Hiejima

- 1Pc073 Modification of thermo-responsive polymer onto the gate interface of field effect transistor and evaluation of the thermo-responsive behaviors
Tsukuru Masuda, Taira Kajisa, Aya Mizutani Akimoto, Kenichi Nagase, Teruo Okano, Toshiya Sakata, Ryo Yoshida
- 1Pd074 Characterization of the polysaccharide-based gels containing ionic liquids for application of electric devices
Keisuke Sakaguchi, Ryota Kishimoto, Sayaka Fujita, Hiroyuki Kono
- 1Pc075 Microenvironments of UCST-type thermo-responsive polymers labeled with an environment-sensitive fluorophore
Chie Otsuka, Shinji Kobayashi, Masaki Okuyama, Akinobu Hayashi, Hidetoshi Tokuyama, Seiichi Uchiyama
- 1Pd076 Self-Assembly and Fluorescent Behavior of Acid-Responsive N-Heteroacene Derivatives
Kyosuke ISODA
- 1Pc077 Ultrasonic-responsive behavior of ionic liquid polymer
Kohei Itsuki, Shin-ichi Yusa
- 1Pd078 Photofunctions of Chiral Supramolecular Gels Formed by Cyclohexylethylamide Compounds
Nozomi Takuwa, Miyuki Kaneko, Kohei Segawa, Takunori Harada, Masaya Moriyama
- 1Pc079 Preparation of Stimuli-responsive Gel Capsules Using Biomolecular Complex Crosslinks and Their Molecule-responsive Behavior.
Kota Tanaka, Akifumi Kawamura, Takashi Miyata
- 1Pd080 Sol-Gel Transition of Slide-Ring Gel Using Diels-Alder Reaction for Crosslinks
Masatoshi Kidowaki, Tsunaki Sasaki, Ryota Nishizawa, Kohzo Ito, Yuki Hayashi
- 1Pc083 Fabrication of Functional Film of Carbazole
Naoto Eguchi, Hiromasa Goto
- 1Pd084 Fabrication of Microlens by Two-photon Polymerization
Junichi Hirota, Kenji Kinashi, Wataru Sakai, Naoto Tsutsumi
- 1Pc085 Formation of Surface Relief Using Photopolymerization in Anthracene Film
Sachiko Imura, Taishi Sonoda, Megumi Nakayama, Takashi Ubukata
- 1Pd086 Fabrication of high-speed response organic photorefractive polymer
Tsuyoshi Oka, Kenji Kinashi, Wataru Sakai, Naoto Tsutsumi, Kento Masumura
- 1Pc087 Synthesis of Ladder Poly(silsesquioxane)s with Pendant Aromatic Heterocycles and Their Photo-induced Refractive Index Change
Ryo Maeda, Keito Noguchi, Yoshihito Ishida, Shinji Ando, Mitsuru Ueda, Atsushi Kameyama
- 1Pd088 Photoformation of Surface Relief on Diacetylene Derivative Film
Youta Iwamoto, Takashi Ubukata
- 1Pc089 Formation of organic-inorganic hybrid patterns by applying reaction development patterning to polyester containing siloxane unit
Mariko MIYOSHI, Yuichiro TOKORO, Toshiyuki OYAMA
- 1Pd090 Photoisomerization Behavior of an Azobenzene Derivative with Hydrogen-bonding Groups in Polymer Films and Polymer Solutions.
Katsunori Teraoka, Shinjiro Machida, Noriaki Ikeda
- 1Pc091 Image recording in nitro benzylidene aniline type photorefractive polymers.
Tomoyuki Toda, Takeo Sasaki
- 1Pd092 Birefringence control using anisotropic structure and its optical application.
Hikaru Shimada, Shogo Nobukawa, Masayuki Yamaguchi
- 1Pc093 Application of poly(olefin sulfone)s mixed with plasticizer and a photobase generator to photodetachable adhesives.
Shintaro Ono, Takeo Sasaki
- 1Pd094 Birefringence control of azobenzene-containing polymer film by ultraviolet light
Hiroki Kinumura, Shogo Nobukawa, Katsuhiko Inomata
- 1Pc095 Microphase segregated nanostructure of star-shaped amphiphilic liquid crystalline

block copolymer with porphyrin core.
Kazuhiro Ikeda, Mitsuharu Takahashi, Sadayuki Asaoka

- 1Pd096 Energy transfer through circular porphyrin arrays arranged along normally oriented cylindrical phase segregation interface in thin film
Ryohei Okazaki, Akari Kobayashi, Yoshiaki Tanio, Takashi Tokuoka, Sadayuki Asaoka

E. POLYMERS AND ENVIRONMENT

- 1Pc099 Terminal modification of poly(L-lactide)s by isocyanate and its effect on their thermal properties
koichi akiyama, ryo tanaka, yusyou nakayama, hiroyuki shirahama, takeshi shiono
- 1Pd100 Mechanical properties of poly(L-lactic acid)-poly(dimethyl siloxane) multiblock copolymers
Haruka Wada, Mayu Tanaka, Ryohei Fukae
- 1Pc101 Study on the morphology of poly(L-lactide) treated with supercritical carbon dioxide
Chikara Tsutsumi, Misato Shinohara, Susumu Nakayama, Yasuhiro Matsubara, Yuushou Nakayama, Takeshi Shiono
- 1Pd102 Effect of monomeric composition on crystallization behavior and mechanical properties of poly(lactic acid-co-3-hydroxybutyric acid)
Daisuke Ishii, Tadahisa Iwata, Kenji Takisawa, Ken'ichiro Matsumoto, Toshihiko Ooi, Seiichi Taguchi, Takaaki Hikima, Masaki Takata
- 1Pc103 Conformational analysis of biodegradable polyesters, PGA, PLA and P2HB
Hiromi Yamamoto, Somin Choi, Daichi Touge, Yuji Sasanuma
- 1Pd104 Thermal properties of poly(3-Hydroxybutyrate-co-3-Hydroxy-2-Methylbutyrate)
Sho Furutate, Yoriko Watanabe, Koki Maejima, Takeharu Tsuge
- 1Pc105 Biosynthesis and Cross-linking of Poly (3-hydroxyalkanoate) by Saturated and Unsaturated fatty acid.
Takeru Michishita, Takahiko Nakaoki
- 1Pd106 Poly(3-hydroxyalkanoate) Biosynthesised from Mixed Substrate of Glycerin and Amino acid.
Yamauchi Ippei, Takahiko Nakaoki
- 1Pc107 The analysis of unsaturation monomer in medium-chain-length polyhydroxyalkanoate
Pengtao Huang, Takaya Okoshi, Ayaka Hiroe, Takeharu Tsuge
- 1Pd108 Improvement of the thermo-mechanical property of PLLA by adding the electrospun stereocomplex polylactide nanofibers
Naruki Kurokawa, Atsushi Hotta
- 1Pc109 Fabrication of porous poly(3-hydroxyalkanoate) monoliths via thermally induced phase separation
Takashi Tsujimoto, Nao Hosoda, Hiroshi Uyama
- 1Pd110 Screening of polyhydroxyalkanoates producing marine purple non-sulfur photosynthetic bacteria from natural seawater
Mieko Higuchi, Kumiko Morisaki, Keiji Numata
- 1Pc111 Conformational analysis of Polycaprolactone
Azumi Kawai, Yuji Sasanuma
- 1Pd112 Synthesis, characterization and melt-spinning of β -(1,3)-glucan ester derivatives
Hongyi Gan, Taizo Kabe, Daisuke Ishii, Akio Takemura, Takaaki Hikima, Masaki Takata, Tadahisa Iwata
- 1Pc113 Synthesis and characterization of dextran esters
Azusa Togo, Yukiko Rogers, Akio Takemura, Tadahisa Iwata
- 1Pd114 Synthesis of bio-based polymer from bio-based monomer containing bifuryl skeleton
Senri Hayashi, Yuya Tachibana, Ken-ichi Kasuya

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Presentation Time

<e = 15:20~16:00>

<f = 16:00~16:40>

F. POLYMER INDUSTRY AND TECHNOLOGY: PROCESSES AND PRODUCTS

- 1Pe001 High pressure hydrogen permeability of vulcanized acrylonitrile butadiene rubber
Hirohada Fujiwara, Enomoto Kazuyuki, Hiroaki Ono, Shin Nishimura
- 1Pf002 Effect of crosslink density on hydrogen gas permeability of sulfur vulcanized acrylonitrile butadiene rubber
Shinya Yamasaki, Hiroaki Ono, Kazuyuki Enomotohimura, Hirohada Fujiwara, Shin Nishimura
- 1Pe003 Low temperature bending test of nylon 11 in high-pressure hydrogen
Shin Nishimura, Hirohada Fujiwara, Enomoto Kazuyuki, Hiroaki Ono, Sylvie Castagnet, Guillaume Benoit
- 1Pf004 Influence of dissolved hydrogen on the bending modulus of polyamide 11 exposed to high-pressure hydrogen
Hiroaki Ono, Youhei Fujii, Hirohada Fujiwara, Kazuyuki Enomoto, Shin Nishimura
- 1Pe005 Development of Non-adhesive Coating Tof-mak (9)
Hideki Tachi, Kei Demizu, Yasuhiro Michiyama, Yohtaro Inoue, Toshio Sanda, Ryota Kitani, Takeshi Kuri, Toshio Sanda
- 1Pf006 Polymer Design and Characterization of Acrylic Thermoplastic Elastomer
Kouhei Yukishita, Michinori Karikomi, Takao Kimura, Atsushi Ota, Kazuyoshi Arai
- 1Pe007 Preparation of transparent acryl / alumina hybrid materials by using a surface modification method by graft polymerization
Hikaru Aotani, Hideki Sugimoto, Shogo Nobukawa, Katsuhiko Inomata, Eiji Nakanishi
- 1Pf008 Preparation of flexible transparent acryl / alumina hybrid materials exhibiting low thermal expansion coefficient
Chiko Naruse, Hideki Sugimoto, Shogo Nobukawa, Katsuhiko Inomata, Eiji Nakanishi
- 1Pe009 Preparation and physical properties of transparent hybrid materials containing zirconia nano particles
Takashi Sakai, Hideki Sugimoto, Shogo Nobukawa, Katsuhiko Inomata, Eiji Nakanishi
- 1Pf010 Preparation and thermal properties of hard-coating materials with uretdione groups
Fumiya Igarashi, Go Nishino, Hideki Sugimoto, Shogo Nobukawa, Katsuhiko Inomata, Eiji Nakanishi
- 1Pe011 Preparation of fluoroalkyl group-containing transparent material
Kouki Maeda, Hideki Sugimoto, Shogo Nobukawa, Katsuhiko Inomata, Eiji Nakanishi
- 1Pf012 Preparation of Water- and Oil- Repellent Hard Coating
Namhee Ryu, Hideki Sugimoto, Shogo Nobukawa, Katsuhiko Inomata, Eiji Nakanishi
- 1Pe013 Preparation of transparent glass cloth reinforced acryl resin composite materials
Keisuke Toda, Hideki Sugimoto, Syougo Nobukawa, Katsuhiko Inomata, Eiji Nakanishi
- 1Pf014 Introduction of thermosensitive surface by alkyl borane
Syunma Tonouchi, Hideki Sugimoto, Shogo Nobukawa, Katsuhiko Inomata, Eiji Nakanishi
- 1Pe015 Precision Synthesis of Functional Silane Coupling Agent using "Micro Flow Reactors & Heterogeneous Catalyst" and Its Application in Dentistry
Kiyomi Fuchigami, Kazuya Shinno, Toshiyuki Nakatsuka
- 1Pf016 Effect of Silane on Resin Properties near Interface in Glass Fiber- Polymer Composites
Nobuo Ikuta, Akihiro Ohnishi
- 1Pe017 Application of Polymerization Inhibitors Quino Power to Unsaturated Polyester Resin
Yujiro Ikejiri, Akihiko Nakagawa

B. POLYMER PHYSICS: STRUCTURE AND PROPERTIES

- 1Pf018 Ultrasound scattering analysis of silica micro-particle in suspension
Hayato Mori, Tomohisa Norisuye, Hideyuki Nakanishi, Qui Tran-Cong-Miyata
- 1Pe019 Characterization of low-substituted hydroxypropyl cellulose dispersed in water by using a high-pressure method
Kaori Maehashi, Naoya Torikai

- 1Pf020 Viscoelastic Behavior of the Suspensions of Temperature-Responsive Microgel Mixtures with Different Volume Transition Temperatures
Saori Minami,Takumi Watanabe,Daisuke Suzuki,Kenji Urayama
- 1Pe021 Dielectric Properties and Electro-Rheological Behavior of Nano-Suspensions
Katsufumi Tanaka,H. Komatsu,M. Nishimoto,S. Robson,M. Takasaki,H. Kobayashi
- 1Pf022 Dissipative Particle Dynamics Simulations for Self-Assembly of Semi-Flexible Bolaamphiphilic Molecules
Takehide Tsutsui,Masashi Sonoki,Susumu Fujiwara,Tomoko Mizuguchi,Masato Hashimoto
- 1Pe023 Study of PP/EPDM thermoplastic elastomer by nanno-palpation AFM
Rena Dejima,Xiaobin Liang,Kazuko Hujiwara,Satoshi Iwabuki,Sungmin Kang,Nakajima Ken
- 1Pf024 Rheology of Dense Pastes of Binary Blends of Microgels with Different Diameter and Rigidity.
Ayaki Nakaishi,Kenji Urayama,Takumi Watanabe,Daisuke Suzuki
- 1Pe025 Structure and Dynamics of lecithin reverse wormlike micelles
Ryoma Hashimoto,Tadashi Inoue
- 1Pf026 New analysis method for passive microrheology
Kengo Nishi,Maria Kilfoil,Christ Schmidt,Fred MacKintosh
- 1Pe027 The effect of comonomer on the viscous behavior for the aqueous dispersion of Poly(N,N-dimethylacrylamide) micro hydrogels
Takamasa Yoshino,Yusuke Sanada,Yukiteru Katsumoto
- 1Pf028 The evaluation of the usage to the artery embolization treatment of the thermal rheological fluid
Makoto Takeda,Koki Hirakawa,Yuri Kanazawa,Hiroshi Sekiguchi,Ryoko Nakano,Shigeru Yao
- 1Pe029 Evaluation of aging process of cooking on edible oil and W/O emulsion by dielectric spectroscopy
Kohei Shoji,Tetsuya Saito,Rio Kita,Naomi Shinyashiki,Shin Yagihara,Minoru Fukuzaki,Takuya Ouzono,Satoshi Nishimura,Masafumi Hayashi,Hisao Tanaka
- 1Pf030 An unsteady flow in mixing and reaction process between an aqueous polymer solution and a metal ion
Toshimasa Ueki,Satoshi Tagawa,Jun Iijima,Yuuitirou Nagatsu

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B. POLYMER PHYSICS: STRUCTURE AND PROPERTIES

- 1Pe033 Effects of the carboxylation on the order-disorder transition of carboxylated schizophyllan
Kazuto Yoshiba,Satoka Okamoto,Toshiaki Dobashi,Bjorn Christensen
- 1Pf034 Synthesis of amphoteric random copolymers and behavior in water
Rina Nakahata,Shin-ichi Yusa
- 1Pe035 Aggregation behavior of thermo-responsive PEO-PPO alternative multiblock copolymer in aqueous solution
Tasuku Horiuchi,Yusuke Sanada,Yukiteru Katsumoto
- 1Pf036 Hysteresis on the phase separation of the aqueous solution of thermo-responsive polymers V~The systematic change in the hysteresis for stereo-controlled PNiPAm in water~
Kento Hamamura,Yusuke Sanada,Yukiteru Katsumoto
- 1Pe037 Micellization of PEO-PPO multi-block copolymer in aqueous solution
Kazuaki Rikiyama,Naoyuki Koga,Yukiteru Katsumoto
- 1Pf038 Pressure-responsive Phase Transition of a Polymer in an Ionic Liquid
Kazu Hirosawa,Kenta Fujii,Takeshi Ueki,Yuzo Kitazawa,Masayoshi Watanabe,Mitsuhiro Shibayama
- 1Pe039 Study of diffusion anisotropy of water molecules in the wood by PFG-NMR.
Yuki Hori,Tsubasa Kawaguchi,Hironobu Saito,Rio Kita,Naoki Shinyashiki,Shin Yagihara,Minoru Fukuzaki,Seiichi Sudo,Youki Suzuki
- 1Pf040 Elucidation of the conformational behavior of an AIE luminogen-appended polyacrylic

acid on selective Ca²⁺ binding

Ken Morishima, Satoko Matsumura, Fumitaka Ishiwari, Takanori Fukushima, Mitsuhiro Shibayama

- 1Pe041 Hysteresis on the phase separation of the aqueous solution of thermo-responsive polymers VI ~Hydration and dehydration process by fluorescence probe method~
Reika Ikemoto, Kento Hamamura, Yusuke Sanada, Yukiteru Katsumoto
- 1Pf042 Cavitation in Static Melt of Polymers
Masato Hashimoto, Tomoko Mizuguchi, Susumu Fujiwara
- 1Pe043 Hysteresis on the phase separation of the aqueous solution of thermo-responsive polymers VII ~ α , ω -hydroxyl telechelic poly(2-isopropyl-2-oxazoline).
Takaaki Bekki, Kento Hamamura, Yusuke Sanada, Yukiteru Katsumoto
- 1Pf044 Dimer formation of gelatin in the dilute aqueous solution with increasing the hydration amount
Yuji Jinbo, Naoko Ono
- 1Pe045 Evaluation of ion behaviors on electrode surface of dielectric measurement for flowing electrolyte solution
Tetsuya Saito, Rio Kita, Naoki Shinyashiki, Shin Yagihara
- 1Pf046 Structural analysis of self-assemblies of thermoresponsive PEO-PPO block copolymer in aqueous solution
Yusuke Sanada, Naoyuki Koga, Tasuku Horiuchi, Yukiteru Katsumoto
- 1Pe047 Solution properties of poly(*N*-methylethylene imine), a highly hydrophilic polycation
Yuichiro Fukuda, Daisuke Abe, Yuto Tanaka, Junichi Uchida, Nobuaki Suzuki, Tomohiro Miyai, Yuji Sasanuma

C. FUNCTIONAL POLYMERS AND POLYMER FUNCTIONS

- 1Pe051 Thermoresponsive Properties of the Copolymers Based on Trimethylene Carbonate Derivative Bearing Photoresponsive Coumarin Moiety
Nalinthip Chanthaset, Yoshiaki Haramiishi, Kai Kan, Hiroharu Ajiro
- 1Pf052 Hybrid gel system consisting of chemically crosslinked curdlan and methylcellulose
Yuusuke Ishikawa, Yuuichi Kadota, Daisuke Okazaki, Hideyuki Itagaki
- 1Pe053 Development of ionic liquid and ionic gel using biomolecules as a component
Keito Otsuka, Kazuki Murai, Takayuki Nonoyama, Mutsuyoshi Matsumoto
- 1Pf054 Preparation of photoresponsive supramolecular materials generated by sliding of cross-linking points
Shinji Ikejiri, Kazuhisa Iwaso, Yoshinori Takashima, Akira Harada, Hiroyasu Yamaguchi
- 1Pe055 Gelation properties of two-component gelators based on chiral carboxylic acids
Kazuhiro Yabuuchi, Takuya Senda, Yuuki Yamagiwa
- 1Pf056 Supramolecular Gels Formed from the Hydrogen-bonding Compounds having Ethylamide Moieties
Yusuke Sadakata, Fumiya Eto, Yushi Ito, Masaya Moriyama
- 1Pe057 Synthesis and properties of AIE luminogen-appended polyacrylic acid-based Ca²⁺ sensors bearing biocompatible block segments
Satoko Matsumura, Fumitaka Ishiwari, Takao Someya, Takanori Fukushima
- 1Pf058 Synthesis and photoresponsivity of novel polymer gels having azobenzene moieties effectively embedded in polymer networks
Tamami Karube, Toshiyuki Watanabe
- 1Pe059 Water-Solubilization of Branched Compounds by an Aqueous Molecular Tweezer with Anthracene Panels
Keisuke Jono, Akira Suzuki, Michito Yoshizawa, Munetaka Akita, Ken Albrecht, Kimihisa Yamamoto
- 1Pf060 Development of proton-conductive liquid-crystalline polymer films
Ruka Matsubara, Soberats Bartolome, Masafumi Yoshio, Takashi Kato
- 1Pe061 Strain-responsive structural color changing behavior of assembly of polymer

- microparticles with various glass transition temperatures immobilized in elastomer
Xing Shi, Reimi Emoto, Kanae Ishibashi, Shogo Nobukawa, Hideki Sugimoto, Eiji Nakanishi, Katsuhiko Inomata
- 1Pf062 Unique solvent responsive color changing behavior of structural colored elastomers in organic solvents.
Xue Bai, Xing Shi, Shogo Nobukawa, Hideki Sugimoto, Eiji Nakanishi, Katsuhiko Inomata
- 1Pe063 Photoresponsive properties of diamide-based gelators containing coumarin moieties
Nanako Matsuo, Hiroshi Maeda, Kazuhiro Yabuuchi, Masaya Moriyama
- 1Pf064 Synthesis and Functionalization of Liquid Crystalline pi-Conjugated Derivatives
Tatsuya Nishimura, Kenta Ishibashi, Soberats Bartolome, Masafumi Yoshio, Takashi Kato
- 1Pe065 Demonstration of environment-sensitive tetra-gel by using stimuli-sensitive macromer
Tomoko Sakamaki, Akira Matsumoto, Shinzi Kondo, Takamasa Sakai, Yuichi Tei, Tateuro Goda, Yuji Miyahara, Shouhei Sato, Akihiko Kikuchi
- 1Pf066 Synthesis of POSS-b-LC diblock copolymers and alignment of the microphase separated structures
Yumi Otsuka, Mitsuo Hara, Shusaku Nagano, Takahiro Seki
- 1Pe067 Conducting polymer composite for flexible electronics based on of polyaniline and block copolymer prepared by in-situ polymerization
Divya Anand, Maeda Rina, Shun Watanabe, Jun Takeya, Hideaki Yokoyama, Kohzo Ito
- 1Pf068 Preparation of thermoresponsive and redox-responsive polymers composed of three-armed oligo(ethylene glycol)
Hidenari Kayano, Yu Ando, Taka-Aki Asoh, Ryo Ishihara, Akihiko Kikuchi
- 1Pe069 Temperature-responsive behavior of poly(2-alkyl-2-oxazoline) copolymers in aqueous solution
Akito Tsujii, Shinjiro Machida, Takashi Hotta, Noriaki Ikeda
- 1Pf070 Inclusion and release of reagents in gel particles
Hirokazu Hayashi, Koji Kita, Masaki Kimoto, Toshio Tani

(3-2nd Floor Lounge)

C. FUNCTIONAL POLYMERS AND POLYMER FUNCTIONS

- 1Pe071 Phase Transition Behavior of Temperature-responsive Triblock Copolymer Micelles Consisting of Polyoxazoline and Polytetrahydrofuran
Tomohiro Tamaki, Minami Yoshida, Shinjiro Machida, Noriaki Ikeda
- 1Pf072 Preparation of composite gel particles by microfluidic devices
Hiroki Nakai, Toshimitsu Kanaki
- 1Pe073 Optimization of Thermodynamic Stability and Electro-optical Properties of Polymer-stabilized Liquid Crystal Blue Phases Based on Molecular Design of Monomers
Gimpei Machida, Hiroki Higuchi, Yasushi Okumura, Masayuki Kabata, Daisuke Manai, Takeshi Kobayashi, Jun-ichi Matsumoto, Hirotugu Kikuchi
- 1Pf074 Fabrication of elastomeric semicrystalline ethylene-propylene fibers via electrospinning
Fuyuki Endo, Claudio De Rosa, Atsushi Hotta
- 1Pe075 Solubilization of hydrophobic molecules by amphiphilic polymer having cholesteryl group
Tomoki Endo, Junji Watanabe
- 1Pf076 Light-powered Hydrogel Actuators Embedded with Anisotropic Electrostatics and Photothermal-conversion Mechanisms
Zhifang Sun, Yoshihiro Yamauchi, Youn Soo Kim, Yasuo Ebina, Takayoshi Sasaki, Yasuhiro Ishida, Takuzo Aida
- 1Pe077 Effects of the Addition of Metal Ions on Thermo-Responsive Behavior of Liquid-Crystalline Poly(styrenesulfonate)s
Kazunori Suzuki, Nobuaki Takahashi, Takashi Kuroiwa, Akihiko Kanazawa
- 1Pf078 Study on Rheological Properties of Particle Suspensions in Thermo-Responsive Polyelectrolytes Sulfonate with Liquid-Crystalline Feature
Ryota Sotome, Takashi Masuda, Takashi Kuroiwa, Akihiko Kanazawa

- 1Pe079 Development of photocleavable silane coupling agent with various substituent groups at the benzyl position to fabricate cell culture substrates
Hiroki Ikegami, Shota Yamamoto, Jun Nakanishi, Kazuo Yamaguchi
- 1Pf080 Synthesis of Liquid-Crystalline Quaternary Ammonium Tropolonate Monomers and Effects of the Phase Structures on Their Polymerization Behavior
Yusuke Kawano, Takehira Masuda, Ryosuke Hashimoto, Akihiko Kanazawa
- 1Pf084 Preparation of Polyimide Particle Containing Reaction Groups and Modification with PEG Units
Akiko Nakahashi, Katsuya Asao
- 1Pe085 Polymer Materials Showing Chromism with Tension and Strain
Kenji Tsuchihara, Takao Ishida
- 1Pf086 Impedance Spectroscopy Analysis of Electrolyte Effect on Mechanisms of Light-Emitting Electrochemical Cells
tetsuyuki Cho, Hiroyuki Nishide, Yoshinori Nishikitani, Soichi Uchida, Satoru Ikeda, Suzushi Nishimura
- 1Pe087 Gelation of light-emitting electrochemical cells using ruthenium complex
Syuichi Shibata, Atushi Aoki
- 1Pf088 Preparation of the reflection and transmission types conductive polymer film electrochromic devices and their evaluation
Shota Makiura, Atsushi Aoki, Shigeki Watanabe

E. POLYMERS AND ENVIRONMENT

- 1Pf096 Synthesis of bio-based vinyl polymer from 5-hydroxymethylfurfural derivatives by Atomical polymerization method-transfer ra
Yoshikazu Mouri, Masaya Shiraishi, Natsuki Kasuya
- 1Pe097 Synthesis and properties of biodegradable thermoplastic elastomers using polyester derived from furandicarboxylic acid
Tsukiko Yokoyama, Ryo Tanaka, Yuusyou Nakayama, Takeshi Shiono
- 1Pf098 Effect of the tacticity of the compatibilizer on the polypropylene/cellulose composite
Kensuke Miyazaki, Takashi Yoshida
- 1Pe099 Surface modification of cellulose using vapor assisted surface polymerization under atmospheric pressure
Gomi Satoshi, Haruo Nishida
- 1Pf100 Surface modification of nanofibrillated bacterial cellulose and its application
Ryo Kusumoto, Takuya Isono, Toshifumi Satoh, Kenji Tajima
- 1Pe101 Preparation of bio-based nanoparticle by enzymatic polymerization of phenolic acid
Yuka Miyazaki, Hironori Izawa, Shinsuke Ifuku, Minoru Morimoto, Hiroyuki Saimoto
- 1Pf102 Syntheses of bio-base aromatic polyimides from mellophanic dianhydride
Satoru Karikome, Seiji Tateyama, Tatsuo Kaneko
- 1Pe103 Synthesis of copolyesters of ferulic acid and linear aliphatic hydroxy acids with different carbon numbers
Kotaro Ino, Daisuke Ishii, Akio Takemura, Tadahisa Iwata
- 1Pf104 Syntheses of bio-based polyamides using the truxillic acid derivatives.
Naoto Watanabe, Seiji Tateyama, Tatsuo Kaneko
- 1Pf106 Synthesis and Properties of Reversible Network Polymers from Vegetable Oil Derivatives
Yohtaro Inoue, Akiko Nakahashi, Hideki Tachi
- 1Pe107 Evaluation of phosphate adsorbent "Fe³⁺-(vinyln fiber-g-poly-4-vinyl pyridine)" in column and practicality
Shota Nishimura, Moeri Takada, Keiji Yamashita
- 1Pf108 Functionalization of Prussian Blue Adsorbent by Immobilized to Stimuli-responsive gel
Fumika Takashi, Masumi Sakakibara, Keiji Yamashita

- 1Pe109 Polysaccharide derivatives as a flocculant for removal of heavy metal ions
Sayaka Fujita, Noya Kaizawa, Riku Sato, Ryota Kishimoto, Hiroyuki Kono, Nobuo Sakairi
- 1Pf110 Development of Easy Peeling Pressure-Sensitive Adhesive by the use of microcapsules(2)
Hideki Tachi, Yohtaro Inoue
- 1Pe111 Evaluation of polymer degradation by ozone microbubble/catalyst system
Takashi Nishiyama, Kohei Matsuura, Eriko Sato, Hideo Horibe
- 1Pe113 Fundamental researches of physical properties for polyethylene selected wasted containers and packaging plastics.
Saori Hirayama, Nozomi Takenaka, Aya Tominaga, Hiroshi Sekiguchi, Ryoko Nakano, Shigeru Yao
- 1Pf114 Pelletizing Condition Dependence of Injection Molded Waste Container and Package Resin
Nozomi Takenaka, Tetsuyoshi Michiue, Aya Tominaga, Hiroshi Sekiguchi, Ryoko Nakano, Shunsuke Sugao, Shigeru Yao, Eiichi Takatori

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Thu. Sep 15

Presentation Time

<a = 10:20~11:00>

<b = 11:00~11:40>

A. POLYMER CHEMISTRY: SYNTHESIS AND REACTIONS

- 2Pa001 Comparative studies of chemical structures and conductivities for PEDOTs having oligo(ethylene oxide) side chains prepared by different manners
Yuk Kimura, Manabu Yamazaki, Eiichi Akiyama
- 2Pb002 Monodisperse radiation-induced graft chains on ETFE films constructed by RAFT polymerization
Jinhua Chen, Natuki Hayashi, Akinori Seko
- 2Pa003 Synthesis of Fused Boron Ketoiminate Derivatives and Their Highly Efficient Emission Properties
Kazumasa Suenaga, Kazuo Tanaka, Yoshiki Chujo
- 2Pb004 Synthesis of poly(phenylacetylene)s bearing alkyl ether chains at 3,4,5-positions and their chiral induction.
Sayaka Haneda, Masahiro Teraguchi, Toshiki Aoki, Takashi Kaneko
- 2Pa005 Molecular shape sensing by a non-porous crystal composed of a luminescent complex
Susumu Tanaka, Hiroaki Imoto, Kensuke Naka
- 2Pb006 Synthesis of hyperbranched polypyridine and its electrochemical properties
Takashi Koga, Yuta Nabae, Teruaki Hayakawa, Masa-aki Kakimoto
- 2Pa007 Synthesis of conjugated polymers using dithienoarsoles by in-situ generated diiodoarsines
Chieko Yamazawa, Susumu Tanaka, Takuji Kato, Hiroaki Imoto, Kensuke Naka
- 2Pb008 Ring expansion-controlled radical polymerization: Synthesis and SEC-MALS analysis of macrocyclic polymers
Yamada Masatsugu, Yanagisawa Ryo, Hasegawa Syuhei, Kikuchi Moriya, Kawaguchi Seigou, Narumi Atsushi
- 2Pa009 Synthesis of End-functionalized Oligosaccharide-Poly(N,N-diethylacrylamide) Block Copolymers with Porphyrinoids and Their Thermoresponsive Self-Assembly into Nanoaggregates
Shuhei Ogasawara, Daichi Togashi, Shigenobu Yano, Moriya Kikuchi, Seigou Kawaguchi, Atsushi Narumi
- 2Pb010 Utilizing liquid interfaces for the synthesis of graphdiyne
Ryota Matsuoka, Ryota Sakamoto, Hiroshi Nishihara
- 2Pa011 Synthesis and Properties of Element-Blocks based on star-shaped cage silsesquioxane

Takahiro Yamanaka, Hiroaki Imoto, Kensuke Naka

- 2Pb012 Synthesis and Properties of Novel Thermally Resistant Polymers Composed of Integrated POSS Units
Hiroto Kozuka, Kazuo Tanaka, Yoshiki Chujo
- 2Pa013 Design for Solid-State Emissive Materials Based on Boron Diiminate
Misuzu Fukuyama, Shunichiro Ito, Madoka Yamaguchi, Kazuo Tanaka, Yoshiki Chujo
- 2Pb014 Synthesis and Evaluation of Boron Complexes Containing Azomethine Structure with Unique Solid-State Emissive Properties
Shunsuke Ohtani, Masayuki Gon, Kazuo Tanaka, Yoshiki Chujo
- 2Pa015 Synthesis of star-shaped poly(THF)s having functional end groups as a precursor for nonlinear polymers
Ryoichi Yagisawa, Maito Koga, Yoichi Tominaga, Hideaki Oike
- 2Pb016 Preparation and properties of hydrocarbon-perfluorocarbon terminated caged octasilicate-core dendrimer/PMMA composite films
Sota Yuasa, Yasuyuki Irie, Hiroaki Imoto, Kensuke Naka
- 2Pa017 Polymerization-Induced Self-Assembly via RAFT Emulsion Polymerization of 4-Vinylpyridine
Masahiro Sudo, Shinji Sugihara, Satoshi Irie, Yasushi Maeda
- 2Pb018 Synthesis of block copolymers of polyester and polystyrene through end-functionalization of polyesters
Ryouichi OKABAYASHI, Yoshihiro OHTA, Tsutomu YOKOZAWA
- 2Pa019 Synthesis of poly(N-acryloylmorpholine)-b-poly(L-lactide) via RAFT and ring-opening polymerization
Kohei Tazawa, Makoto Obata
- 2Pb020 Synthesis of poly(N-isopropylacrylamide)-b-poly(L-lysine) using bifunctional initiator
Mizuki Fukasawa, Makoto Obata
- 2Pa021 Synthesis of polyrotaxane by Diels-Alder reaction for the end capping and investigation its thermolysis
Masaya Watanabe, Masatoshi Kidowaki, Kohzo Ito
- 2Pb022 Synthesis and surface characterization of polymers containing perfluorooctylazobenzene units
Shota Uno, Ayano Ikeda, yuki Tsunoda, Takuya Noro, Masumi Kurashige, Kenji Sugiyama
- 2Pa023 Synthesis and Properties of Cyclic Phenyleneethynylene Bearing Optically Active Amide Groups in the Side Chains
Tatsuya Ogawa, Yu Miyagi, Fumio Sanda
- 2Pb024 Interaction between Helically Folded Poly(phenylene ethynylene) and Low Molecular Weight Compounds
Mana Tanaka, Yoshinori Otaki, Yu Miyagi, Fumio Sanda
- 2Pa025 Effect of end-cap structure of rotaxane cross-linker on the physical property of rotaxane cross-linked polymer
Jun Sawada, Daisuke Aoki, Toshikazu Takata
- 2Pb026 Development of Foldamers Composed of pi-Conjugated Systems and Flexible Linkers Designed for Elastic Organic Electronics
Naomi Orito, Tsuneaki Sakurai, Shu Seki
- 2Pb028 Controlled cationic copolymerization of a vinyl ether macromonomer having a perfluoropolyether side chain and self-assembly behavior of block copolymers
YOSHIKI TATSUNO, SHOUTA SHIBUTANI, ARIHIRO KANAZAWA, SADAHITO AOSHIMA

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B. POLYMER PHYSICS: STRUCTURE AND PROPERTIES

- 2Pa031 Helical inversion of optically active syndiotactic polymethylene
Yosuke Aizawa, Masatoshi Tokita
- 2Pb032 Development and Conformational Analysis of Helical Aromatic Amide Oligomers with

Cavity

Mirei Warashina,Ko Urushibara,Hyuma Masu,Hirotohi Mori,Isao Azumaya,Aya Tanatani

- 2Pa033 Characterization of chemical composition heterogeneity of Poly(styrene-co-acrylate) RAFT copolymers by HPLC
Tadatomo Kawai
- 2Pb034 The effect of the headgroup volume of calix[4]arene based-lipids on the micellar structure with similar morphologies to polyhedra
Kenta Yoshida,Sakiko Matsumoto,Yusuke Sanada,Shota Fujii,Kazuo Sakurai
- 2Pb036 Simultaneous thermal and spectroscopic imaging for the heat detection of styrene polymerization in microfluidics
Taito Sato,Meguya Ryu,Junko Morikawa
- 2Pa037 Direct analysis of polyethylene waxes using fragmentless ionization mass spectrometry
Yuji Mishima,Takahisa Tsugoshi
- 2Pb038 Characterization of polymer composites using the skimmer-interfaced differential thermal analysis-photo ionization mass spectrometry
Yuji Mishima,Takahisa Tsugoshi
- 2Pa039 NMR characterization of sodium carboxymethyl cellulose: Conformation analysis of the substituent groups.
Hiroyuki Kono,Chinatsu Oka,Ryota Kishimoto,Sayaka Fujita,Oshima Kazuhiro,Hisaho Hashimoto,Shimizu Yuuichi,Tajima Kenji
- 2Pb040 Development of a measurement methodology for π -conjugated molecular electronic devices by a electron spin resonance instrument.
Kunito Fukuda,Naoki Asakawa
- 2Pa041 Thermal and Ultraviolet Degradation of Poly(ethylene-co-vinyl acetate) Studied by Terahertz Spectroscopy
Kazutaka Sekiya,Hiromichi Hoshina,Harumi Sato
- 2Pb042 Spectroscopic investigation of polymer structures by using enhanced Raman scattering.
Yasushi Maeda,Kazuhisa Fujimura,Masaki Kobayashi,Shinji Sugihara
- 2Pa043 Structural analysis and evaluation of the physical properties of commercially available natural rubber
Satoshi Onzo,Seiichi Kawahara
- 2Pb046 Preparation of polymer blends using porous metal complexes
Yotaro Sasaki,Takashi Uemura,Susumu Kitagawa
- 2Pa047 Studies on Structural Deformation Upon Uniaxial Stretching of an SEBS Triblock Copolymer Film Forming Spherical Microdomains
Shogo Tomita,Noriyuki Igarashi,Nobutaka Shimizu,Hiroshi Urakawa,Isao Wataoka,Sono Sasaki,Shinichi Sakurai
- 2Pb048 Diffusion at Interface between Poly(styrene-b-butadiene-b-styrene) and poly(p-phenylene ether) Investigated by Nano-mechanical Mapping
Xiaobin Liang,Ken Nakajima
- 2Pa049 A study on the correlation between micellar structure and lattice in block copolymer / homopolymer blends
Hideaki Takagi,Katsuhiko Yamamoto
- 2Pb050 Study on Creation of Transparent Film of Crystalline Polymer / Organo-modified Magnetic Nanoparticles Nanocomposite
Xiao Zhang,Kyohei Ohmura,Yusuke Kasahara,Atsuhiko Fujimori
- 2Pa051 The Effect of Crystal Structure on the Simultaneous Crystallization Behavior of Crystalline-Crystalline Diblock Copolymers
Satoshi Osawa,Rei Hijikawa,Hironori Marubayashi,Shuichi Nojima
- 2Pb052 Structural color of poly(vinyl chloride) powders
Sadaki Samitsu
- 2Pa053 Impact strength and structural analysis of polylactic acid/polyrotaxane alloy
Guan Li,Kazuaki Kato,Koichi Mayumi,Hideaki Yokoyama,Kohzo Ito
- 2Pb054 Preparation and Properties of Natural Rubber with Nanomatrix of Proteins

Takumi Nagura, Kenichiro Kosugi, Seiichi Kawahara

- 2Pb056 Electric conductivity fluctuation and noise generation in poly(3-decylthiophene-2,5-diyl)
Eri Ishiduka, Yuta Ohno, Naoki Asakawa
- 2Pa057 Thermal expansion and refractive index of transparent polymers
Atushi Hatano, Masahiro Wakahama, Norihisa Tanio
- 2Pb058 Mechanism of spiral cracking on poly(L-lactic acid) spherulites on quenching
Takamasa Sobajima, Futoshi Matsuda, Satoshi Irie, Takashi Sasaki, Koji Nishida
- 2Pa059 Relationship between abrasion resistances and behavior under large deformation of polycarbonate
Taiyo Mori, Tadashi Inoue, Hironobu Morishita, Takaaki Hikosaka
- 2Pb060 Fracture behavior of nano-porous block copolymer
Takashi Ohta, Toshiharu Sanada, Koichi Mayumi, Kazuaki Kato, Kohzo Ito, Hideaki Yokoyama
- 2Pa061 Toughening by Stretch-induced Phase Separations in Polyrotaxane Glass
Kaito Nemoto, Kazuaki Kato, Koichi Mayumi, Hideaki Yokoyama, Ito Kohzo

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C. FUNCTIONAL POLYMERS AND POLYMER FUNCTIONS

- 2Pa071 Analysis of the CO₂ permeation mechanism of composite membranes containing surface-modified silica nanoparticles
Yuuki Kudo, Masafumi Yamato, Manabu Tanaka, Hiroyoshi Kawakami
- 2Pb072 CO₂ permeability evaluation of polymer composite membranes consisted of PIM-type polymers and surface-modified nanoparticles
Eiko Ito, Manabu Tanaka, Masafumi Yamato, Hiroyoshi Kawakami
- 2Pa073 Influence of the silica nanoparticle structures on the CO₂ permeation characteristics of composite membranes containing surface-modified silica nanoparticles
Yuri Kameyama, Manabu Tanaka, Hiroyoshi Kawakami
- 2Pb074 CO₂ permeability evaluation of polyimide composite membranes containing mixed silica nanoparticles with different morphologies
Hiroto Mikami, Yuri Kameyama, Manabu Tanaka, Hiroyoshi Kawakami
- 2Pa075 Dissolved oxygen permeability of diacetylene-containing polymer membrane derived from cinnamic acid derivative
Sumito Nagahama, Tomoya Tamaki, Shun Kato, Daichi Watabe, Kazukiyo Nagai
- 2Pb076 Surface structure control and gas permeation properties of the VUV irradiated and acetalized polyimide membrane
Ryosui Iwasa, Takahiro Suizu, Haruka Yamaji, Tetsuro Yoshioka, Kazukiyo Nagai
- 2Pa077 Water vapor solubility of poly(lactic acid)/montmorillonite nanocomposite membrane
Kisato Nishida, Naoto Yonemaru, Akihiro Yoshida, Yoichi Takahashi, Johta Yamauchi, Kazukiyo Nagai
- 2Pb078 Synthesis and water vapor permeation property of ABA-type triblock copolymer derived from polyimide with TFPMA
Wataru Kawasoko, Yohei Sasago, Naomi Taniguchi, Akihiro Yoshida, Shota Ando, Kazukiyo Nagai
- 2Pa079 Development of diacetylene-containing polymer membrane forming two-dimensional regular network structure
Tomoya Tamaki, Sumito Nagahama, Shun Kato, Daichi Watabe, Kazukiyo Nagai
- 2Pb080 Click Synthesis Ion Recognition Behavior of Poly(1,8-carbazole) Derivatives
Shizuka Tane, Tsuyoshi Michinobu
- 2Pa081 Improvement of CO₂ separation properties of highly permeable PDMS graft copolyimide membrane by coating with nanosheet of PEO graft copolyamide
Kana Ando, Taishi Suzuki, Yosuke Okamura, Yu Nagase
- 2Pb082 Gas transport properties of hyperbranched polyimide / hydroxy polyimide blend membranes

Tomoyuki Suzuki, Nguyen Minh Hoang

- 2Pa083 Preparation of chemically cross-linked chitosan beads and estimation of their Cr(VI) ion adsorption properties
Miho Takagi, Yuji Kimura, Hiromichi Asamoto, Kazunori Yamada, Hiroaki Minamisawa
- 2Pb084 Use of chitosan for removal of branched alkylphenols through quinone oxidation by polyphenol oxidase
Mitsuki Tsushima, Yuji Kimura, Ayumi Kashiwada, Kazunori Yamada
- 2Pa085 Enhancement of Cr(VI) ions adsorption on grafted polyethylene plates prepared by two-step photografting
Yohei Ishiguro, Yuji Kimura, Hiromichi Asamoto, Kazunori Yamada, Hiroaki Minamisawa
- 2Pb086 Photografting of a cationic monomer onto polyethylene mesh and its application of Cr(VI) ion adsorption
Riki Kuramochi, Yuji Kimura, Hiromichi Asamoto, Kazunori Yamada, Hiroaki Minamisawa
- 2Pa087 Preparation and permeation properties of cellulose acetate membranes composite with potassium-cyclodextrin based metal-organic framework
Hirohito YAMASAKI, Hirotaka KAWAGUCHI, Mika MATSUSHIGE, Tomoya MASUDA, Syoichi AIDA, Izumi KUMAKIRI, Kazuhiro TANAKA, Hidetoshi KITA
- 2Pb088 Preparation of triazole-containing micelles with a platinum group metals separation function
Akihiro Hirate, Michinari Kohri, Tatuo Taniguchi, Keiki Kishikawa, Hirokazu Narita, Ryuhei Motokawa
- 2Pa089 Catalytic properties of novel water-soluble supramolecular device utilizing Cucurbit[10] cavity
Taiga Takabe, Hideaki Taniguchi, Riku Kubota, Hiroyoshi Kawakami
- 2Pb090 pH-responsive selective adsorption of noble metal ions by using silica particles having PGlu-*b*-PLys copolymer brushes
Kouhei Yamada, Shohei Ida, Shokyoku Kanaoka, Yoshitsugu Hirokawa, Satoshi Tanimoto
- 2Pa091 Functionalization of Pt Cluster Catalysts by the Nanocavity of a Dendrimer
Yuto Kato, Tetsuya Kambe, Takane Imaoka, Kimihisa Yamamoto
- 2Pb092 Ion transportation through graphene oxide–carbon nitride thin films for desalination.
Takuya Go, Yuya Nagai, Daichi Tada, Feng Qi, Shinobu Uemura
- 2Pa093 Synthesis and Applications of Catalysts Supported on Precision Polymer Nanostructures by Living Coordination Polymerization of Allene Derivatives.
Akira Yamauchi, Yoshiyuki Oguchi, Takeshi Wakiya, Tadashi Iwamoto, Hiroki Nishiyama, Shinsuke Inagi, Ikuyoshi Tomita
- 2Pb094 Adsorbent of mercury ions by thymine-polymer conjugates
Kai Anakubo, Hisao Saneyosi, Akira Ono
- 2Pa095 Metal ion binding ability evaluation of Amidino urea resin by a fluorescent X-ray
Takuma Saito, Satomi Tanaka, Makoto Miyasaka
- 2Pb096 Development of Immobilized Chiral Stationary Phases Capable of Switching Resolution Abilities Based on Helix-Random Coil Transition
Seiya Awata, Syo Shimizu, Tomoya Kudo, Tomoyuki Ikai, Katsuhiko Maeda, Shigeyoshi Kanoh

D. BIOPOLYMERS AND BIORELATED POLYMERS

- 2Pb102 Rapidly pH-Responsive Peptide Hydrogels with Self-assembling Network Frame
Yuta Oatari, Nobuyuki Higashi, Tomoyuki Koga
- 2Pa103 Fabrication of smart surfaces by using amino acid-derived vinyl polymers with various LCSTs
Ayaha Hirata, Nobuyuki Higashi, Tomoyuki Koga
- 2Pb104 Theoretical study on structural features of artificial helices composed of non-standard amino acid residues
Takashi WATANABE, Yoshihito INAI
- 2Pa105 Computational study on three-dimensional structures and aggregation properties of

peptide aggregates
Takashi WATANABE, Yoshihito INAI

- 2Pb106 A Study on factors to influence aggregation properties of oligopeptide bearing non-standard amino acid
Keisuke Watanabe, Yoshihito INAI
- 2Pa107 Identification of integrin cross-talks using peptide chitosan matrix
Kentaro Hozumi, Sayaka Enomoto, Fumihiko Katagiri, Yamato Kikkawa, Motoyoshi Nomziu
- 2Pb108 Development of Functional Organic/Inorganic Hybrids Inspired by Helical Structures of Crustacean Exoskeletons.
Ryohei Oishi, Shunichi Matsumura, Tatsuya Nishimura, Takashi Kato
- 2Pa109 Hydroxyl group rich proteins in marine sessile barnacle
Kei Kamino, Atsuko Sano, Chizuru Hongou, Takashiro Akitsu, Takashi Nishino
- 2Pb110 The combination of Nanosuit and EDS methods revealed the elements of biopolymer in alive sample
Haruko Matsumoto
- 2Pa111 Synthesis and Characterization of Apoptotic Cell Membrane Mimetic Phospholipid Polymers for Inflammation of Encephalic Immune Cells.
Yasuhiro Nakagawa, Mitsuhiro Ebara
- 2Pb112 Detection of influenza virus using microparticles immobilized oligosaccharide library obtained saccharide primer method
risa Kono, Ayaka Ogami, Teruhiko Matsubara, Toshinori Sato
- 2Pa113 Antibacterial activities of amphiphilic cationic polymers and efficacy of combination with novobiocin
Shinya Ohno, Tomohiko Hattori, Hatsuo Yamamura, Atsushi Miyagawa
- 2Pb114 Design and function of thermoresponsive amphiphilic glycopolymers.
Naoki Sumi, Yuta Koda, Tomoki Nishimura, Shin-ichi Sawada, Sada-atsu Mukai, Yoshihiro Sasaki, Kazunari Akiyoshi

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Presentation Time

<c = 13:20~14:00>

<d = 14:00~14:40>

A. POLYMER CHEMISTRY: SYNTHESIS AND REACTIONS

- 2Pc001 Synthesis of dendrimers having dianhydroglucitol units with ethylene glycol as a spacer and their lithium ion conductivities
Rie Suzuki, Kouhei Nishimura, Yuzo Ishigaki, Keigo Aoi
- 2Pd002 Synthesis of polyrotaxane capped by photocyclization of cinnamic acid derivatives at the ends of PEG.
Tomohiro Oshiba, Masatoshi Kidowaki, Haruhisa Akiyama, Yoko Matsuzawa, Koza Ito
- 2Pc003 Synthesis of amphiphilic block copolymers consisting of hydrophilic and hydrophobic hyperbranched polyamides and its self-assembly in water
Yoshihiro OHTA, Yuji ABE, Eisuke BABA, Tsutomu YOKOZAWA
- 2Pd004 Catalyst-transfer Kumada-Tamao coupling polymerization of AB₂ monomer consisting of thienylene and phenylene with Ni catalyst
Yoshihiro OHTA, Keisuke NAKAZATO, Toshiki HIROTA, Tsutomu YOKOZAWA
- 2Pc005 Synthesis of Stereoregular Cyclic Poly(methyl Methacrylate) by Combining Anionic Polymerization and Click Reaction
Naoya Usuki, Kotaro Sato, Masami Kamigaito
- 2Pd006 Synthesis of thermoresponsive and water-soluble graft polymethacrylates by living anionic polymerization.
Fan Zhang, Satoshi Uchida, Takashi Ishizone
- 2Pc007 Topology-directed Thermal Stability of Cyclic Block Copolymer Vesicles Containing Guest Molecules
Toshiaki Yatsunami, Eisuke Baba, Takuya Yamamoto, Yasuyuki Tezuka

- 2Pd008 A Unimolecular ESA-CF Polymer Cyclization by Zwitterionic Telechelic Precursors
Koji Nakamura, Takuya Yamamoto, Yasuyuki Tezuka
- 2Pc009 Phase-segregated nanostructure in thin film of amphiphilic diblock copolymers having perylene-3,4,9,10-tetracarboxylic diimide in side chain
Kunpei Arimoto, Saaki Tuzimura, Sadayuki Asaoka
- 2Pd010 Synthesis of pH-Responsive Polymer Nanostructures by Living Coordination Block Copolymerization of Functional Allene Derivatives.
Miho Yamamoto, Yoshiyuki Oguchi, Takeshi Wakiya, Tadashi Iwamoto, Hiroki Nishiyama, Shinsuke Inagi, Ikuyoshi Tomita
- 2Pc011 Creation of Organic/Inorganic Nanohybrid Materials Using Polymer Nanostructures Obtained by Living Coordination Block Copolymerization of Allene Derivatives as Templates.
Miho Yamamoto, Yoshiyuki Oguchi, Takeshi Wakiya, Tadashi Iwamoto, Hiroki Nishiyama, Shinsuke Inagi, Ikuyoshi Tomita
- 2Pd012 Development of Near-Infrared Luminescent Dyes with Heterocycles-Substituted Aza-BODIPYs
Honami Yamane, Shunsuke Ohtani, Kazuo Tanaka, Yoshiki Chujo
- 2Pc013 Alternating Copolymerization of Racemic Alkyl Propiolate Monomer Catalyzed with an Rhodium Complex Catalyst
Yoshiaki Yoshida, Yasuteru Mawatari, Takahiro Sasaki, Toshifumi Hiraoki, Manfred Wagner, Klaus Müllen, Masayoshi Tabata
- 2Pd014 Structural conversion of substituted aromatic polyacetylene having bulky substituent
Takahiro Sasaki, Yasuteru Mawatari, Masayoshi Tabata
- 2Pc015 Synthesis of π -conjugated polymer with quinone imine unit at the side chain
Hiroki Saito, Noriko Ishihara, Atsushi Kimoto
- 2Pd016 Direct chemical modification of quinacridone-based π -conjugated polymer by polymer reaction
Syunya Okayama, Junji Watanabe, Atsushi Kimoto
- 2Pc017 Synthesis of Novel Aggregation-induced Emissive Materials by Cyclodimerization of 1,1-Diaryllallenes
Hiroshi Eguchi, Hiroki Nishiyama, Shinsuke Inagi, Ikuyoshi Tomita
- 2Pd018 Control of Polyacetylene Helix Induced by the Pendant Rotaxane with Molecular Chirality
Masahiro Konakazawa, Kazuko Nakazono, Toshikazu Takata
- 2Pc019 Synthesis of Helical Poly(diphenylacetylene) Derivatives Bearing Optically Active Amino Acid Residues and Their Application to Chiral Stationary Phases for HPLC
Azusa MIZUKAMI, Daisuke HIROSE, Tomoyuki IKAI, Shigeyoshi KANO, Katsuhiko MAEDA
- 2Pd020 Synthesis and Characterization of Amphiphilic block copolymer having AIE properties
Shin-ichi Yamamoto, Kento Sugino, Yuji Kitamoto
- 2Pc021 Synthesis and self-assembly of zwitterionic block copolymers containing glutamic acid
Toshiki KOSEKI, Kazuhiro NAKABAYASHI, Hideharu MORI
- 2Pd022 The stabilization of the poly(1,3-phenyleneethynylene) helical structure by intramolecular crosslinking with dynamic covalent imine structure
Satoshi Wakatabe, Masahiro Teraguchi, Toshiki Aoki, Takashi Kaneko
- 2Pc023 Modification of Helical Poly(diphenylacetylene) Derivatives through Ion Pair Formation and Evaluation of Their Chiroptical Properties.
Yuki KURIHARA, Daisuke HIROSE, Tomoyuki IKAI, Shigeyoshi KANO, Katsuhiko MAEDA
- 2Pd024 Three-arm star polylactones featuring tripodal triptycene junctions : Effect of the junction-point structure of branched polymers on the assembly structure and rheological properties
Yukihiro Yamashita, Fumitaka Ishiwari, Tadahi Kimura, Atsuki Sugimoto, Masatoshi Tokita, Takanori Fukushima
- 2Pc025 Synthesis of cavitand possessing polymer side chains
Mei Takatsuka, Takeharu Haino
- 2Pd026 Chiroptical Properties and Molecular Recognition Ability of the Helical Poly(diphenylacetylene) Derivatives Bearing Aza-Crown Ether Pendant

- Takuhiro Koketsu, Daisuke Hirose, Katsuhiko Maeda, Tomoyuki Ikai, Shigeyoshi Kanoh
- 2Pc027 Synthesis of a star-type dendrimer using ω -activated polyoxazoline and its thermosensitivity
Yousuke Komatsu, Keigo Aoi
- 2Pd028 Preparation of Polymer Particles Having Specific Microphase-separated Structure Based on Living Coordination Dispersion Block Copolymerization of Allene Derivatives
Shiho Tanaka, Yoshiyuki Oguchi, Takeshi Wakiya, Tadashi Iwamoto, Hiroki Nishiyama, Shinsuke Inagi, Ikuyoshi Tomita
- 2Pc029 Preparation and Chemical Properties of Donor-acceptor Type π -Conjugated Copolymers Containing Azabenzotriazole and Azaquinoxaline Unit
Hiroki Fukumoto, Ryouta Tsuchimochi, Kubota Toshio

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B. POLYMER PHYSICS: STRUCTURE AND PROPERTIES

- 2Pc031 AFM nanomechanics on thermosetting resin under stress
Makiko Ito, Ken Nakajima
- 2Pd032 Investigation of Disordered Cross-Linking Structures of Cured Epoxy Resins by AFM Mechanical Mapping
Shinichiro Sakurai, Kyoko Adachi, Genki Takeuchi, Yuichi Taniguchi, Keiichi Hayashi, Tetsuya Kobayashi, Shin-etsu Fujimoto
- 2Pc033 Effect of thermal annealing on the diameter of PCL-b-PLys biodegradable polymer micelle
Daiki Yamashita, Shohei Ida, Shokyoku Kanaoka, Yoshitsugu Hirokawa, Satoshi Tanimoto
- 2Pd034 Formation of a barnacle-like porous film using a silanol-modified poly vinyl alcohol and colloid particles
Shohei Urano, Takashi Fukuda, Akira Emoto
- 2Pc035 temperature dependence of pi-A isotherm of peptide-grafted colloidal silica particle monolayer
Yumi Nakano, Shohei Ida, Shokyoku Kanaoka, Yoshitsugu Hirokawa, Satoshi Tanimoto
- 2Pd036 In-situ AFM observation of isolated single chains solubilized in a spreading polymer blend melt
Yasuhiro Watanabe, Hayato Ichinohe, Jiro Kumaki
- 2Pc037 Synthesis and characterization of interfacial properties of thermoresponsive polymer by RAFT polymerization of N-vinylpyrrolidone derivative
Yosuke Tsuru, Michinari Kohri, Tatsuo Taniguchi, Keiki Kishikawa
- 2Pd038 Spectroscopic study of adsorption layer formed by a triblock polymer additive in lubricant oil
Takako Imamura, Shun Nagai, Shin-ichi Yusa, Masashi Mizukami, Kazue Kurihara
- 2Pc039 Preparation of pH-responsive polyion complex vesicles
Yuki Ohara, Keita Nakai, Kazuhiko Ishihara, Shin-ichi Yusa
- 2Pd040 Preparation of liquid crystal nanocapsules by phase inversion temperature emulsification using amphiphilic block polymers and coaservation.
Mayuka Taira, Michinari Kohri, Tatsuo Taniguchi, Keiki Kishikawa, Fumitaka Kondo
- 2Pc041 Inclusion of mixed cyclodextrins with polyethylene glycol brush
Hokuto Suzuki, Kohzo Ito, Shoko Takahashi, Norifumi Yamada, Hideaki Yokoyama
- 2Pd042 Preparation of Poly(ionic liquid) hollow particles having magnetic property
Chihiro Hayashi, Ryuma Nakamura, Toyoko Suzuki, Hideto Minami
- 2Pc043 Morphology Control of Spongy Cellulose Particles
Kaori Imagawa, Kyosuke Kono, Toyoko Suzuki, Hideto Minami
- 2Pd044 Preparation of Hollow Particles Having Stimuli-responsive Channel
Shuichiro Mizuhara, Takuto Ouchi, Toyoko Suzuki, Hideto Minami
- 2Pc045 Fabrication and quantitative analysis of porous block copolymer film loaded with

- metal nanoparticles
Mizuki Shiojima, Kohzo Ito, Hideaki Yokoyama
- 2Pd046 Formation Mechanism of Self-Assembled Conjugated Polymer Microspheres
 Soh Kushida, Junpei Kuwabara, Takaki Kanbara, Yohei Yamamoto
- 2Pc047 Cation- π Interaction Promoted Aggregation from Two Cages of Double Calixarene and POSS
Hitoshi ARAI, Katsuya KAIKAKE, Ren-Hua JIN
- 2Pd048 Loss tangent mapping at the interface between SBR matrix and silica particles by nanorheological atomic force microscope
Eijun Ueda, Misako Asada, Takuji Kishimoto, Xiaobin Liang, Makiko Ito, Sungmin Kang, Ken Nakajima
- 2Pc049 Mechanical properties of ultrathin polystyrene films
Hiroki Hasegawa, Kohzo Ito, Hideaki Yokoyama
- 2Pd050 The molecular-weight dependence of dewetting suppression effect for binary polystyrene blend thin film
Yosei Sasaki, Naoya Torikai
- 2Pc051 Specific self-assembly of dendritic viologen-arranged molecules with ω -mercaptodecyl group on gold substrates
Takehiro Kawauchi, Yuki Oguchi, Keiji Nagai, Tomokazu Iyoda
- 2Pd052 Fluorine-containing linear triblock copolymer self-assembly in thin film
Junye Zhang, Hideaki Yokoyama, Kohzo Ito, Kenji Sugiyama
- 2Pc053 Effects of polymer surface dynamics on the surface diffusion of gold atoms
Taichiro Sasai, Shohei Suzuki, Satoshi Irie, Takashi Sasaki
- 2Pd054 Interfacial Properties of Polyvinyl Caprolactame-Polyvinyl Acetate-Polyethylene Glycol Graft Copolymer (Soluplus®) in Aqueous Solutions
Hiroyoshi Kato, Toshio Sakai

C. FUNCTIONAL POLYMERS AND POLYMER FUNCTIONS

- 2Pd056 Preparation of POSS network polymers containing different lengths of cross-linkers and their mechanical properties.
Yasuhiro Nishiaki, Keijyu Tonosaki, Naoki Yokouchi, Takahiro Kakuta, Kazuo Tanaka, Yoshiki Chujo
- 2Pc057 Relationships between hygroscopicity and mechanical properties of POSS network polymers composed of amide bonds
Naoki Yokouchi, Yasuhiro Nishiaki, Keiju Tonosaki, Takahiro Kakuta, Kazuo Tanaka, Yoshiki Chujo
- 2Pd058 Formation of Carbon Nanotube/Hydroxyapatite Nanohybrids Using a Dendrimer in Simulated Body Fluid.
Tomoaki Tanaka, Shunichi Nishimura, Tomoyuki Tajima, Hideaki Miyake, Ill Yong Kim, Chikara Ohtsuki, Yutaka Takaguchi
- 2Pc059 Apatite Coating on Dendrimer-Modified Buckypaper Using an Alternate Soaking Process
Shunichi Nishimura, tomoaki Tanaka, Tomoyuki Tajima, Hideaki Miyake, yutaka Takaguchi
- 2Pd060 Production of cellulose nanocrystal powder and its surface-functionalization by polymerization with particles (PwP)
Toshihiko Arita, Jun Araki
- 2Pc061 Mechanistic Study on Time-Dependent Emission Enhancement of the Pyrene-Carborane Dyad and Its Application for Trace Amount of Water Detection
Hideki Yamamoto, Kenta Nishino, Kazuo Tanaka, Yoshiki Chujo
- 2Pd062 Effect of medium viscosity on delamination of two-dimensional fillers by wet-type jet milling process
Yusuke Imai, Yuji Hotta
- 2Pc063 Preparation of High Performance Polyimide Nanocomposite Using Electrospinning
Masato Hongo, Keiko Mizoguchi, Chizuru Hongo, Takashi Nishino

- 2Pd064 Preparation of hybrid gel particles by urease-catalyzed calcium carbonate precipitation.
Tatsuya Ochiai, Yuuka Fukui, Keiji Fujimoto
- 2Pc065 Preparation of Soluble Silsesquioxane Containing Two Carboxyl Groups in One Repeating Unit
Jiahao Liu, Yoshiro Kaneko
- 2Pd066 Preparation and application of high thermal conductive rigid polymer nanomaterials by using crystallization from a dilute solution
Haruka Dodo, Tetsuya Uchida
- 2Pc067 Preparation of Amphiphilic Silsesquioxanes and Their Aggregation Behaviors
Hajime Yamanoue, Yoshiro Kaneko
- 2Pd068 Preparation of thermoplastic thermoplastic materials based on ZrO₂ having radical initiation function.
shunsuke Hino, Tomohiro Yamashita, Kazushi Enomoto, Moriya Kikuchi, Seigou Kawaguchi
- 2Pc069 preparation of conductive films based on organic-inorganic hybrid dendrimer using charge transfer complex
Lina Li, Yasuyuki Yirie, Hiroaki Yimoto, Kensuke Naka
- 2Pd070 Structures and Properties of High Oriented Ultra High Molecular Weight Polyethylene / Nanodiamond composites
Shota Okamoto, Takuya Matsumoto, Chizuru Hongo, Takashi Nishino

(3-2nd Floor Lounge)

C. FUNCTIONAL POLYMERS AND POLYMER FUNCTIONS

- 2Pc071 Development of Polymer Actuators using Elastic Electrodes containing Carbon Nanotubes and Piezoelectric Polymers
Saki Takahashi, Hiroya Imamura, Minoru Taya, Mutsumi Kimura
- 2Pd072 Thermoelectric Property of Porous PEDOT:PSS
Mitsuko Motoyama, Shinji Kanehashi, Shimomura Takeshi
- 2Pc073 Ferroelectric organic field-effect transistor mimicking neural synaptic signal transmission
Ayumi Matsuoka, Yoshiharu Suzuki, Naoki Asakawa
- 2Pd074 Ambipolar Carrier Transport Properties and Stabilization of Liquid-Crystalline Phases of Phthalocyanine Derivatives Bearing Oligosiloxane Moieties by Nanosegregation
Ryutaro Yamaoka, Masahiro Funahashi
- 2Pc075 Solid-State Polymerization and Synthesis of Diacetylene Derivatives with TTF
Hiroto Hasegawa, Yoko Tatewaki
- 2Pd076 Study of new CT complexes for the photonic functional device
Kenta Hojo, Jun Matsui, Akito Masuhara, Tsukasa Yoshida, Ken-ichi Nakayama, Hayato Anetai, Tomoyuki Akutagawa, Niyazi Serdar Sariciftci
- 2Pc077 Synthesis of Fused o-quinones Bearing Electron-deficient rings and Their Properties as Organic Cathode-active Materials
Kohei Sano, Yuya Kambe, Takuma Kawai, Kenichi Oyaizu, Hiroyuki Nishide
- 2Pd078 Synthesis and Characterization of Poly(carbon sulfide)s with π Conjugated Structures by Electrochemical Polymerization of Carbon Disulfide
Tomoyuki Yamaguchi, Takehira Masuda, Akihiko Kanazawa
- 2Pc079 Synthesis of Copper Sulfides Using Metallomesogens Consisting of Long-Alkyl-Substituted Thiourea and Copper(II) Compound as a Reaction Precursor and Their Applications to Optoelectronic Functional Materials
Masahiro Tanaka, Takahira Masuda, Syota Kurokochi, Akihiko Kanazawa
- 2Pd080 The development of thin film strain gauge sensor for analysis of skin deformation
Yuma Tetsu, Kento Yamagishi, Akira Kato, Yuya Matsumoto, Mariko Tsukune, Yo Kobayashi, Masakatsu Fujie, Shinji Takeoka, Toshinori Fujie
- 2Pc081 Synthesis of Vinyl Polymers Having a Tropolone Ring in the Side Chains and Their Application to Conductive Organic Materials

Kosuke Tonoike,Takehira Masuda,Ryosuke Hashimoto,Akihiko Kanazawa

- 2Pd082 Synthesis of Polythiene/Metal Sulfide Composites via Chemical Reaction of Organic Metal Complexes with Phosphorus Ylide Ligands Derived from Trialkylphosphine and Carbon Disulfide
Takehira Masuda,Akihiko Kanazawa

D. BIOPOLYMERS AND BIORELATED POLYMERS

- 2Pc083 Preparation of thermo- and pH-responsive hydrogels with redox-responsive degradability
Yu Ando,Taka-aki Asoh,Ryo Ishihara,Akihiko Kikuchi
- 2Pd084 Development of "living" hydrogels composed of active cells as chemical materials and quest of their characteristic functions
Ayaka Takemoto,Koji Nagahama
- 2Pc085 Thermo-responsive, biodegradable, protein-loaded injectable gels for local protein delivery and sustained release
Ayaka Takemoto,Koji Nagahama
- 2Pd086 Human pluripotent stem cells cultured on vitronectin-grafted hydrogels under xeno-free conditions
Li Hua Chen,Akon Higuchi,Hsing-Fen Li
- 2Pc087 Proliferation of human pluripotent stem cells on nanosegment-immobilized hydrogels under xeno-free culture conditions
Meng Pei Li,Akon Higuchi,Hsing-Fen Li
- 2Pd088 Cardiomyocyte differentiation of human pluripotent stem cells cultivated on polyvinylalcohol hydrogels grafted with several oligopeptides
Cheng-Hui Liu,Akon Higuchi
- 2Pc089 Different gelation behavior of Poly(N-isopropylacrylamide) with different tacticities studied by NMR in molecular level
Shunsuke Kametani,Sokei Sekine,Takahiro Ohkubo,Tomohiro Hirano,Koich Ute,Tetsuo Asakura
- 2Pd090 Development of photo-cross-linked collagen gels with tunable mechanical property.
Takahiro Fujisawa,Satoru Kidoaki
- 2Pc091 Characteristic and functional evaluation of bundled gel fibers prepared by dynamic microfluidic gelation system
Sayaka Tachizawa,Young-Jin Kim,Haruko Takahashi,Akihiko Kikuchi,Yukiko Matsunaga
- 2Pd092 Preparation of Stimuli-Responsive Gel Capsules via Miniemulsion Periphery RAFT Polymerization
Hiroshi Nakaura,Akifumi Kawamura,Takashi Miyata
- 2Pc093 Modulation of Electrostatic state of Injectable-type Hydrogel and the Effect on Cartilage Regeneration
Taro Mashimo,shohei Ishikawa,Daisuke Matsukuma,Hidenori Otsuka
- 2Pd094 A biodegradable temperature-responsive injectable polymer formulations exhibiting irreversible gelation for biomedical applications
Keisuke KAWAHARA,Shintaro MITSUMUNE,Kenta INAMOTO,Hiroki TAKAI,Yasuyuki YOSHIDA,Kazuyuki TAKATA,Akinori KUZUYA,Yuichi OHYA
- 2Pc095 Construction of a 3D co-culture system using molecular recognition-based adhesion of physical gels that exhibit sol-gel transition
Kotomi Takahashi,Ryota Tamate,Aya Akimoto,Takeshi Ueki,Ryo Yoshida
- 2Pd096 In Vivo Self-replaceable Injectable Gels as Cell Delivery Carriers and Scaffolding Materials for Tissue Engineering
Koji Nagahama,Naho Oyama
- 2Pc097 Control of stoichiometry in polyion complexes with cationic block-copolymer and siRNA
Kotaro Hayashi,Shigeto Fukushima,Sumiyo Watanabe,Hiroyasu Takemoto,Kensuke Osada,Nobuhiro Nishiyama,Kanjiro Miyata,Kazunori Kataoka

- 2Pd098 Development of Porphyrin/Polyaminoacid-based Worm-like Micelles for Drug and Gene Delivery
Yuka Onuma,Horacio Cabral,Kazunori Kataoka
- 2Pc099 Cell Nuclear-Drug Delivery by Self-Assembled Nanostructures that Spontaneously Penetrate Nuclear Pore
Saeko Maekawa,Kenta Nakanishi,Koji Nagahama
- 2Pd100 Design of drug carrier having cationic groups (II) - Influences of hydrophobic content on DNA release rate -
Kento Takahashi,Masahiro Fujita,Yuko Takeoka,Masahiro Rikukawa
- 2Pc101 In vivo Diffusion Ability of Further-Migrating pDNA/PEG Mono-Ion Complexes without PEG Dilemma.
SAKURA TANEICHI,SHOICHIRO ASAYAMA,YOICHI NEGISHI,HIROYOSHI KAWAKAMI
- 2Pd102 Enhancement of cell proliferation by Zn²⁺/pDNA co-delivery system
Taiga Nagakura,Shoichiro Asayama,Mizuki Sakata,Hiroyosi Kawakami
- 2Pc103 Control of DNA methylation by epigenetics control carrier in cancer cell
Kohe Arima,Satoshi Hamada,Kazuhiko Nakabayashi,Shoichiro Asayama,Hiroyoshi Kawakami
- 2Pd104 Influence of polyether segment mobility on blood compatibility of polyether-based block copolymer
Chihiro Okuda,Akira Mochizuki
- 2Pc105 Effect of mobility of methoxyethyl ester group on blood compatibility
Takuya Kinoshita,Chie Yahata,Akira Mochizuki
- 2Pd106 The influence of methoxy end group of poly(methyl methacrylate) on blood compatibility
Dai Ono,Takafumi Watanabe,Hideo Tsukamoto,Akira Mochizuki
- 2Pc107 Preparation and characterization of umbrellaplex from siRNA and multi-arm PEGylated poly(L-lysine)
Keisuke Omura,Eiji Yuba,Atushi Harada,Kenji Kono
- 2Pd108 Suppression of proliferation and metastasis in breast cancer by inducing histone demethylation with epigenetics control carrier
Kosuke Chikuma,Mai Kusatu,Kazuhiko Nakabayashi,Shoichiro Asayama,Hiroyoshi Kawakami
- 2Pc109 Epigenetics control by biodegradable nanoparticles coated with alkyl amine
Ryosuke Shinohara,Shoichiro Asayama,Hiroyoshi Kawakami
- 2Pd110 Fabrication of 3D shape-controlled tissues by printing thermo-responsive polymer gel and its potential application for regenerative medicine
Yoshinari Tsukamoto,Humiaki Shima,Mitsuru Akashi
- 2Pc111 Mitochondrion therapy by epigenetics control carrier with antioxidative activity
Emika Narazaki,Shoichiro Asayama,Hiroyoshi Kawakami
- 2Pd112 Analysis of correlation between control of platelets adhesion to PMMA hollow-fiber membranes and their inner physical property
Hiroshi Takahashi,Yuichi Muraji
- 2Pc113 Immunity control by crosslinked-nanogel consist of two types back bone CpG-ODN
Noriko miyamoto,Kazuo Sakurai,Shinichi Mochizuki
- 2Pd114 Zeolite-EVOH Composite Nanofiber Mesh for Development of Wearable Uremic Toxins Removal Devices
Ryo Takai,Rio Kurimoto,Yohei Kotsuchibashi,Koki Namekawa,Mitsuhiro Ebara

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Presentation Time

<e = 15:20~16:00>

<f = 16:00~16:40>

A. POLYMER CHEMISTRY: SYNTHESIS AND REACTIONS

- 2Pe001 Synthesis of anisotropic unsubstituted polythiophene particles templated by porous metal complexes
Takashi Kitao, Michael MacLean, Takashi Uemura, Susumu Kitagawa
- 2Pf002 Structure control of supramolecular polymers through aurophilic interaction by using organoarsenic bidentate ligands
Shintaro Nishiyama, Hiroaki Imoto, Takashi Yumura, Kensuke Naka
- 2Pe003 Synthesis of Asymmetric Bis(Cyanostilbene)s
Katsuki Sakaino, Toshio Koizumi, Shotaro Hayashi
- 2Pf004 Synthesis of an Optically Active Foldamer Containing Dynamic Acylhydrazone Bonds in the Main Chain and Its Aggregation Behavior
Satoshi KAWABATA, Naoki OUSAKA, Eiji YASHIMA
- 2Pe005 Switching of Fluorescence to Phosphorescence of Molecular like Sub-nanometer sized gold clusters by Aggregation
Mizuho Sugiuchi, Yukatsu Shichibu, Katsuaki Konishi
- 2Pf006 Incorporation of functional molecules into Microporous carbazole dendrimers crystals
Sae Nakajima, Soh Kushida, Ken Albrecht, Kimihisa Yamamoto, Eiji Nishibori, Yohei Yamamoto
- 2Pe007 Optical properties of chiral supramolecular polymer constructed by self-assembly of dithienogermole derivative possessing phenylisoxazoles
Kyohei HIRANO, Yohei ADACHI, Masashi NAKAMURA, Toshiaki IKEDA, Joji OHSHITA, Takeharu HAINO
- 2Pf008 Synthesis and luminescence properties of PEG-modified Au(I)-thiolate coordination polymer
Takeya Ono, Riku Matsumine, Yukatsu Shichibu, Katsuaki Konishi
- 2Pe009 Synthesis and gelation properties of amide compounds containing an imidazolyl unit with their cores
Masahiro Mano, Shinji Hiramatsu, ryo Takeuchi, Kazuhiro Yabuuchi
- 2Pf010 Structure regulation of supramolecular tetrakisporphyrin polymers via metal-ligand coordination
Kei Maruyama, Kouhei Nadamoto, Toshiaki Ikeda, Takeharu Haino
- 2Pf014 Synthesis of EDOT-based π -conjugated polymers via direct arylation using novel solid-supported palladium catalyst and their properties
Shotaro Hayashi, Toshio Koizumi
- 2Pe015 Synthesis of poly(ethylene glycol) containing cyclic guanamine moiety
Yui Hoshino, Tomohiro Kotaki, Yuji Shibasaki, Yoshiyuki Oishi
- 2Pf016 Polycondensation of amino functional telechelic poly(ethylene glycol) with cyclic guanamine dichloride
Yui Hoshino, Tomohiro Kotaki, Yuji Shibasaki, Yoshiyuki Oishi
- 2Pe017 Synthesis of a disk-like three-armed N-alkylbenzamide via stepwise reaction and the copolymerization with polyethers
Hiromasa Sato, Yuji Shibasaki, Yoshiyuki Oishi
- 2Pf018 Functionalization of Whole Aromatic Polyimide Particles with Aliphatic Amine
Yusuke Mizuno, Shinji Watanabe, Takeshi Namikoshi, Miki Murata, Yoshihito Kohari
- 2Pe019 Oxidative Coupling Copolymerization between 2,6-Dimethylphenol and Alkoxyphenols
Yuki TAKAMUSHI, Shigeki HABAUE
- 2Pf020 Synthesis and Properties of Half-biomass Polyimides from Isosorbide
Fumito Ebe, Saegusa Yasuo
- 2Pe021 Synthesis and properties of poly(silarylenesiloxane) derivatives with oligo-thiophene moiety.
Hiroki Ajito, Ibuki Nishizawa, Itsuki Tsuchiya, Nobukatsu Nemoto
- 2Pf022 Synthesis of poly(tetramethylsilarylenesiloxane) copolymer having sulfobetaine substituents and cross-linkable moiety on the aromatic moiety
Naoki Okawara, Hiroaki Utamaru, Tsukasa Ichikawa, Nobukatsu Nemoto

- 2Pe023 Synthesis of Alkyl-Substituted Poly(phenylene sulfide)s by Oxidative Polymerization and Their Thermal Properties
Tomoya Yamazaki, Minato Aoki, Kenichi Oyaizu, Hiroyuki Nishide
- 2Pf024 Synthesis of Thiophene Derivatives Containing Tetra-substituted Vinylene Units by Three-Component Coupling Reaction and Their Electropolymerization Leading to π -Conjugated Polymer Thin Films
Sho Wakana, Hiroki Nishiyama, Shinsuke Inagi, Ikuyoshi Tomita
- 2Pe025 Pd-tethering macrocycle-catalyzed chemoselective Suzuki-Miyaura coupling-type polycondensation
Shunya Mizuno, Masahiro Ogawa, Daisuke Aoki, Hiromitsu Sogawa, Toshikazu Takata
- 2Pf026 Ru-Catalyzed Polycondensation of Phenylpyridine Derivatives and Aromatic Dihalides Through C-H Activation Process
Akira Yamashita, Hiroki Nishiyama, Shinsuke Inagi, Ikuyoshi Tomita
- 2Pe027 Ru-Catalyzed Polycondensation of Phenylloxazole Derivatives and Aromatic Dihalides Through C-H Activation Process
Akira Yamashita, Hiroki Nishiyama, Shinsuke Inagi, Ikuyoshi Tomita
- 2Pf028 Ru-Catalyzed Polycondensation of N-(8-quinolyl)-benzamide Derivatives and Aromatic Dihalides Through C-H Activation Process
Akira Yamashita, Hiroki Nishiyama, Shinsuke Inagi, Ikuyoshi Tomita

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B. POLYMER PHYSICS: STRUCTURE AND PROPERTIES

- 2Pf032 Depth-resolved analysis of orientation behavior of microphase-separated structure in block copolymer thin film by grazing-incidence small-angle X-ray scattering.
Mayu Aikawa, Katsuhiko Yamamoto
- 2Pe033 Network Structures Composed of TTF Derivatives with Hydrogen Bonds
Shunsuke Kawamura, Yoko Tatewaki
- 2Pf034 Effect of molecular weight on crystallization behavior of Polycaprolactone in spin-coating film-forming process
Jinkyu Park, Shun Miyamoto, Mami Goda, Md. Amran Hossain, Junki Yamamoto, Shinichi Sakurai, Hiroyasu Masunaga, Takaaki Hikima, Masaki Takata, Sono Sasaki
- 2Pe035 Helix Orientation and Surface Potential Related to the Reversible Helix-sense Inversion Behavior Observed for Vertically Aligned Thin Film of Surface-grafted Polyaspartates
Takuto Matsuzono, Hidemine Furuya
- 2Pf036 Higher-order structure of physisorbed poly(9,9-dialkylfluorene) on ceramics: Alkyl side chain dependence
Kazuki Yamazaki, Michiya Fujiki
- 2Pe037 Analysis of peculiar small-angle scattering profiles from low-contrast and weak-segregated block copolymers
Yoshiki Satake, Katsuhiko Yamamoto
- 2Pf038 In situ GISAXS measurements of wire coating and spin coating process in block copolymer thin films
Masanori Okamoto, Hiroki Ogawa, Mikihiro Takenaka, Tsukasa Miyazaki, Koji Nishida, Toshiji Kanaya
- 2Pe039 Preparation of structural color films based on polymer particles with different blackness
Shigeaki Yamazaki, Ayaka Kawamura, Michinari Kohri, Tatsuo Taniguchi, Keiki Kishikawa
- 2Pf040 Aggregation Structure of Elastomer at Inorganic Solid Interfaces
Koichiro Hori, Norifumi Yamada, Tomomi Masui, Yoshihisa Fujii, Hideki Seto
- 2Pe041 Assembly of DNA-functionalized gold nanoparticles
Masahiro Fujita, Mizuo Maeda
- 2Pf042 Rectification mechanism of AC voltage driven electro-osmotic flow pump using a porous polymer membrane
Yoshihito Matsuzaki, Yasushi Okumura, Hiroki Higuchi, Hirotosugu Kikuchi

- 2Pe043 Phase separation and its orientation behavior of polystyrene-b-partially quaternized poly(2-vinylpyridine) thin films investigated by grazing incidence small angle X-ray scattering
Takafumi Okamoto,Katsuhiko Yamamoto
- 2Pe045 Shapes Control of Wetting and Dewetting by Surfaces Mimicking Biointerface
Koji MUTO,Shuto ITO,Daisuke ISHII
- 2Pf046 Friction and wear behavior of PA6/MXD6 blend films
shunichi Fukuda,hiroki Uehara,takeshi Yamanobe
- 2Pe047 Control of Molecular Dissociation of Ionic Amphiphiles by Electrostatic Repulsion in Nonpolar Solvents
Taihei Yamada,Kenta Kokado,Kazuki Sada
- 2Pf048 Modification of capillary inner surfaces with thick and concentrated polymer brushes for microfluidic flow control
Tomoya Fujimori,Shu-Yao Hsu,Kohji Ohno,Yoshinobu Thuji
- 2Pe049 Particle design of polysaccharide-gelatin microspheres for encapsulation and controlled release of biopolymers
Takashi Kuroiwa,Takahiro Fujii,Maho Katayama,Junpei Suzuki,Akihiko Kanazawa
- 2Pf050 Stability of lipid vesicles that encapsulate a hydrophilic compound with high efficiency during freeze-drying and rehydration processes
Akihiko Suzuki,Takashi Kuroiwa,Sousaku Ichikawa,Akihiko Kanazawa
- 2Pf052 Structure and size of inclusion complexes formed by modified cyclodextrin
Haruna Shimomasu,Naohito Urakami,Takashi Yamamoto
- 2Pe053 Spatial Distribution of a Homopolymer Additive in an Ordered Block Copolymer Matrix As Observed by Small-Angle X-ray and Neutron Scattering
Hiroaki Ando,Katsuhiko Yamamoto

C. FUNCTIONAL POLYMERS AND POLYMER FUNCTIONS

- 2Pe055 Correlation between Conductivity and Morphology of Filler Dispersed Polymer Blend Composites Showing Insulating Transition by Heating
Noriaki Yasumoto,Takashi Nishiyama,Eriko Sato,Hideo Horibe
- 2Pf056 Fabrication of Nano-Line Pattern composed of Peptide / Inorganic Nano-Hybrid on the Substrate for Ion Etching Mask
Kanta Fujiwara,Airi Yajima,Takatashi Kinoshita,Masahiro Higuchi
- 2Pe057 Development of Emissive Hybrid Materials Composed of Polyhedral Oligomeric Silsesquioxane
Hayato Narikiyo,Hiroki Matsuyama,Takahiro Kakuta,Masayuki Gon,Kazuo Tanaka,Yoshiki Chujo
- 2Pf058 Synthesis and optical active properties of novel organic-inorganic hybrid polymer having photochromic function
Fuki Okamoto,Yuka Takahashi,Mikio Yamahiro,Kohji Ohno
- 2Pe059 The molecular weight of hydrophobic PLGA blocks affects the thermoresponsive sol-gel transition of an aqueous PLGA-PEG-PLGA/laponite solution
Keishi Tanimoto,Tomoki Maeda,Midori Kitagawa,Kenji Hirashima,Masashi Yamamoto,Atsushi Hotta
- 2Pf060 Control of thermal cyclization of polyacrylonitrile in coordination nanospaces toward functional carbon materials
Ryoto Hongu,Takashi Kitao,Takashi Uemura,Susumu Kitagawa
- 2Pe061 Application of random copolymers prepared from sulfur and alkenyl compounds to positive active materials for Li-S batteries
Kanae Itaoka,Kohei Nagata,Nobuko Yoshimoto,hiromori tsutsumi,Kazuhiro Yamabuki
- 2Pf062 Adhesion between polymers and other substances
hinako suematsu,ryuta someya,kenichi yamazaki,fumio sawa,takashi harakawa
- 2Pe063 Development of Organic/Inorganic Hybrids Inspired by Biominerals and Their Mechanical Properties

Fumiya Katase, Tatsuya Nishimura, Takashi Kato

- 2Pf064 Synthesis of Polyimide Particles Bearing Proton Dissociative Groups and Hydroxyapatite Deposition on the Particles
Yasuo Saegusa, Hiroki Yamashita
- 2Pe065 Regulated Optical and Electrical Properties of Photo-Responsive Organic-Inorganic Hybrid Films with Homogeneously Dispersed Metal Nanoparticles
Tsuyoshi Tomotoshi, Nobuhiro Akioka, Akifumi Kawamura, Takashi Miyata
- 2Pf066 Luminescent Eu(III) coordination polymers with joint and terminating phosphine oxides
Ayako Nakajima, Yuichi Kitagawa, Takayuki Nakanishi, Koji Fushimi, Yasuchika Hasegawa
- 2Pe067 Chemical modification of inorganic particles with polymers having a nitroxide terminus
Ryo Yukioka, Masahiro Furutani, Koji Arimitsu, Hiroshi Yoshitani, Shoji Nozato, Akira Nakasuga
- 2Pf068 Influence of Matrix Polymer on Electrical Conductivity of Graphene/Polyvinyl Alcohol Composites
Junya Fukuta, Ce Tu, Kenji Nagata, Yuuki Adachi
- 2Pe069 Preparation and Characterization of Novel Silk Materials for Bone Repair
Yukihiro Ikeda, Kenji Nagata, Kisa Hayashi
- 2Pf070 Preparation of Functional Organic-Inorganic Thin Layers by Sol-gel Reaction of Silane Coupling Reagents Containing Versatile Heterole Units and Their Applications to Electronic device
Tsuyoki YAMASHITA, Hiroki NISHIYAMA, Shinsuke INAGI, Kimihiro MATSUKAWA, Seiji WATASE, Ikuyoshi TOMITA

(3-2nd Floor Lounge)

S5. A New World of Polymer Particles

- 2Pe071 Fabrication of disk-shaped particles composed of biodegradable polymers and unique controlled release property of drugs
Atsushi Nakagawa, Yosuke Okamura
- 2Pf072 Dispersion of Alpha-phase Manganese Dioxide Nanoparticles Stabilized with Polymers Containing Catechol Groups in Organic Solvents and the Application of Supercapacitors
Yuma Matsukubo, Nobuhiro Shimamura, Yutaro Hirai, Hiroya Abe, Hiroshi Yabu, Akito Masuhara

S15. Biomaterials for handling, controlling and treatment of cells

- 2Pe073 Control of cell adhesion and detachment on thermoresponsive microfibers and application of them to cell separations
Kenichi Nagase, Yoichi Sakurada, Masayuki Yamato, Naoya Takeda, Teruo Okano
- 2Pf074 Biocleavable methylated β -cyclodextrin-threaded polyrotaxanes inducing autophagy and non-apoptotic cell death in apoptosis-resistant cells
Kei Nishida, Atsushi Tamura, Nobuhiko Yui
- 2Pe075 Development of selective capture and release of target cells
Tsuyoshi Kimura, Naoko Nakamura, Nao Sasaki, Shimon Sakaguchi, Shunsaku Kimura, Akio Kishida
- 2Pf076 Cell infiltration to decellularized periodontal ligament matrix and periodontal tissue reconstruction
Naoko Nakamura, Tsuyoshi Kimura, Ai Ito, Yoshihide Hashimoto, Toshiya Fujisato, Takashi Tsuji, Akio Kishida
- 2Pe077 Injectable and Biodegradable IPN Hydrogel for Efficient Promotion of Three-dimensionally Cultured Chondrocyte Functions
Shohei Ishikawa, Kazutoshi Iijima, Daisuke Matsukuma, Michihiro Iijima, Hidenori Otsuka
- 2Pf078 Discriminating the influence of cell adhesion and spreading area on stem cell differentiation using micropatterned surfaces
Xinlong Wang, Naoki Kawazoe, Guoping Chen

D. BIOPOLYMERS AND BIORELATED POLYMERS

- 2Pf080 Interaction analysis of quorum sensing receptor SpnR and spn promoter in *Serratia marcescens* using quartz crystal microbalance
Yuriko Takayama, Eri Nasuno, Ken-ichi Iimura, Norihiro Kato
- 2Pe081 Development of alginate gel beads encapsulating microalgae for biofuel production
Toru Yoshitomi, Masakazu Toyoshima, Naoki Sato, Keitaro Yoshimoto
- 2Pf084 Preparation and characterization of polyion complex micelles of pH-responsive PEG-b-poly(ethylacrylic acid)
Yusuke Onuma, Roy Ishihara, S. Kwon Glen, Akihito Kikuchi
- 2Pe085 Pluripotency and differentiation ability of human adipose-derived stem cells cultured on different biomaterials
Chao-Wen Heish, Akon Higuchi
- 2Pf086 Analysis for intracellular trafficking of gene/polysaccharide complexes on solid-phase reverse transfection method
Yu Aiki, Takahiro Arai, Toshinori Sato
- 2Pe087 Effect of gelatin coated culture surface on hepatocyte morphology
Haruka Honda, Daiki Goto
- 2Pf088 Concentration of 3D-pancreatic cancer tissues by preparation of nanofilms and their application for evaluation of cancer-stromal interaction
Misaki Komeda, Yuto Amano, Mitsuru Akashi, Michiya Matsusaki
- 2Pe089 Effects of the extracellular matrix scaffold on cell differentiation.
Toshihiko Sakurai, Ayumu Masuyama, Naoki Kise
- 2Pf090 Effective cell culture on the biodegradable polymeric microfiber scaffolds having nanoporous structures
Keita Tanaka, Shunsuke Komachi, Masao Maruyama, Naoya Takeda
- 2Pe091 Preparation and functional analysis of intercellular environment-responsive peptide nanofibers.
Tadato Shibuya, Tomonori Waku, Sigeru Kunugi, Naoki Tanaka
- 2Pf092 Nanofiber meshes for killing cancer cells with synergistic effect of slow drug release and heat
Eri Niiyama, Koichiro Uto, Chun Man Lee, Mitsuhiro Ebara
- 2Pe093 Enhanced vascularization into cardiomyocyte sheets using VEGF nanoparticle deposited fibers in vivo
Yuhei Nagumo, Kenichi Nagase, Hye Jin Chung, Hee Jung Kim, Heiwon Kyung, Miri Kim, Hidekazu Sekine, Tatsuya Shimizu, Hideko Kanazawa, Teruo Okano, Seung Jin Lee, Masayuki Yamato
- 2Pf094 Addition effect of biodegradable block copolymers forming anisotropic assemblies
Kazuki Fukushima, Masahi Oji, Shunta Hakozaki, Haruka Tsuchiya, Masaru Tanaka
- 2Pe095 Thermoresponsive micro-structured nanoimprint substrates for cell separation
Lisa Shukuwa, Kenichi Nagase, Takahiro Onuma, Masayuki Yamato, Naoya Takeda, Teruo Okano
- 2Pf096 Preparation and evaluation of sugar-responsive core-corona type nanoparticles with sugar recognition moiety at the terminal of corona layer.
Kenta Yonezu, Takuya Matsumoto, Taka-Aki Asoh, Ryo Ishihara, Akihiko Kikuchi
- 2Pe097 Preparation of thermoresponsive diagnostic nanoparticles having controlled amount of sugar recognition moieties in corona layer.
Takuya Matsumoto, Taka-Aki Asoh, Ryo Ishihara, Akihiko Kikuchi
- 2Pf098 Rational design of thermoresponsive ureido polymers by modification with hydrophobic groups
Taira Sasaki, Naohiko Shimada, Atsushi Maruyama
- 2Pf100 Improved tumor accumulation of polymeric micelle with finely tuned core structure
Junhyun Kim, Hiroyasu Takemoto, Takahiro Nomoto, Makoto Matsui, Keishiro

Tomoda,Nobuhiro Nishiyama

- 2Pe101 Development of pH-sensitive polymeric micelles for intracellular delivery of bioactive molecules loaded through imine bond
ANQI TAO,HORACIO CABRAL,SABINA QUADER,KAZUNORI KATAOKA
- 2Pf102 Functionalization of The Surface of Inactivated Sendai Virus (HVJ-E) by Benzoxaborole-based Polymers
Shuichiro Yoneoka,Yasuhiro Nakagawa,Mitsuhiro Ebara,Takehiko Tsukahara
- 2Pe103 Photofunctionalization of phospholipid polymer thin films bearing amino acid residues
Masako Tanaka,Yasuhiko Iwasaki
- 2Pf104 Label-free detection of C-reactive protein by PMPC-protected magnetic nanoparticles
Sana Iwasaki,Yasuhiko Iwasaki
- 2Pe105 Structures and dynamics of hydrated B.mori silks bearing various structural forms by solid state ¹³C NMR spectroscopy
Toshifumi Hiraoki,Yugo Tasei,Ikue Suzuki,Tetsuo Asakura
- 2Pf106 Preparation and evaluation of polymer blends using enzyme hydrolysis silk fibroin
Shoki Kodama,Aki Yonezawa,Hirokazu Tajiri,Yasumoto Nakazawa,Yoichi Tominaga
- 2Pe107 Surface modification by using nanosheets composed of biocompatible polymers
Ryo Matsunaga,Atsushi Iwano,Haruki Oka,Yosuke Okamura,Yu Nagase
- 2Pf108 Synthesis and evaluation of beta-CD-modified anionic polymer for inhibition and degradation of amyloid beta aggregation.
Yuma YOKOKAWA,Shoichiro ASAYAMA,Hiroyoshi KAWAKAMI
- 2Pe109 Improvement of Small Diameter Silk Vascular Graft by Silk Fibroin Porous Coating and Evaluation with Animal by Implantation
Takashi Tanaka,Ryou Tanaka,ikue suzuki,Akiko Satou,Youko Ogawa,Yoshihide Takagi,Tetsuro Asakura
- 2Pf110 Preparation of water-soluble complex composed of biocompatible and thermo-responsive diblock copolymer and fullerene
Junki Yano,Shin-ichi Yusa,Kazuhiko Ishihara
- 2Pe111 Evaluation of cytokine production in dendritic cells induced by sonication to TiO₂ nanoparticles-incorporated PIC micelles
Kazuki Furukawa,Satoshi Yamamoto,Eiji Yuba,Atsushi Harada,Kenji Kono
- 2Pf112 Multi-layered polyion complexes with silica layer covered by controlling densities of cRGD-conjugated PEG chains for siRNA delivery
Mitsuru Naito,Hiroyasu Takemoto,HyunJin Kim,Mao Hori,Shigehito Osawa,Nobuhiro Nishiyama,Kanjiro Miyata,Kazunori Kataoka
- 2Pe113 Biomineralization-inspired fabrication and structural estimation of chitosan/CaCO₃ core-shell type composite microparticles
Izuka Nishii,Shohei Ida,Shokyoku Kanaoka,Yoshitsugu Hirokawa,Satoshi Tanimoto

(3-207)

Fri. Sep 16

Presentation Time

<a = 10:20~11:00>

<b = 11:00~11:40>

A. POLYMER CHEMISTRY: SYNTHESIS AND REACTIONS

- 3Pa001 Synthesis of polyEEGE-b-polyCL having allyl group and its ene-thiol reaction
Kaho Furuyama,Yumi Fujiwara,Yuji Shibasaki,Yoshiyuki Oishi
- 3Pb002 Synthesis and Properties of Poly(Vinyl Ether)s with a Bulky Tetracyclododecane
Takeshi Namikoshi,Tetsuya Nakamura,Takashi Houkawa,Shinji Watanabe,Yoshihito Kohari,Miki Murata
- 3Pa003 Curing reaction of epoxy resin initiated with imidazoles-intercalated α -zirconium phosphates as latent thermal initiators
Osamu SHIMOMURA,Kensuke Tokizane,Takatoshi NISHISAKO,Shunro

YAMAGUCHI, Junko ICHIHARA, Manabu KIRINO, Atsushi OHTAKA, Ryoki NOMURA

- 3Pb004 Development of Novel sensitizer for UV Cationic Polymerization
Shuuji Yokoyama
- 3Pa005 The effect of counter cation in anionic polymerization of fluorine-containing methacrylates
Hiroki Takano, Teruaki Hayakawa
- 3Pb006 Anionic polymerization of (E,E)-alkyl sorbate assisted by N-heterocyclic carbene
Yuhei Hosoi, Shin-ichi Matsuoka, Akinori Takasu
- 3Pa007 Anionic polymerization on 2-aryl-, alkyl-, and trimethylsilyl- substituted[3]dendralenes
yuki takamura, tomoyuki toda, masamitsu miya, katsuhiko takenaka
- 3Pb008 Anionic polymerization of methacryloyl chloride and acryloyl chloride and its polymer induction response.
Yuto Nakamura, Shun Nakano, Yasuhiro Kohsaka, Tatsuki Kitayama
- 3Pa009 Ring-Opening Polymerization of Chiral Thiolactone Prepared from Lipoic Acid
Fumimasa Katsuki, Kazumasa Makimura, Shin-ichi Matsuoka, Koji Takagi, Masato Suzuki
- 3Pa011 One-pot synthesis of block copolymers by distonic radical initiator
Masashi Shiotsuki, Kayeon Cho, Masaru Tsukiji, Iori Ohara, Kenichiro Takeuchi
- 3Pa013 Effects of structure of dimethoxysilane external donors on the propylene copolymerization using Ziegler-Natta catalysts
Supawadee Poonpong, Patchanee Chammingkwan, Toshiaki Taniike, Minoru Terano
- 3Pb014 Solvatochromic fluorescent D- π -A pyrene dye-end-labeled polymers
Shizuka Agano, Chia-Hsiu Chen, Yosuke Niko, Gen-ichi Konishi
- 3Pa015 Synthesis and optical properties of 5,6-nido-carborane compound containing benzothiophene
Kazushi Hashimoto, Kenta Nishino, Kazuo Tanaka, Yoshiki Chujo
- 3Pb016 Synthesis and Optical Properties of the Novel Chiral Polymers Based on a Chiral Rigid Cyclic Structure
Hayato Morofushi, Makoto Miyasaka
- 3Pa017 Synthesis of Functionalized Chiral [5]Helicene and Its Extended Polymer Derivatives
Tetsuro Hiramoto, Makoto Miyasaka
- 3Pb018 Synthesis and Optical Properties of a Chiral Macrocycles Based on Bridged Binaphthyls
Hiroki Tokunaga, Makoto Miyasaka

B. POLYMER PHYSICS: STRUCTURE AND PROPERTIES

- 3Pb020 Relationship between Swelling Property and Network Structure of Host-Guest Gel
Yu Kashiwagi, Takuya Katashima, Masaki Nakahata, Yoshinori Takashima, Akira Harada, Tadashi Inoue
- 3Pa021 Selective Adsorption Behavior of Poly(2-methoxyethyl acrylate) Composite Hydrogel Particle
Takuma Kureha, Daisuke Suzuki
- 3Pb022 Synthesis and Application of Rotaxane Cross-linked Elastomer Particles
Seina Hiroshige, Takuma Kureha, Daichi Aoki, Jun Sawada, Daisuke Aoki, Toshikazu Takata, Daisuke Suzuki
- 3Pa023 Molecular simulation of mechanical properties of networks consisting of associating polymers II
Keita Yamamoto, Tsuyoshi Koga
- 3Pb024 Local viscoelasticity in cross-linked poly(N-isopropyl acrylamide) studied by single particle tracking microrheology
Keisuke Suzuki, Hiroyuki Aoki
- 3Pb026 Modelling of the Convex Shaped Rubber Elasticity of DN Gel with the Consideration of Potential Energy
Isamu Riku, Koji Mimura
- 3Pa027 Observation of Formation and Degradation Behaviors of Networked Polymers Containing a Photolabile Crosslinker by Using a Photorheometer

Kanji Suyama, Hideki Tachi

- 3Pb028 Phase-Separation-Induced Brittle-Ductile Transition in Polyampholyte Hydrogels
KunPeng Cui, TaoLin Sun, Liang Chen, Takayuki Nonoyama, Tasuku Nakajima, Takayuki Kurokawa, JianPing Gong
- 3Pa029 Synthesis of tough elastomer without viscos energy loss
Yuhei Ozaki, Tasuku Nakajima, Takayuki Nonoyama, Takayuki Kurokawa, Jian Ping Gong
- 3Pb030 Hierarchical structures of bisamide supramolecular organogels VI -Formation of porous micro-particles by mixing two species of bisamide with different sequence of central amide groups to one another-
Eiichi Sato, Rei Okano, Yuji Jinbo

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B. POLYMER PHYSICS: STRUCTURE AND PROPERTIES

- 3Pa031 Preparation and evaluation of porous polymer prepared by gel-emulsion polymerization using redox initiator.
Yudai Imasaka, Masahiro Suzuki, Kenji Hanabusa
- 3Pb032 Synthesis of new gelators based on D,L-methionine and gelation property
Shunichi Suga, Masahiro Suzuki, Kenji Hanabusa
- 3Pa033 Preparation of polymeric materials with porous structure using W/O gel-emulsion as template
Koichi Hori, Masahiro Suzuki, Kenji Hanabusa
- 3Pb034 Characteristics of gelation by amides based on trans-1,2-diaminocyclohexane : importance of different substituents
Haruka Nakagawa, Mamoru Hujiki, Masahiro Suzuki, kenji Hanabusa
- 3Pa037 Thermally Bending Deformation of Liquid Crystal Elastomers/Gels with Hybrid Alignment
Haruka Doi, Kenji Urayama
- 3Pb038 Structural observation of polymer aggregates formed in polymer-stabilized blue phases by transmission electron microscope
Shinji Shindo, Yasushi Okumura, Hiroki Higuchi, Hirotsugu Kikuchi
- 3Pa039 Use of Liquid crystalline behavior of lyotropic fully aromatic poly (amic ester)s precursor for controlling the orientation of rigid aromatic polyimide
Kazuyuki Tanaka, Ryohei Ishige, Shinji Ando
- 3Pb040 A Liquid Crystal with High Dielectric Permittivity and SHG Activity
Kazuya Shiroshita, Hiroya Nishikawa, Hiroki Higuchi, Yasushi Okumura, Hirotsugu Kikuchi
- 3Pa041 Synthesis of low-bandgap conjugated polymer with light isomerization function
Masashi Otaki, Kohei Yamabe, zh Qinyong, Hiromasa Goto
- 3Pb042 Anisotropic Three-dimensional Mesostructures in Blend Membrane of Liquid Crystalline Block Copolymers
Yuki Oguchi, Tomokazu Iyoda, Yusuke Hibi
- 3Pa043 Phase behaviors of side-chain liquid-crystalline polymethylenes consisting of two types of unit different in spacer length bonded randomly
Mihoko Nishimura, Yosuke Aizawa, Masatoshi Tokita

C. FUNCTIONAL POLYMERS AND POLYMER FUNCTIONS

- 3Pa045 Oxygen Transport Resistance of Nafion Thin Film on Platinum Electrode
Akihiro Shinohara, Ryosuke Jinnouchi, Kenji Kudo, Naoki Kitano, Naoki Hasegawa, Yu Morimoto
- 3Pb046 Structural Analysis of Drying Process of Catalyst Ink for Fuel Cells by SAXS / USAXS
Naoki Hasegawa, Atsushi Kamiya, Takuro Matsunaga, Naoki Kitano, Masashi Harada
- 3Pa047 Damage phenomena of MEA used in PEFC

Naoki Hasegawa, Haruhiko Yamado, Takashi Asano, Hiroshi Hojyo, Hiroaki Makino, Tomoaki Uchiyama

- 3Pb048 Preparation of lithium ion conductive nanofiber composite membranes for all-solid-state multi-layered secondary battery
Yuta Inafune, Tsukasa Watanabe, Manabu Tanaka, Hiroyoshi Kawakami
- 3Pa049 Preparation of nanofiber framework composite electrolyte membranes based on lithium ion conductive polymer nanofibers for future secondary battery applications
Takushi Shimane, Tsukasa Watanabe, Manabu Tanaka, Hiroyoshi Kawakami
- 3Pb050 Preparation of lithium single-ion-conducting nanofiber framework and their application to secondary batteries
Shun Nakazawa, Kazunori Hara, Tsukasa Watanabe, Manabu Tanaka, Hiroyoshi Kawakami
- 3Pa051 Preparation and characterization of composite thin membranes based on acid-doped nanofiber framework
Takahiro Ogura, Takeru Wakiya, Manabu Tanaka, Hiroyoshi Kawakami
- 3Pb052 Fabrication and characterizations of surface-modified nanofiber framework composite membranes for proton conductivity enhancement
Takahito Makinouchi, Manabu Tanaka, Hiroyoshi Kawakami
- 3Pa053 Effect of alkyl side chains on dielectric relaxation behavior of carbonate-based polymer electrolytes
Kaori Kobayashi, Kento Kimura, Hidekazu Kodama, Takeo Furukawa, Yoichi Tominaga
- 3Pb054 Synthesis and evaluation of supramolecular electrolytes with boroxine as crosslinking points (I) - Fabrication of gels using diamine derivatives -
Shunsuke Horiuchi, Masahiro Yoshizawa-Fujita, Yuko Takeoka, Masahiro Rikukawa
- 3Pa055 Preparation condition and proton conductivity of proton exchange membranes containing crystalline polymer
Shougo Yaguchi, Toshiyuki Kataoka, Takayuki Ikehara
- 3Pb056 Preparation and electrochemical properties of Mg gel polymer electrolytes swelled with glyme solution
Maito KOGA, Yuki SHODA, Ryoichi YAGISAWA, Hideaki OIKE, Yoichi TOMINAGA
- 3Pa057 Synthesis of polymers having carbonate units in the side and main chains for electrolytes
Gouta Kimoto, Takashi Morioka, Yoichi Tominaga
- 3Pb058 Effect of polyelectrolyte cross-linking density on characteristics of aromatic anion conducting pore-filling membrane for solid alkaline fuel cell application
Kengo Hattori, Shoji Miyanishi, Yuhei Oshiba, Takeo Yamaguchi
- 3Pa059 Ultra Fast Electrochemical Deposition of Core Shell Metal Nano Particles on TiO₂ Nano Tubes for Oxygen Reduction Reaction
Bukka Santhosh, Yuhei Umehara, Koichi Higashimine, Raman Vedarajan, Noriyoshi Matsumi
- 3Pa061 Electrophoresis of Non-Ionic Latexes for Structural Color
Daiki Mokude, Masahiro Higuchi, Akinori Takasu
- 3Pb062 Electrophoretic mechanism of non-ionic poly(ester-sulfone) dispersions.
Mizuki Yokoyama, Akinori Takasu
- 3Pa063 Synthesis of Electrophoretic Polyurethane Containing Sulfones
Akinori Ohno, Akinori Takasu
- 3Pb064 Synthesis of non-ionic electrophoretic unsaturated polyester and UV-curing
Isamu Kawarazaki, Akinori Takasu
- 3Pa065 Dispersion of graphene in organic solvents using conductive polymers and its application
Hiroki Iguchi, Chisato Higashi, Yuichi Funasaki, Keisuke Fujita, Atsunori Mori, Akira Nakasuga, Tatsuo Maruyama
- 3Pb066 Synthesis of Star Polymers Having Several Sulfanyl and Sulfonyl Groups in the Core
Wataru Miyamoto, Yumiko Naka
- 3Pa067 Synthesis of Polymers Immobilized on Substrates and their Surface Observation
Takuto Onaya, Yumiko Naka
- 3Pb068 Formation of Porous Films using Comb Polymers

Kenya Sato, Yumiko Naka

3Pa069 Formation of Porous Structure on Liquid-Crystalline (LC) or Non-LC Star Polymer Films
hiromu takayama, yumiko naka

3Pb070 Enhancement of water-resistant adhesive-free adhesion for polyethylene plates
surface-modified by photografting technique
Yuki kazama, Yuji Kimura, Kazunori Yamada

(3-2nd Floor Lounge)

C. FUNCTIONAL POLYMERS AND POLYMER FUNCTIONS

3Pa071 Gelation of chitosan solutions by enzymatic reaction and their use for adhesion of
grafted polyethylene plates
Yuki Morikawa, Yuji Kimura, Kazunori Yamada

3Pb072 Surface modification of poly(tetrafluoroethylene) plates by oxygen plasma pretreatment
and photografting and enhancement of their adhesive properties.
Hide Nobu Kiyokawa, Yuji Kimura, Kazunori Yamada

3Pa073 The Relationship between the Structure and Peel Force in Alkyl-Side-Chain Polymer Films
Fumiya MORI, Shin-ichiro KABASHIMA, Kento TERABAYASHI, Masumi EDA, Ken-ichi IIMURA

3Pb074 Preparation of Polyacrylic Dispersants and Dispersion Stability of Magnetite Fine
Powder in Their Aqueous Solutions
Takumi Kanno, Michinori Karikomi, Takao Kimura

3Pa075 Creation of a new side chain crystalline block copolymer having a modification ability
of poly(tetrafluoroethylene)
Yuta Saeki, Hideaki Obuchi, Ryouko Nakano, Hiroshi Sekiguchi, Shigeru Yao

3Pb076 Polyethylene surface modification and plating effect by the side-chain crystalline block
copolymer
Tomonori Uchino, Ryouko Nakano, Hiroshi Sekiguchi, Shigeru Yao

3Pa077 Contribution of Gelation for Superhydrophobicity on Surfaces Prepared from Mixtures
of Low Molecular Organogelator and Fatty acids
Motoshi YAMANAKA, Kazunori NAKANO

3Pb078 Characterization of terminal-azide functionality of concentrated polymer brushes by p-
polarized multiple-angle incidence resolution spectrometry (pMAIRS).
Kosuke Nishiumi, Yuji Kinose, Keita Sakakibara, Yoshinobu Tsujii, Nobutaka
Shioya, Takafumi Shimoaka, Takeshi Hasegawa

3Pa079 Suppression of protein adsorption on surface of glass by biocompatibility polymer
Tomoko Honda, Shin-ichi Yusa, Kazuhiko Ishihara, Yasuhiko Iwasaki

3Pb080 Oxidation Resistance and Conductivity of Nickel Surface Covered with Thiol-terminated
Polymers
Kosuke Yamakawa, Juri Takagi, Kaoru Adachi, Yasuhisa Tsukahara

3Pa081 Display of carboxy groups on plastic substrate surfaces by the segregation of fluorine-
containing side chains of polymers
Keisuke Nishimori, Shigeru Kitahata, Ayane Shimomura, Takashi Nishino, Tatsuo Maruyama

3Pb082 Adhesion between Hard Materials Using Reversible Host-guest Interaction
Yasushi SHOJIMA, Tomoko SEKINE, Yoshinori TAKASHIMA, Akira HARADA, Hiroyasu
YAMAGUCHI

3Pa083 Wettability control of phosphorylated polymeric material surface
Kazuki Miyamae, Ayaka Kadowaki, Takumi Okihara

3Pb084 Concentration dependence of surface modification ability of hydrophilic side chain
crystalline block copolymer
Yuga Miho, Hiroshi Sekiguchi, Ryouko Nakano, Shigeru Yao

3Pa085 Synthesis of Inorganic-Organic Hybrid Hyperbranched-Linear Polymer Based on
Poly(Siloxysilane) Hyperbranched Macroinitiator and Poly(N-isopropylacrylamide), and
their Application to Cell Cultivation On Glass Substrate
Renaud Gillet, Yuta Nabae, Teruaki Hayakawa, Masa-aki Kakimoto

- 3Pb086 The polymerization of a new type side chain crystalline block copolymer and the super water-repellent of polyethylene surface
Koki Fukaya, Hiroshi Sekiguchi, Ryoko Nakano, Shigeru Yao
- 3Pa087 Synthesis of electrophoretic poly(ester-sulfone) containing double bond via polycondensation and UV curing.
Yoshifumi Matsumoto, Akinori Takasu
- 3Pb088 Fabrication of bifunctional surfaces from a patterned self-assembled monolayer of 2-nitrobenzyl carbamate-bearing silane coupling agent
Dai Hirakawa, Tsubasa Konishi, Kazuo Yamaguchi

D. BIOPOLYMERS AND BIORELATED POLYMERS

- 3Pa091 Preparation of Glycopolymer via Post-Polymerization Modification using N-succinimidyl monomers
Tomohiro Fukuda
- 3Pb092 Synthesis and Characterization of Trehalose Glycopolymer via RAFT Polymerization
Sotaro Tsuji, Yumeno Noguchi, Tomohiro Fukuda
- 3Pa093 Preparation and evaluation of trehalose-glycopolymer brush on the substrate
Suguru Yamashita, Tomohiro Fukuda
- 3Pb094 Molecular dynamics study of EDA-cellulose I complex crystal models
Yuta Kodama, Takuya Uto, Toshifumi Yui
- 3Pa095 Molecular Dynamics Simulations of Cellulose and Chitin Crystal Models in Ionic Liquids
Takuya Uto, Kazuya Yamamoto, Jun-ichi Kadokawa
- 3Pb096 Design and function of ionic nanogel-integrated gel with biodegradability
Taisei Kojima, Yoshiro Tahara, Sada-atsu Mukai, Shin-ichi Sawada, Yoshihiro Sasaki, Kazunari Akiyoshi
- 3Pa097 Synthesis of stimuli-responsive nanogel with controlled protein release ability
Genya Tanaka, Riku Kawasaki, Shinichi Sawada, Yoshihiro Sasaki, Kazunari Akiyoshi
- 3Pb098 Preparation of Amylose-grafted Poly(γ -glutamic acid) Gel by Chemoenzymatic Approach
Takuya Shouji, Kazuya Yamamoto, Jun-ichi Kadokawa
- 3Pa099 Creation of Novel Nanogels Based on a Single Polymer Chain
Hiroyuki Yokota, Hiroaki Yoshida
- 3Pb100 Preparation of Amylose-grafted Chitin Nanofiber Gel
Naomichi Egashira, Kazuya Yamamoto, Jun-ichi Kadokawa
- 3Pa101 Effect of sodium salts on the starch gelatinization, retrogradation, and gelation
Yuto Hoshino, Hiroshi Ito, Atsushi Kobayashi
- 3Pb102 Preparation and Gelation Behavior of Polyoxazoline-grafted Chitin Nanofiber
Junpei Yoshida, Kazuya Yamamoto, Jun-ichi Kadokawa
- 3Pa103 Nanofibrillation and chemical modification of TEMPO-oxidized pulps using amines
Ryuji HIRASE, Asahiro NAGATANI, Masayuki KAWASAKI, Kohtaro ITOH
- 3Pa105 Fructose/oxygen fuel cell operating with the electron transfer between conducting polymers and enzymes
Takashi Kuwahara, Keita Isozaki, Masato Shimomura
- 3Pb106 Electrochemical characterization of fructose dehydrogenase immobilized electrode prepared with polyaniline hydrogel
Keita Isozaki, Takashi Kuwahara, Masato Shimomura
- 3Pa107 Electrochemical detection of glucose based on competitive oxygen consumption reactions on conducting polymer films carrying enzymes.
Kohei Ogawa, Takashi Kuwahara, Masato Shimomura
- 3Pa109 Enhancement of DNAszymes activity by cationic comb-type copolymers
Ken Saito, Naohiko Shimada, Atsushi Maruyama

- 3Pb110 Improvement of deoxyribozyme-based nucleic acid detection with cationic copolymer
Hiroki Sato, Naohiko Shimada, Atsushi Maruyama
- 3Pa111 Monitoring of DNA microenvironment by controlling fluorescence blinking
Takafumi Miyata, Naohiko Shimada, Kiyohiko Kawai, Atushi Maruyama
- 3Pb112 Intracellular gene expression control by PNA-PEG conjugate induced SNPs recognition.
Yusuke Hamashita, Takashi Okuno, Naoki Kise, Toshihiko Sakurai
- 3Pa113 Structural transition from one-dimensional to two-dimensional arrays of DNA-
functionalized nanoparticles
Shota Shiraiishi, Yoshitsugu Akiyama, Guoqing Wang, Tohru Takarada, Kazuo
Miyamura, Mizuo Maeda
- 3Pb114 Electrical detection of nucleic acid amplification of aptamer for biomarker recognition
Daiki Higashi, Tatsuro Goda, Miyuki Tabata, Akira Matsumoto, Takao Aoyagi, Yuji Miyahara

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Presentation Time

<c = 13:20~14:00>

<d = 14:00~14:40>

A. POLYMER CHEMISTRY: SYNTHESIS AND REACTIONS

- 3Pc001 Dynamic Covalent Exchange Reactions of Diaryl Diselenide-Containing Reactive Polymers
Nao Suzuki, Akira Takahashi, Raita Goseki, Hideyuki Otsuka
- 3Pd002 Mechano-responsiveness of Mechanochromic Polyurethanes with Tetraarylsuccinonitrile Units
Marina Nukui, Toshikazu Sumi, Raita Goseki, Hideyuki Otsuka
- 3Pc003 Synthesis of Quaternized Phosphonium Salts Based on Polysiloxane
Tsuyoshi Wako, Tsukasa Ichikawa, Mako Kobayashi, Nobukatsu Nemoto
- 3Pd004 Synthesis of Cross-linked Polysiloxane with Imidazolium Salt
Tsukasa Ichikawa, Tsuyoshi Wako, Mako Kobayashi, Nobukatsu Nemoto
- 3Pc005 Evaluation of UV, irradiation, and thermal aging behaviors of mid density polyethylene
Yukiko Furuhashi, Yuta Mashiko, Chiaki Ota, Keiji Ishikawa, Tadashi Yamane, Kyoichi
Asano, Hideshi Tezuka
- 3Pd006 Effect of Crystallinity on Mechanochromism of Crystalline Polymers with
Diarylbibenzofuranone in the Center of Structure Based on Bond Dissociation
Shigeki Furukawa, Hironori Oka, Raita Goseki, Hideyuki Otsuka
- 3Pc007 Degradation Analysis of Polymer Materials using Supercritical Carbon Dioxide and
Spin-trapping Method
Rina Tamai, Masayo Sono, Kenji Kinashi, Wataru Sakai, Naoto Tsutsumi, Satoko Okubayashi
- 3Pd008 Degradation Analysis of Polymer Materials using Spin-Trapping Method Combined
with Quantum Chemical Calculation
Manabu Inoue, Kenji Kinashi, Wataru Sakai, Naoto Tsutsumi, Ken Horita
- 3Pc009 Photoregulation of Polymer Chain Scission Based on a Diels-Alder Adduct Containing
Diarylethene
Jumpei Kida, Keichi Imato, Raita Goseki, Masakazu Morimoto, Hideyuki Otsuka
- 3Pd010 Synthesis and Optoelectronic Functions of Poly(pyridinium salt)s by Three-component
Coupling Reaction of Poly(p-phenylene-ethynylene) Derivatives with Ketones and
Amines via C-H Activation Process
Makoto Sakata, Hiroki Nishiyama, Shinsuke Inagi, Ikuyoshi Tomita
- 3Pc011 kinetic analysis for photo-induced polymerization of Multi-function monomer and
reactive polymer
Ryota Hayashi, Kentaro Taki
- 3Pd012 Synthesis of Various p-conjugated Polymers via Tellurium-Lithium Exchange Reaction
of Tellurophene-containing Polymers
Feng Zheng, Hiroki Nishiyama, Shinsuke Inagi, Ikuyoshi Tomita

- 3Pc013 Insertion Reactions of Oligosulfides into Dynamic Covalent Polymers Using Elemental Sulfur
Koki Ikuta, Akira Takahashi, Raita Goseki, Hideyuki Otsuka
- 3Pd014 Microphase-Separated Structure of Polar Group-Introduced Polystyrene-*block*-Poly(methyl methacrylate)
Kohei Yoshida, Lin Tian, Ken Miyagi, Takuya Isono, Takuya Yamamoto, Kenji Tajima, Toshifumi Satoh
- 3Pc015 Development of oxidatively degradable epoxy resin cured by diamine bearing diacylhydrazine.
Ga Joon Yau, Nobuhiro Kihara
- 3Pd016 Efficient Polymer Analogous Reactions Based on Multi-component Reactions
Takasuke SASAKI, Ryohei KAKUCHI, Katsuhiko MAEDA, Tomoyuki IKAI, Shigeyoshi KANOH

B. POLYMER PHYSICS: STRUCTURE AND PROPERTIES

- 3Pc021 Preparation of physical poly(vinyl alcohol) gels with high strength and high water content using a unidirectional freezing method
Shun Nakamura, Takuya Isosu, Atsushi Suzuki
- 3Pd022 Peeling behavior of polymer films from high adhesive soft interfaces
Ryo Ichikawa, Yoshiki Sugizaki, Atsushi Suzuki
- 3Pc023 Probe diffusion in polymer solution and gels
Nobuyuki Watanabe, Xiang Li, Takamasa Sakai, Mitsuhiro Shibayama
- 3Pd024 Small-angle X-ray scattering study of hierarchical structure in slide-ring elastomer
Tsubasa Shinozuka, Kousuke Minato, Koichi Mayumi, Rina Maeda, Hideaki Yokoyama, Kohzo Ito
- 3Pc025 Crack Propagation Characteristics of Slide-ring Gels
Chang Liu, Koichi Mayumi, Kazuaki Kato, Hideaki Yokoyama, Kohzo Ito
- 3Pd026 Permeation behavior of Slide-Ring Gel Membranes
Hiroaki Okuno, Koichi Mayumi, Kazuaki Kato, Hideaki Yokoyama, Kohzo Ito
- 3Pc027 Relationship between elastic modulus and cross-linking density in slide-ring gel
Yuta Ikeda, Kazuaki Kato, Koichi Mayumi, Hideaki Yokoyama, Kohzo Ito
- 3Pd028 Synthesis of Slide-Ring elastomer cross-linked by Diels-Alder reaction
Kohsuke Minato, Koichi Mayumi, Rina Maeda, Kazuaki Kato, Hideaki Yokoyama, Kohzo Ito
- 3Pc029 Properties of PVA/Chitosan Blend Gel Film
Risei WADA, Hidenobu SHIMIZU, Masaru OKABE
- 3Pd030 Physical properties of syndiotactic polystyrene gels prepared with imidazole derivatives
Saori Inomata, Kosuke Iwahori, Yui Kuboyama, Takumi Sano, Hideyuki Itagaki

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B. POLYMER PHYSICS: STRUCTURE AND PROPERTIES

- 3Pc031 Elucidation of Swelling-Solubilization Behavior of PVB Organogel Prepared by Using Tetracarboxylic Dianhydride as the Crosslinker
Masahiro Mizukoshi, Michinori Karikomi, Takao Kimura
- 3Pd032 Network Structure Design of Amphiphilic Gels Based on Triblock Prepolymer Structure
Hironobu Kitanaka, Shohei Ida, Satoshi Tanimoto, Shokyoku Kanaoka, Yoshitsugu Hirokawa
- 3Pc033 Monomer Sequence Effect on Swelling Behavior of Thermoresponsive Gels with Ionizable Groups
Megumi Sogoh, Shohei Ida, Satoshi Tanimoto, Shokyoku Kanaoka, Yoshitsugu Hirokawa
- 3Pd034 Influence of Synthetic Methods of PNIPAAm Gels on Uniaxial Stretching Properties: Correlation between Network Structure and Breaking Behavior
Ryuichi Yoshida, Shohei Ida, Satoshi Tanimoto, Shokyoku Kanaoka, Kenji Urayama, Yoshitsugu Hirokawa

- 3Pc035 Rheology of Polymer Gels with Much Amounts of Uncross-linked Component and Dangling Chains
Naoto Yamada, Kenji Urayama
- 3Pd036 Synthesis of Arylmethylpyridinium Tetrakis(pentafluorophenyl)borates and their Application to Thermally-Latent Epoxy Curing Agents
Tamagawa Jyunya, Kozo Matsumoto, Takeshi Endo
- 3Pd038 Theory of rheological properties of physical gels with well-defined junction structure
Hiroto Ozaki, Tsuyoshi Koga
- 3Pc039 Fabrication and characterization of 3D-constructed polymer gels encapsulating protein molecules
Koji Mizuno, Makito Iguchi, Akiko Obata, Toshihiro Kasuga, Toshihisa Mizuno
- 3Pd040 Rheo-optical study of semi-IPN prepared from nearly-ideal polymer network
Hiroki Mizokawa, Takuya Katashima, Takamasa Sakai, Tadashi Inoue

C. FUNCTIONAL POLYMERS AND POLYMER FUNCTIONS

- 3Pc043 Alkaline Durable Anion Conducting Polymer Electrolyte Membrane Synthesized by Radiation-Induced Grafting
Kimio Yoshimura, Akihiro Hiroki, Yue Zhao, Hideyuki Shishitani, Yoshihiro Kishiyama, Susumu Yamaguchi, Hirohisa Tanaka, Yasunari Maekawa
- 3Pd044 Design of the electrode active material / ionomer interface which contributes to enhancement of the number of three phase boundary in the membrane electrode assembly of polymer electrolytes fuel cell via radiation graft polymerization technique
Kenichi Takahashi, Toshiyuki Mori, Akira Suzuki, Shipra Chauhan, Yasunari Maekawa, Shunya Yamamoto, Akihiro Hiroki, Kimio Yoshimura
- 3Pc045 Aliphatic polyamide Charge-transfer complex hybrid films for high temperature PEFC
Masamichi Nishihara, Liana Christiani, Shiyang Feng, Kazunari Sasaki
- 3Pd046 Design of thin electrolyte membrane with pore-filling method for polymer electrolyte fuel cells
Jin Tomatsu, Yuhei Oshiba, Hidenori Ohashi, Takeo Yamaguchi
- 3Pc047 Development of Novel Aromatic Polymer Electrolyte Membranes Based on Heterocyclic Ring Systems for PEFCs.
Shuntaro Amari, Shinji Ando, Takeo Yamaguchi
- 3Pd048 MOF / Polythiophene Nanocomposite Coatings for Sustained Zn-air Battery Anodes
Ankit Singh, Raman Vedarajan, Noriyoshi Matsumi
- 3Pc049 Preparation of anhydrous proton conductor consisting of self-assembled nucleic acid base
Kento Tanoue, Masanori Yamada
- 3Pd050 Electrolytic Hydrogenation and Dehydrogenation of Fluorenone-substituted Polymers
Masataka Nakajima, Ryo Kato, Kenichi Oyaizu, Hiroyuki Nishide
- 3Pc051 Design and optoelectronic properties of A-D-A type conjugated molecules terminated by rhodamine analogue
Shinji Nagasawa, Ghosh Tanwistha, Gopal Anesh, C. Nair Vijayakumar, Akinori Saeki
- 3Pd052 Synthesis of regio-regular benzothienoisindigo copolymer
Marina Ide, Yoshiko Koizumi, Akinori Saeki
- 3Pc053 Ammonia borane-based polymeric composite for dehydrogenation
Masashi Shiotsuki, Yuya Takizawa
- 3Pd054 Synthesis and Evaluation of Nano Structures of Block Copolymers with Liquid-Crystalline Oligothiophenes
Naoto Yanahashi, Toru Ube, Tomiki Ikeda
- 3Pc055 Study of the cathode for development of semitransparent organic thin film solar cells
Yuki Matsumoto, Yukika Asano, Atsushi Aoki
- 3Pd056 Fabrication of Organic Photovoltaics Based on n-Type Thiophene/Phenylene Co-oligomers Substituted with Cyano Groups

Akito Ikemoto, Yuhi Inada, Takeshi Yamao, Shu Hotta

- 3Pc057 Inverted organic thin film solar cells using ZnO nanoparticles modified ITO
Yanliang Bi, Yuki Matsumoto, Atsushi Aoki
- 3Pd058 Module fabrication using PTB7/PC70BM solar cell for solar hydrogen generation
Shinpei Goto, Atsushi Aoki
- 3Pc059 Fabrication and Investigation of Poly(ethylene carbonate)-based All-Solid-State Li Batteries
Keisuke Matsumi, Mari Yajima, Yoichi Tominaga
- 3Pd060 Measurement of Ionic Conductivity of Slide-ring Gel Swollen with Electrolyte of Secondary Batteries.
Haruka Nishino, Naoki Sugihara, Shinji Kanehashi, Koichi Mayumi, Youichi Tominaga, Takeshi Shimomura, Kohzo Ito
- 3Pc061 Development of liquid-crystalline lithium ion conductors by complexation of pyridine derivatives and lithium salts
Hiroaki Ichida, Masafumi Yoshio, Takashi Kato
- 3Pd062 Charge-discharge properties of Lithium ion battery using ω -pyrenylmethylpoly(ethylene glycol)s as the anode binder
Akari Seko, Kosuke Izaki, Ruixuan He, Camilo Piedrahita, Thein Kyu, Kaoru Adachi, Yasuhisa Tsukahara
- 3Pc063 Few Layered MoS₂/Acetylene Black Composite Material as High Capacity Anode Material for Li Ion Battery
Rajashekar Badam, Raman Vedarajan, Rajalakshmi Natarajan, Noriyoshi Matsumi
- 3Pd064 Synthesis of Conjugated Carbonyl Containing Polymer for Battery Application
Ryosuke Yamamoto, Naoaki Yabuuchi, Makoto Miyasaka
- 3Pc065 Photocatalytic Activity of Hybridized Polydiacetylene Nanocrystals
Chanon Pornrungrroj, Mamiko Ozawa, Yosuke Miyashita, Tsunenobu Onodera, Hitoshi Kasai, Hidetoshi Oikawa
- 3Pd066 Structural chemical study on high thermal conductivity mechanism of two kinds of phenyl benzoate twin-mesogen epoxy polymers with different directions of ester groups
Yuzo Itoh, Naoto Nishimura, Tadatomo Kawai
- 3Pc067 Enhanced Charge-Discharge Behavior of Lithium Ion Secondary Batteries Fabricated Using BIAN/Fluorene Type Conjugated Copolymer
Sai Gourang Patnaik, Raman Vedarajan, Noriyoshi Matsumi
- 3Pd068 Analysis of high thermal conductivity mechanism of side chain type liquid crystalline methacryl polymers with odd number of spacer carbons
Yuzo Itoh, Kengo Ando, Tadatomo Kawai
- 3Pc069 Synthesis of methacrylate polymers that have spacer carbon number 2 or 6 and alkyl chain length 6 of mesogen, phenyl benzoate end group and analysis of their high thermal conductivity mechanism.
Yuzo Itoh, Norihisa Abe, Tadatomo Kawai

(3-2nd Floor Lounge)

D. BIOPOLYMERS AND BIORELATED POLYMERS

- 3Pc071 Interaction between Phenyltoloxamine and Human Serum Albumin
Masami Tanaka, Keiji Minagawa, Yasushi Imada, Yukihiko Arakawa
- 3Pd072 Suppression of pathological protein aggregation by secretion signal peptide of ovalbumin.
Yukako Kobayashi, Takuya Uemura, Tomonori Waku, Naoki Tanaka
- 3Pc073 Formation of ovalbumin nanoparticle by cationic dendrimer and its application for cell culture.
Naoya Morimoto, Manami Yamada, Chie Kojima, Tomonori Waku, Naoki Tanaka
- 3Pd074 Construction of protein-encapsulated fibermats using 3D network polymers
Yuya IDO, Makito IGUCHI, Marcon Anthony, Akiko OBATA, Toshihiro KASUGA, Toshihisa MIZUNO

- 3Pc075 Fabrication of 3D structured-membrane protein-gels using novel reactive solubilization-surfactants for membrane proteins
Aki Taniguchi, Shuhei Koeda, Tomoyasu Noji, Keisuke Kawakami, Takehisa Dewa, Nobuo Kamiya, Shigeru Ito, Toshihisa Mizuno
- 3Pd076 Evaluation of high Mw PG-surfactants on membrane protein functions included in polymer solution and polymer-gels
Shuhei Koeda, Tomoyasu Noji, Keisuke Kawakami, Takehisa Dewa, Nobuo Kamiya, Shigeru Itoh, Toshihisa Mizuno
- 3Pc077 Design of novel amphipathic proteins via redesign from natural amphiphilic protein, oleosin
Kento Sugiura, Takehisa Dewa, Toshihisa Mizuno
- 3Pd078 Supramolecular Asymmetric Photochirogenesis (SMAP) of 2-Anthracene Carboxylate and 2,6-Anthracene Dicarboxylate mediated by Serum Albumin as Chiral Reaction Nanoreactor
Sota Toyooka, Masaki Nshijima, Seiji Sakamoto, Yasuyuki Araki, yoshohisa Inoue, Takehiko Wada
- 3Pc079 Precise polymerization of artificial membrane proteins and its interaction with cellular membrane
Daiki Takahashi, Yuta Koda, Shin-ichi Sawada, Sadaatsu Mukai, Yoshihiro Sasaki, Kazunari Akiyoshi
- 3Pd080 Control of phase transition temperature of a biosynthesized extracellular matrix protein containing poly(2-oxazoline) side chains
Saki Morita, Akinori Takasu
- 3Pc081 Structure and Dynamics of Hydrated Spider Silk and Its Model Peptides for the Sequences studied by NMR
Yugo Tasei, Shunnsuke Kametani, Hironori Matsuda, Takehiro Satoh, Jyunnichi Sugawara, Tetsuo Asakura
- 3Pd082 Photoactivatable CO release from Mn carbonyl complexes incorporated protein crystals to modulate cell functions
Takuya Shimoi, Satoshi Abe, Hajime Mori, Takafumi Ueno
- 3Pc083 Characterization of silk materials with chemical and physical crosslinking and various hydration states.
Nao Ifuku, Keiji Numata
- 3Pd084 Esterification of fatty acids catalyzed by lipases pretreated by hydration-aggregation treatment
Maho Katayama, Takashi Kuroiwa, Toru Matsui, Akihiko Kanazawa
- 3Pc085 Ultrasensitive detection of influenza virus using diamond electrode modified with sugar-mimic peptide
Michiko Ujie, Teruhiko Matsubara, Takashi Yamamoto, Miku Akahori, Yasuaki Einaga, Toshinori Sato
- 3Pd086 Inhibition of Influenza Virus Infection by GalNAc-modified Peptide
Yurina Fujiwara, Shunsuke Arami, Shoko Chiba, Teruhiko Matsubara, Toshinori Sato
- 3Pc087 Development of polymeric micelle with fluorescently informative function for timely reporting therapeutic status
Xiaohang Sun, Hiroyasu Takemoto, Takahiro Nomoto, Makoto Matsui, Keishiro Tomoda, Nobuhiro Nishiyama
- 3Pd088 Single molecular mechanical dynamics of Polyproline by AFM
Tamamushi Hironori, Masaru Kawakami, Hidemitsu Furukawa
- 3Pc089 Development of brain-permeable peptide nanofiber that prevents aggregation of Alzheimer pathogenic proteins
Takuya Uemura, Yukako Kobayashi, Mitsuaki Okuda, Hachiro Sugimoto, Seizi Miyata, Tomonori Waku, Naoki Tanaka
- 3Pd090 Development of recombinant papain with high aminolysis activity prepared by random mutagenesis.
Ayaka Tateishi, Takeshi Yoshizumi, Keiji Numata

- 3Pc093 Drug delivery system of complex between phosphorylated pullulan and cationic surfactant
Takumi Okihara, Hiroki Okajima, Shun Watanabe
- 3Pd094 Physical properties of composite paste of phosphorylated polysaccharides and salts
Tomoya Watanabe, Takumi Okihara
- 3Pc095 Formation mechanism of Complex drug carrier system based on phosphorylated pullulan
Shota Miyake, Shingo Yosizane, Takumi Okihara
- 3Pd096 Development of a N-sulfated chitosan derivative for a drug delivery system
Hironori Izawa, Yuka Miyazaki, Misato Ono, Osaki Tomohiro, Shinsuke Ifuku, Minoru Morimoto, Hiroyuki Saimoto
- 3Pc097 Design and characterization of functional glucan nanospheres as a nanocarrier for nucleic acids
Ruoshi Zhang, Shigeo Takeda, Shinichi Sawada, Yoshihiro Sasaki, Kazunari Akiyoshi
- 3Pd098 Synthesis of Glycosaminoglycans with the aim of Mucopolysaccharidosis diagnosis by saccharide primer method
Mashu Watanabe, Keiichi Matsubayasi, Hideki Nakajima, Yu Ishida, Masafumi Onodera, Toshinori Sato
- 3Pc099 Analysis of the self-assembly structure of double hydrophilic glycopolymer
Takahiro Oh, Yu Hosino, Yoshiko Miura
- 3Pd100 Chemoenzymatic Synthesis of Amphoteric Block Polysaccharide
Jun-ichi KADOKAWA, Yusei TAKATA, Kazuya YAMAMOTO
- 3Pc101 Synthesis of glyco-polyphenylacetylene to probe carbohydrate-carbohydrate interactions
Ryoji Matsuoka, Ryota Motohashi, Teruaki Hasegawa
- 3Pd102 Development of carbohydrate ligands changing affinity for lectin by light irradiation
Tomohiko Sugiyama, Takayuki Kato, Hatsuo Yamamura, Atsushi Miyagawa
- 3Pc103 Biomaterials with the use of peptide-polyion complex matrices
Kyotaro Nakamura, Jun Kumai, Chikara Fujimori, Fumihiko Katagiri, Kentaro Hozumi, Yamato Kikkawa, Motoyoshi Nomizu
- 3Pd104 Complex Formation of Chitosan Stereoisomer with Anionic Polymers
Takuya Nakauchida, Kazuya Yamamoto, Jun-ichi Kadokawa
- 3Pc105 Analyses by AFM force-distance curves of chitin derivatives and their applications to functional biomaterials
Asuka Masui, Saki Kato, Yuko Nakagawa, Toshiaki Mori
- 3Pc109 Three-dimensional real time observation of morphological changes in lipid membranes by peptide/cationic copolymer nano complex
Satomi Azumai, Naohiko Shimada, Atsushi Maruyama
- 3Pd110 Proteoliposome engineering: Regulation of sorting hexahistidine-tagged membrane protein into liposomal membrane by cell-free protein synthesis
Mitsuru Ando, Shun Shikura, Risako Miura, Shin-ichi Sawada, Yoshihiro Sasaki, Kazunari Akiyoshi
- 3Pc111 Preparation and function of immune checkpoint proteins-embedded proteoliposomes
Raga Ishikawa, Shosuke Yoshida, Sada-atsu Mukai, Shin-ichi Sawada, Yoshihiro Sasaki, Kazunari Akiyoshi
- 3Pd112 Evaluation of Interfacial Polymerization Using the Surface of the Vesicle as a Platform
Fumihiko Iwasaki, Keishi Suga, Yukihiko Okamoto, Peter Walde, Hiroshi Umakoshi
- 3Pc113 Design of novel method for biomolecule detection using biomolecule recognition gating membrane
Hiroto Okuyama, Yuhei Oshiba, Hidenori Ohashi, Takeo Yamaguchi
- 3Pd114 AFM observation of inhibition of amyloid beta fibril formation by the GM1-binding peptide on the lipid bilayer
Mako Nakai, Masaya Nishihara, Teruhiko Matsubara, Toshinori Sato