

Room P

Online Poster

Wed. Sep 16 - Fri. Sep 18

A. POLYMER CHEMISTRY: SYNTHESIS AND REACTIONS

- PA0101 Synthesis of block copolymer PIBM-b-PHFIPM for PC-PSP application
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- PA0102 Controlled Radical Copolymerization of alpha-Trifluoromethylstyrenes with Nitroxides
Yuriko Ito, Tadashi Kanbara, Tomoko Yajima
- PA0103 Precise Synthesis of Poly(Alkenyl Boronate) through Optimization of Controlled Radical Polymerization System
Tomoaki Kanazawa, Tsuyoshi Nishikawa, Makoto Ouchi
- PA0104 Development of highly transparent and high refractive index polymers by radical polymerization of vinyl sulfide derivatives containing aromatic heterocycles
Ibuki Watanabe, Yugo Sato, Hideharu Mori
- PA0105 pH- and temperature-responsive polymers by the polymerization of methacrylamides bearing an amino group at the allylic position
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Kentaro Shibata, Yuki Kametani, Makoto Ouchi
- PA0107 Radical polymerization of novel deep eutectic monomers and characterization of resulting polymers
Ayaka Torii, Keiko Ajino, Hideharu Mori
- PA0108 Lewis Pair Radical Polymerization of Various Polar Vinyl Monomers
Mayo Horibe, Kazumasa Mori, Shin-ichi Matsuoka, Masato Suzuki
- PA0109 RAFT polymerization by Lewis pair catalysts
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- PA0110 Control of Alternating Copolymerization by Bulkiness and Electron Density in Comonomers: Design of Transformable Bulky Monomers
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- PA0111 α -Hydroxymethylation of Vinyl Sulfonates
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- PA0201 Ring-Opening Polymerization of Cyclic Esters Catalyzed by Neutral Silicon Lewis Acid
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- PA0202 Living cationic polymerization of β -methyl vinyl ether with a bulky substituent
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- PA0203 Living cationic polymerization of various β -methyl vinyl ethers with a bulky silyl protection group.
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- PA0204 Investigation for Living Cationic Homo- and Copolymerization of Oxiranes and Synthesis of Acid-Degradable Alternating-Like Polymers with Aldehydes
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- PA0205 Cationic Copolymerization of Vinyl Acetate and Cyclic Acetals: Polymerization via Crossover Reactions and Subsequent Side-Chain Abstraction
Junichi Azuma, Arihiro Kanazawa, Sadahito Aoshima
- PA0206 Cationic copolymerization of alkene monomers and styrene derivatives
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- PA0207 Quantitative Chain-End Functionalization in Controlled Cationic Alternating Copolymerization of Vinyl Ethers and Conjugated Aldehydes: Synthesis of α , ω -Functionalized Degradable Polymers
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- PA0208 Concurrent Cationic Vinyl-Addition and Ring-Opening Copolymerization of Vinyl Ethers and Various Oxiranes with Different Number and Structures of Substituents: Effects of the Structure of Oxiranes on Polymerization Behavior
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- PA0209 Cationic Copolymerization of Vinyl Monomers and 1,3-Dioxo-2-silacycloalkanes via Concurrent Vinyl-Addition and Ring-Opening Mechanisms and Terpolymerization with Ketone or Aldehyde: Investigation for Sequence Control
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- PA0210 Concurrent Vinyl-Addition and Ring-Opening Copolymerization of Trimethylsilyl Vinyl Ether and Cyclic Acetals : Synthesis of Degradable Polymers under Various and Mild Conditions
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- PA0215 Study of chalcogen bonding catalyst in cationic polymerization of vinyl monomer
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- PA0303 Stereospecific Polymerization of Isoprene and Styrene with Group 4 Constrained Geometry Catalyst Systems
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- PA0304 Impact of σ -ligands and neutral donors on the ethylene polymerization activity of bis(indolyl)-coordinated titanium complexes
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- PA0305 Ring-opening metathesis polymerization and post-polymerization modification of norbornadiene dimer
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- PA0401 Investigation of polycondensation with cis-2-butene-1,4-diol for the synthesis of an unsaturated polybutylene succinate
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- PA0402 Development of Reactive Ladder Polymers Bearing Hydroxy Groups in the Side Chains from Naturally Occurring myo-Inositol
Tomoki Yamasaki, Atsushi Sudo
- PA0403 Synthesis of Heat-resistant Polyacetals Using myo-Inositol-derived Tetraols
Takuro Yamashita, Atsushi Sudo
- PA0404 ADMET Polymerization of Hydroxy-functionalized Divinyl Compound Derived from myo-Inositol
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- PA0405 Synthesis of polyamines based on visible light-driven reductive coupling of imines
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- PA0406 Development of Diols Bearing Rigid Orthoester Moieties Derived from myo-Inositol and Their Applications to Polymer Synthesis
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- PA0408 Synthesis and optical properties of donor-acceptor alternating copolymers by means of $A_2 + B_2$ unstoichiometric polycondensation by using benzotriazole as a dibromo monomer
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- PA0409 Synthesis and Annealing Effect of Soluble Fully-Aromatic Polyketones Using $AlCl_3$
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- PA0410 Synthesis and polyaddition of Bis(vinyl ketone) on fluorenyl skeleton
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- PA0411 Synthesis of polyarylates containing triphenyltriazine by the high temperature solution polycondensation method
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- PA0412 Synthesis of poly(conjugated ester) via hydroxymethylation of diacrylates
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- PA0413 Synthesis of polymer composed of cyclodextrin and its application
Jun Katsuki, Shota Fujii, Kazuo Sakurai
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- PA0415 Synthesis of and chirality induction to hyperbranched polymers based on poly(benzene-1,4-diyl) backbone
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- PA0501 Click Living Polymerization of Sugar-Based Monomers with Alkyne and Azide Groups
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- PA6a03 Preparation and properties of fluorene-containing polymer with phenothiazine derivatives
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- PA6a04 Synthesis of optically active cyclic polyoxazoline via two-end functionalization
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- PA6a05 Synthesis and examination of photoelectric properties of platinum-containing polymers bearing naphthalimide moieties
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- PA6a06 Synthesis of cyclic compounds containing curved *p*-terphenylene and naphthalenediimide by means of Suzuki-Miyaura polycondensation and their optical properties
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- PA6b03 One-pot syntheses of heteroarm star polymers by combining living ring opening polymerization and living radical polymerization
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- PA6b06 Surface acetylation of amphiphilic star-type dendrimers having polyoxazoline and hydroxydodecyl groups and thermoresponsive properties of the resulting polymers
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- PA6b07 Precision Synthesis of Graft Polymers Having Polylactide Side-Chains via Controlled Cationic Copolymerization of Vinyl Ethers
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- PA6b08 Controlled synthesis of poly lactic acid-grafted poly vinyl alcohol by concerted acid-base organocatalyst.
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- PA6b09 Synthesis and characterization of a novel thermosetting poly(tris(N-methylbenzamide pentamer))-b-PEG using Curtius rearrangement.
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- PA6b10 Synthesis of hyperbranched polyimides from asymmetric triamine and dianhydride
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Ituki Tousya, Kouta Kajihara, Takehiro Kawauchi
- PA0702 Encapsulation of coronene in helical syndiotactic PMMA
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- PA0703 Self-Folding of Supramolecular Polymers by Barbiturated Heteroaromatic Molecule
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- PA0704 Helicoidal supramolecular polymers that spontaneously transform into crystalline fibrils
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- PB6b03 Surface-modification of latex particles by metal-free photo-induced atom transfer radical polymerization (metal-free π -ATRP) of acrylic acid
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- PC0803 Synthesis and polymerization of acrylates by utilizing incompletely condensed cage silsesquioxane precursors
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Ayumi Toyofuji, Nanami Hano, Yuya Yamaguchi, Takeshi Wakiya, Makoto Takafuji, Hirotaka Ihara
- PC0807 Synthesis of Copolymers of Polysilane and Allyl Methacrylate
Fumiya Kato, Yukihito Matsuura, Masanobu Ohkita, Tomoharu Tatekawa
- PC0808 Development of bioactive hydroxyapatite using TEMPO-oxidized cellulose microbeads
Tomohiro Shirotsuki, Hitomi Kuraya, Naoya Ryu, Maki Horiakawa, Makoto Takafuji, Shoji Nagaoak, Hirotaka Ihara
- PC0809 Synthesis of Zinc Oxide Particles by Sol-Gel Reaction in The Presence of Polyethyleneimine
Yuta Akimoto, Takeru Iwamura, Yoshikuni Hashimoto
- PC0810 Synthesis and photochromic properties of polymers bearing bismuth carboxylate structure.
Kouhei Kikuta, Yoshimasa Matsumura, Kikuo Furukawa, Miyuki Miyamoto, Yoshio Nishimura, Bungo Ochiai
- PC0811 Photophysical properties of a Eu(III) coordination polymer with self-assembly
Joe Hayashi, Sunao Shoji, Yuichi Kitagawa, Koji Fushimi, Yasuchika Hasegawa
- PC0812 Development of organic photocatalysts consisting of polydiacetylene nanocrystals
Tsunenobu Onodera, Chanon Pornrungraj, Mamiko Ozawa, Hidetoshi Oikawa

- PC0813 Synthesis of Sulfur Containing Cyclosiloxane Monomers for Porous Polymer Networks
Yuhi Watanabe,Huie Zhu,Masaya Mitsuishi
- PC0814 Spinning and evaluation of physical properties of metal salts addition polyvinyl alcohol
Yusuke Taoka,kazuaki Matsumura,Masayuki Yamaguchi
- PC0901 Preparation of stimuli-responsive clear liquid marbles
Shinichiro Kano,Syuji Fujii,Yoshinobu Nakamura,Shin-ichi Yusa
- PC0902 Control of interfacial anchoring of liquid crystal by coating with silane coupling agent
Yuna Arimura,Shizuka Anan,Yasushi Okumura,Hirotsugu Kikuchi
- PC0903 Preparation of plastic surfaces displaying gold nanoparticles on its surface
Mimari Matsumoto,Kazuki Kaneko,Manami Hara,Tatsuo Maruyama
- PC0904 Sinking-Floating Behavior on a Hydrophilic-Hydrophobic Pattern Inspired by a Surface of *Dixa longistyla* Larvae's Abdomen
Naoya Tagata,Daisuke Ishii
- PC0905 Analysis of dynamic wettability mechanism of cuticle-mimicking structure
Takahiro Kawaguchi,Nozomi Ito,Shingo Ito,Daisuke Ishii
- PC0906 Immobilization of functional molecules on plastic surfaces using F-F interaction
Takane Tsuchii,Kazuki Kaneko,Takashi Nishino,Tatsuo Maruyama
- PC0907 Influence of Water on the Adhesive Strength of the Interface between Epoxy Resin and Aluminum Alloy
Koki Inoue,Yoshihisa Fujii,Masanobu Naito,Naoya Torikai
- PC0908 Fabrication of the organic gel surface with self-healing property and examination of its anti-adhesion property.
Soma Kitamura,Daisuke Ishi
- PC0909 Comparison of protein adsorption and hydration state of poly(2-oxazoline) coatings
Shichen Liu,Shingo Kobayashi,Masaru Tanaka
- PC0910 Analysis of the electrophoretic behavior in the cationic/zwitterionic copolymer brush surface
Yoichi Watanabe,Tsukuru Masuda,Madoka Takai
- PC0911 Fabrication of Temperature-responsive Concentric Circular Wrinkled Film
Hiroshi Endo,Yuta Morita
- PC1001 Aldol reactions in water by using thermoresponsive polymers having Lewis acid centers.
Hiroki Morimoto,Manabu Ishifune
- PC1002 Formation of antenna-type sensor by laser direct writing and the application to agri-sensing
Akira Watanabe,Ashiqur Rahman

D. BIOPOLYMERS AND BIORELATED POLYMERS

- PD0101 The importance of glycosylation on the cell penetrating activity of coiled-coil protein carrier
Yuta Nomata,Ken-Ichi Sano
- PD0102 Structural analysis of the recombinant spider silk protein gel by solid-state NMR
Takanori HIGASHI,Takehiro SATO,Takashi MORINAGA,Ryo SATOH,Yu SUZUKI
- PD0103 Detoxification of melittin using compounds having indole rings
Sayuki Kanemitsu,Yudai Tominaga,Kanon Nishimura,Haruka Sakurai,Atsuo Tamura,Tatsuo Maruyama
- PD0104 Synthesis of expanded poly(L-amino acid) containing terpyridine(ethynylphenyl)platinum(II) moieties

Ayumi Okada, Taka-aki Okamura, Kiyotaka Onitsuka

- PD0105 3D-layered materials designed from in vivo polyhedra protein crystal
Khanh Tien Nguyen, Takafumi Ueno, Satoshi Abe
- PD0106 Design and function of immunoliposomes with single chain antibody for immunoregulation
Keigo Nakamura, Risako Miura, Mitsuru Ando, Shin-ichi Sawada, Yoshihiro Sasaki, Kazunari Akiyoshi
- PD0201 DNA triplex stabilization with comb-type copolymers having various cationic backbones
Yota Abe, Naohiko Shimada, Atsushi Maruyama
- PD0202 Design and function of nanogels of oligonucleic acid-substituted pullulans with fluorescent probes
Tomoya Arai, Shinichi Sawada, Yoshihiro Sasaki, Kazunari Akiyoshi
- PD0301 Development of cell-penetrating chitosan derivatives
Ryo Umemoto, Hironori Izawa, Shinsuke Ifuku, Minoru Morimoto, Hiroyuki Saimoto
- PD0302 Gel Formation from Chitin Nanofibers by Grafting of Poly(2-oxazoline)s
Seiya Kitasono, Kazuya Yamamoto, Jun-ichi Kadokawa
- PD0303 Characterization of composites of alginic acid and n-alkanediyl α, ω -bis(N-pyridinium salts)
Takanori Suzuki, Ryuji Sugiura, Atsushi Kobayashi
- PD0304 Synthesis of Mixed Chitin Esters by Acylation in Ionic Liquids
Kaho Kohori, Kazuya Yamamoto, Jun-ichi Kadokawa
- PD0305 Development of drug delivery system for tissue fibrosis by N-acetylglucosamine(GlcNAc) polymer-specific binding activity of vimentin.
Inu Song, Hirohiko Ise
- PD0306 Fabrication of wrinkled surfaces on oriented chitosan films
Yuta Toyoshima, Hironori Izawa, Shinsuke Ifuku, Minoru Morimoto, Hiroyuki Saimoto
- PD0307 Selective detection of hydroquinone by modified bicinchoninic acid (BCA) method to construct assay of glycosidase activity using 4-hydroxyphenyl glycosides as a substrate
Shunta Kawahara, Atsushi Kobayashi
- PD0308 The effect of additive on the drying process of gelatinized amylopectin
Koki Matsumoto, Atsushi Kobayashi
- PD0309 Preparation of Scaled-down Chitin Nanofibers and their Use in Composite Materials by Ionic Crosslinking
Takuya Hashiguchi, Kazuya Yamamoto, Jun-ichi Kadokawa
- PD0310 Fabrication of Chitin Gel by Reductive Amination to Scaled-down Chitin Nanofibers
Ryuta Watanabe, Kazuya Yamamoto, Jun-ichi Kadokawa
- PD0311 Thermal gelation behavior of phosphorylated methylcellulose
Yuka Yoshimura, Takumi Okihara
- PD0312 Synthesis of glycopolymers bearing oligosaccharides with different non-reducing end of saccharide and their binding ability with proteins
Sotaro Tsuji, Tomonari Tanaka
- PD0313 Attempt to introduce chemical cross-linking into cellulose nanowhisker fibers under non-aqueous conditions
Takafumi Shimizu, Jun Araki
- PD0314 Properties and antibacterial performance of nanocomposites containing silver nanoparticle-adsorbed cellulose nanowhisker hybrids as fillers
Torino Kosaka, Jun Araki, Takahumi Nomura
- PD0315 Steric stabilization of tunicin cellulose nanowhiskers and their hybridization with silver nanoparticles

Teppei Ueda, Jun Araki

- PD0401 Predation of hollow polymer particles covered with phosphorylcholine groups via template method
Sayaka Fujii, Kazuhiko Ishihara, Shin-ichi Yusa
- PD0402 Function modulation of therapeutic antibiotic gel composed of oligopeptide hydrogelator
Kenta Morita, Witta Kartika Restu, Yuya Nishimura, Jun Ishii, Tatsuo Maruyama
- PD0403 Evaluation of up-conversion in dye-encapsulated polymeric micelles
Yuki Wakebe, Hideki Kawai
- PD0404 Formation of Multilamellar Polyion Complex Vesicle Induced by Osmotic Shock
Tomoki Maruyama, Yiwei Liu, Takeshi Mori, Yoshiki Katayama, Akihiro Kishimura
- PD0405 Control of lipid bilayer permeability by cationic comb-type copolymer/peptide complex
Takayoshi Yamada, Takuro Ochiai, Naohiko Shimada, Atsushi Maruyama
- PD0406 Preparation of protein antifouling surface via amphiphilic diblock copolymers bearing pendant phosphorylcholine groups
Alisa Tsuji, Kazuhiko Ishihara, Shin-ichi Yusa
- PD0407 Structural analysis of core-cross linked nanoparticles and evaluation of surface polymer chain density in vivo
Takuma Kanamaru, Jun Matsuno, Rintaro Takahashi, Shota Fujii, Kazuo Sakurai
- PD0408 Development of novel depot formulation having well-ordered cylindrical nanoarray structure for zero-order release of biomacromolecules
Rento Ota, Takeshi Mori, Yoshiki Katayama, Akihiro Kishimura
- PD0409 Design of saccharide modified polypeptide nanogels and evaluation of their functions as nucleic acid delivery carriers
Kenta Okada, Kazunari Akiyoshi, Yoshihiro Sasaki, Shin-ichi Sawada, Tomoki Nishimura
- PD0410 Development of temperature-responsive polymer nanoparticles for cancer therapy
Kazuhiro Saito, Hiroyuki Koide, Yu Hoshino, Naoto Oku, Tomohiro Asai
- PD0411 Development of polymer ligand-modified liposomes for neutralizing target toxins
Ikumi Yamauchi, Hiroyuki Koide, Yu Hoshino, Naoto Oku, Tomohiro Asai
- PD0412 Design of multi-functionalized liposomes for adsorbing and neutralizing target molecules in vivo
Hikaru Suzuki, Hiroyuki Koide, Satoshi Hirano, Takahumi Ide, Yoshitaka Hamashima, Naoto Oku, Tomohiro Asai
- PD0501 Induction of Growth Factor-free Angiogenesis by Self-Assembled Microparticle-based Hydrogel
Yosuke Mizuno, Tetsushi Taguchi
- PD0502 Fabrication and evaluation of fluoropolymer porous membrane simulating of flower.
Shinpei Ootaki, Karthaus Olaf, Takumi Arakawa
- PD0503 Preparation of polymeric carriers having diol groups for benzoxaborole-based drugs.
Kota Katsube, Yohei Kotsuchibashi
- PD0504 Uniaxial orientation of polysaccharides by meniscus splitting method and the deposition mechanism from the viscous liquids
Isamu Saitoh, Yoshiya Tonomura, Tatsuo Kaneko, Kosuke Okeyoshi
- PD0505 Structural features of polyphosphoesters in promoting osteoblast differentiation
Kenjiro Kiyono, Akihisa Otaka, Yasuhiko Iwasaki
- PD0506 Mimicking Intracellular liquid-liquid phase separation by using UCST-type citrulline polypeptide
Shouhei Nomura, Sotaro Kuroyanagi, Naohiko Shimada, Atsushi Maruyama
- PD0507 The fabrication method of biomimetic micro pillars by using a PVA sacrificial layer

Takahiro Doi, Daisuke Ishii

- PD0508 Design of Glucose-Responsive Microcapsules Using Biomolecular Complex Formation at W/O Interface and Their Molecular-Responsive Behavior
Shiori Matsubara, Akifumi Kawamura, Takashi Miyata
- PD0509 Development of Supramolecular Materials Formed from Gelatin and Application to 3D Scaffolds
Mami Matsuda, Kentaro Hayashi, Nodoka Mitake, Yoshinori Takashima, Masaki Nakahata, Hiroyasu Yamaguchi, Akira Harada, Motomu Tanaka
- PD0601 Clinical application of microarray biochip using photo-reactive polymer
Yoshihiro Ito, Sei Obuse, Jun Akimoto, Norio Tanimoto, Kenji Uemura, Mai Egami, Takahiro Mataka
- PD0602 Development of endoscopic injection material with cushion formation, wound sealing and blood coagulation abilities
XI CHEN, Akihiro Nishiguchi, Tetsushi Taguchi
- PD0603 Cell Adhesion on Polyamide Surface with Different Thermal Histories
Kyoko Oku, Takuya Matsumoto, Takashi Nishino
- PD0604 Bacteriocidal and antibiofouling property of peptide-immobilized biocompatible polymer coatings
Yuta Kozuka, Zhou Lu, Tukur Masuda, Norifumi Isu, Madoka Takai
- PD0605 Preparation of cationic graft copolymers having biocompatible side chains
Ryoya Kobayashi, Naohiko Shimada, Atsushi Maruyama
- PD0606 Design and Mechanical Evaluations of Smart Shape-memory Polymers for Fetal Surgery
FULATI AILIFEIRE, Koichiro Uto, Mitsuhiro Ebara
- PD0608 Establishment of nanosheet wrapping technology for innovative bioimaging tool
Takuto Aoki, Hong Zhang, Kenji Yarinome, Kanae Hatano, Kazuya Kabayama, Koichi Fukase, Yosuke Okamura
- PD0609 Development of electric field-induced method for preparation of extracellular vesicles from cells
Tomoya Yagita, Shiniti Sawada, Yoshihiro Sasaki, Kazunari Akiyoshi
- PD0701 Preparation of water-soluble complex formed from thermo-responsive triblock copolymer and fullerene.
Kohei Kitano, Kazuhiko Ishihara, Shin-ichi Yusa
- PD0702 Development of functional polymers for efficient iron removal for iron chelation cancer therapy
Kana Komoto, Takahiro Nomoto, Sjaikhurizal El Muttaqien, Hiroyasu Takemoto, Makoto Matsui, Yutaka Miura, Nobuhiro Nishiyama
- PD0703 Effects of self-assembled antioxidants on high-intensity running
Takuto Toriumi, Ahram Kim, Shoichi Komine, Ikuru Miura, Suminori Nagayama, Hajime Ohmori, Yukio Nagasaki
- PD0704 Development and evaluation of small carriers containing branched PEG-ASO conjugates
Yudi SUN, Hiroyasu Takemoto, Takahiro Nomoto, Makoto Matsui, Yutaka Miura, Nobuhiro Nishiyama
- PD0705 Modification of the side chain structure of polyzwitterions for the responsiveness to tumorous pH
Masahiro Toyoda, Hiroyasu Takemoto, Takahiro Nomoto, Makoto Matsui, Yutaka Miura, Nobuhiro Nishiyama
- PD0706 Effects of self-assembled drug based on short-chain fatty acid for steatohepatitis treatment
Yuya Tajika, Babita Shashni, Yukio Nagasaki, Yuji Nishikawa
- PD0707 Functional analysis of exosomes from ganglioside-remodeling cancer cells

- Qinyue Liu, Shin-ichi Sawada, Yoshihiro Sasaki, Koichi Furukawa, Kazunari Akiyoshi
- PD0708 Near-Infrared Photothermal Polymer Nanoparticles as Manipulation Tool of Thermo-Sensitive Ion Channels
Weihsu Chen, Masao Kamimura
- PD0709 Fabrication and characterization of phenobarbital-loaded particles for nasal administration
Naoya Ichihara, Miyu Tanahashi, Akira Tokui, Kazuki Nagashima, Yosuke Okamura
- PD0710 Stiffness Tunable Fluorescent Polymer Nanoparticles for Cell Mechanobiology Imaging
Masanaga Miyake, Soichiro Ogura, Ryo Inoue, Masao Kamimura
- PD0711 Development of ATP-responsive polysaccharide nanoparticles and their application as boron agents for boron neutron capture therapy
Yamana Keita, Riku Kawasaki, Kouta Sugikawa, Atsushi Ikeda
- PD0712 Development of Phenyl-butyrate-based nanoparticle for treatment of hyperammonemia
Yaroslav Lee, Long Binh Vong, Yuji Nishikawa, Yukio Nagasaki
- PD0713 The application of brush polymer particle as a cancer drug carrier
Shin Takano, Shota Fujii, Hiroshi Maeda, Kazuo Sakurai
- PD0714 Antioxidant properties of bovine serum albumin coated by polyarbutin
Shota Omi, Hisayosh Kofujita, Tadashi Tsukamoto, Yoshiyuki Oishi, Yuji Shibasaki
- PD0801 Development of temperature-responsive biodegradable injectable hydrogel maintaining multipotency of stem cells for cell therapy
Nozomi Mayumi, Yuta Yoshizaki, Akinori Kuzuya, Yuichi Ohya
- PD0802 Development of dynamic cell culture system using porous DN gels as 3D substrate
Hinako Kato, Tomas Sedlacik, Takayuki Nonoyama, Masumi Tsuda, Seiichiro Ishihara, Shinya Tanaka, Hisashi Haga, Jian Ping Gong
- PD0803 Evaluation of cell behavior on cell aggregation inducing peptide immobilized substrate
Ikumi Amimoto, Yoshiaki Hirano
- PD0804 Anti-freeze peptide applied for cell storage solution
Kaya Ichikawa, Yoshiaki Hirano
- PD0805 Evaluation of Gravity Dependent Collective Cell Migration on Polymer Gel Cell Culture Device
Soichiro Ogura, Masao Kamimura
- PD0806 Developing sugar-modified silk fibroin for wound healing
Rikako Hama, Kazumi Shimada, Ryo Shimada, Shintaro Nemoto, Yasumoto Nakazawa
- PD0807 Effect of PMEAs analog substrates on the osteoblast differentiation of mesenchymal stem cells
Yuri Kado, Kei Nishida, Takahisa Anada, Masaru Tanaka
- PD0808 Design of Photo-responsive MOFs Films That Release Gases for Cell Regulation
Keita Tsubakimoto, Akifumi Kawamura, Takashi Miyata

E. POLYMERS AND ENVIRONMENT

- PE0101 Fabrication and structural analysis of elastic P (3HB-co-3HV) fiber
Katsuya Komiyama, Taku Omura, Taizo Kabe, Tadahisa Iwata
- PE0102 Relationship between block length and crystallization behavior for P(3HB-co-4HB) and P(3HB) block copolymer by *R. eutropha*
Genki Nakano, Takahiko Nakaoki
- PE0103 Improvement of P3HB yield by a new repeated culture method using glycerin as a carbon source by *R. eutropha*
Hiroto Yokoe, Takahiko Nakaoki

- PE0104 Investigation of carbon source metabolism during biosynthesis of poly(3-hydroxyalkanoate) by *P. putida*
Ryo Okuda, Takahiko Nakaoki
- PE0105 Relationship between Metabolism of Glucose and Yield of P(3HB) biosynthesized by *R. eutropha*.
Koudai Nishida, Takahiko Nakaoki
- PE0106 Synthesis and degradability of poly(L-lactide) copolymers with different sequences in main chain
Chikara Tsutsumi, Takumi Kondou, Serina Miyake, Yuushou Nakayama, Shiono Takeshi
- PE0107 Aromatic substituents of poly(trimethylene carbonate) with ester free structure and its effect on degradation behavior
Rikiyu Miyake, Akari Maehara, Nalinthip Chanthaset, Hirohru Ajiro
- PE0108 Synthesis and properties of bio-based polymer containing L-ascorbic acid skeleton in the main chain.
Shintaro Takahashi, Hiroto Kudo
- PE0109 Syntheses of bio-based polyimides with host functional group in side chain
Yuki Morita, Kenji Takada, Tatsuo Kaneko
- PE0110 Fabrication of Polyurethane Film and Fiber using Cellulose Nanofiber as Polyol
Nanami Yagi, Takuya Matsumoto, Yasuo Gotoh, Takashi Nishino
- PE0111 Development of lignosulfonate-derived composites and their application as adhesives
Kazunori Ushimaru, Tomotake Morita, Tokuma Fukuoka
- PE0112 Preparation of glycoclustered cyclodextrin supramolecule
Hiroaki Nakayama, Hiroshi Tamura, Tetsuya Furuike
- PE0113 Phytic acid adsorption performance and Practicality evaluation from laundry drainage by Fe³⁺- (vinylon-g-poly 4-vinylpyridine).
Hiroki Saito, Keiji Yamashita
- PE0201 Challenge to reduce the weight of automotive parts by RTM molding using biomass fiber as reinforcement
Shougo Fujita, Takayuki Tsukegi, Kyoko Sugita, Yuji Kageyama, Osamu Yoshimura
- PE0202 Effect of compatibilizer on carbon fiber/cellulose nanofiber hybrid fiber reinforced composite material
Tomoya Kawarada, Takayuki Tsukegi, Osamu Yoshimura
- PE0203 Cellulose nanocrystal (CNC) compounded PET bottles
Toshihiko Arita
- PE0204 Degradation characteristics of lignin major bond by β -etherase from the marine bacterium, *Altererytrobacter* sp. B11
Eri Kumagawa, Madoka Katsumata, Yukari Ohta, Ken-ichi Kasuya
- PE0205 Synthesis of Sulfur-rich Copolymer by Using Inverse Vulcanization of Raw Sulfur and Long-chain Alkenyl Crownether Derivative
Tasuku SAITO, Kenjiro ONIMURA, Kazuhiro YAMABUKI
- PE0206 Development and practical application of a simple method for measuring the purity of PE-PP mixtures
Kazutoshi Ikenaga, Yuta Yamashita
- PE0301 Development of low-environmental burdens and high water-absorbing towels by cellulose nanocrystal (CNC) sized cotton yarns
Toshihiko Arita, Nobuhiro Yahata, Ryuji Hiratsuka
- PE0401 Introduction of disulfide bonding to biodegradable polyester and evaluation of its degradability
Moe Shimizu, Mamiko Usui, Takuro Baba, Yuya Tachibana, Ken-ichi Kasuya

F. INDUSTRIAL POLYMERS AND TECHNOLOGY

- PF0101 Study on structural change of the nano-voids formed in Polyamide11 by high-pressure hydrogen gas exposure
Keiko OHYAMA,Fumitoshi KANEKO,Hirotda FUJIWARA,Shin NISHIMURA
- PF0201 Mechanical properties of PP in heat degradation test - Round robin test in public research institutes.
Akihiro Oishi,Aki Sugahara,Ryota Watanabe,Utako Kashio,Hideaki Hagihara
- PF0202 Study on the synthesis of dental polymer using a micro flow reactor
Naoya Kitada,Kenzo Yamamoto,Kazuya Shinno,Kiyomi Fuchigami
- PF0401 Preparation of graphene aqueous dispersion using a water-soluble polythiophene derivative
Yoshi Kusamoto,Koki Miyahara,Hiroki Iguchi,Chihiro Kubota,Atsunori Mori,Tatsuo Maruyama
- PF0402 Effect of injection molding and heat treatment conditions on formation of SBS microphase-separated structure.
Kota Kano,Akira Ishigami,Shotaro Nishitsuji,Takashi Kurose,Hiroshi Ito
- PF0501 Mechanical and structural properties of cellulose nanofibers reinforced polymer composites.
Tsubasa Ueda,Akira Ishigami,Takashi Kurose,Hiroshi Ito
- PF0502 Mechanical properties and fracture behavior of fiber filler reinforced nanocomposite of polyamide and hydroxyapatite
Tomoyo Okumura,Kenya Sonobe,Asami Ohashi,Harumi Watanabe,Katsushi Watanabe,Hiroshi Oyamada,Masaaki Aramaki,Toshiaki Ougizawa
- PF0503 Carrier stability and organic thermoelectric properties in carbon nanotube films prepared via surfactant aqueous solutions
Shinichi Hata,Misaki Shiraishi,Yukihide Shiraishi,Naoki Toshima
- PF0601 Study of interactions between Si wafer and adhesives and peeling processes
Yuichi Iwakata,Satoshi Izumi
- PF0602 Development of anti-static PSA for optical films and evaluation of the property of reducing static electricity
Yuta Konno
- PF0603 Release behavior of CPC from the intercalated compound dispersed in the polymer matrix
Takeru Kameyama,Kenya Matsuo,Takumi Okihara