

Room O

On demand O

Mon. May 19, 09:00 – Fri. May 23, 16:45

A. POLYMER CHEMISTRY: SYNTHESIS AND REACTIONS

- OA0101 Development of Controlled Radical Polymerization by Reversible Activation of Thioethers
Mina YONEGUCHI, Toshiki IIDA, Shinnosuke NAKAYAMA, Hironobu WATANABE, Mineto UCHIYAMA, Masami KAMIGAITO
- OA0102 Development of Radical Polymerization with Silyl Radicals for Polymer Design
Yuki ISHIKAWA, Shione KURITA, Yoji TANAKA, Hironobu WATANABE, Mineto UCHIYAMA, Masami KAMIGAITO
- OA0103 Development of Photocontrolled Nitroxide-Mediated Polymerization by Photothermal Conversion of Carbon Black
Seima KONDO, Ryoga HIRATA, Haruyuki KATADA, Hironobu WATANABE, Mineto UCHIYAMA, Masami KAMIGAITO
- OA0104 Reactivity evaluation of radiation-induced graft polymerization using new-generation solvents based on computational chemistry
Kiho Matsubara, Masaaki Omichi, Noriaki Seko, Takashi Masttsuda, Kei Takahashi, Ryohei kakuchi
- OA0105 Sulfur-Free Addition-Fragmentation Chain-Transfer Agents and their Application in Preparation of Pressure-Sensitive Adhesives
Ryo Kawatani, Naoki Ohtani, Mizuki Yoshino, Tomoya Hirano, Hironori Matsuzaki, Takeshi Miyamoto, Yasuhiro Kohsaka
- OA0106 RAFT Polymerization and Depolymerization of Isopropenylboronic Acid Ester: Effect of Boron Pendant on the Efficiency in Monomer Regeneration
Satoshi Akabane, Tomoaki Kanazawa, Tsuyoshi Nishikawa, Makoto Ouchi
- OA0107 Reaction Acceleration during Bulk Polymerization of Methacrylates with different ester groups
Eisuke Sasaki, Yasuhito Suzuki, Akikazu Matsumoto
- OA0108 Radical Ring-Opening Polymerization of Cyclic Thioesters Derived from Salicylic Acid
Ryoya Kamiki, Tomohiro Kubo, Kotaro Satoh
- OA0109 Synthesis and Evaluation of Functional Block Copolymers Containing Bio-based Catechol
Haruki Sekiya, Kaori Tanimoto, Shiho Tanizaki, Hexuan Mao, Xiaobin Liang, Ken Nakajima, Tomohiro Kubo, Kotaro Satoh
- OA0110 Photo Induced Radical Polymerization of C=S Bond-Containing Coumarin Derivatives
Ami Negishi, Sota Yamamoto, Ryoya Kamiki, Tomohiro Kubo, Kotaro Satoh
- OA0111 Development of Controlled Radical Polymerization Using C–O Bond of Ester as Dormant Species
Iksoo JUN, Yunosuke NAKACHI, Akiho SHIMADA, Hironobu WATANABE, Mineto UCHIYAMA, Masami KAMIGAITO
- OA0112 Creation of ion-conductive materials based on N-vinylacetamide/metal salt-type deep eutectic monomers
Katsumi Yoshida, Yuya Sasaki, Reina Shinohe, Hideharu Mori
- OA0201 Ring-opening Alternating Copolymerization of Isobutylene Oxide and Cyclic Anhydride using Organocatalysts
Moeno SUGIYAMA, Ryota SUZUKI, Hiroto AYAKAWA, Tianle GAO, Takuya YAMAMOTO, Feng LI, Takuya ISONO, Toshifumi SATOH
- OA0202 Anionic Copolymerization of Thioamides and Vinyl Monomers

Momo ISHIDA, Tatsuya HATTORI, Hironobu WATANABE, Mineto UCHIYAMA, Masami KAMIGAITO

- OA0203 Photocontrolled Proton Transfer Anionic Polymerization Using C-H Bonds as Dormant Species with Photoswitchable Catalysts
Mei Okano, Katsutoshi Sagawa, Hironobu Watanabe, Mineto Uchiyama, Masami Kamigaito
- OA0204 Synthesis of poly(conjugated ester)s by living ring-opening copolymerization of α -exomethylene lactones and saturated lactones
Ryuki Tsuchiya, Yasuhiro Kohsaka
- OA0205 Itaconyl Dichloride as a Source of Cationic Initiator for Polyethers Containing Acrylate Skeletons
Yoshino Aoki, Ryo Kawatani, Yoshikazu Kimura, Yasuhiro Kohsaka
- OA0206 Cationic copolymerization of dienes and cyclic acetals
Sentarō Okami, Arihiro Kanazawa
- OA0207 Investigation of alkoxy-group elimination reactions occurring in cationic polymerization of vinyl ethers
Tensei Kanki, Arihiro Kanazawa
- OA0208 Synthesis of Hyperbranched Polymers via Controlled Cationic Polymerization of Unprotected Vinyl Catechol
Risa Fujita, Tomohiro Kubo, Kotaro Satoh
- OA0209 1,4-Selective Anionic Polymerization of Plant-Based 1-Phenyl-1,3-Butadiene Derivatives
Yasunobu Isobe, Tomohiro Kubo, Kotaro Satoh
- OA0210 Library Synthesis of Carbon-chain Polymers with Controlled Side Chain Spacing by Nucleophilic Substitution Reaction of Malonates.
Taichi Meno, Shunsuke Tsuchiya, Tatsuma Aiuchi, Keitaro Matsuoka, Kazuki Sada
- OA0301 Exploration and Utilization of the Reactivity in Hypervalent Bismuth Compounds with π -Conjugated Scaffold
Shota Yagi, Kazuya Tanimura, Masayuki Gon, Kazuo Tanaka
- OA0302 The effect of preparation conditions of cerium phosphate catalyst on the alternating copolymerization of carbon dioxide and epoxide
Masayoshi Honda, Hiroshi Sugimoto
- OA0303 Synthesis of crystalline oligo(substituted methylene)s with a well-defined structure
Takumi Takashima, Kiichi Marume, Hiroaki Shimomoto, Tomomichi Itoh, Eiji Ihara
- OA0304 Polymerization of diazoacetates initiated by quinone-ligated Pd complexes
Kazuki Teraoka, Hiroaki Shimomoto, Tomomichi Itoh, Eiji Ihara
- OA0305 Synthesis of one-handed chiral helical polymers by stereospecific polymerization of diazoacetates
Ayano Hori, Hiroaki Shimomoto, Tomomichi Itoh, Eiji Ihara
- OA0306 Polymerization of diazoacetate using Pd complexes with allyl acetate-based ligands
Takahiro Mori, Hiroaki Shimomoto, Tomomichi Itoh, Eiji Ihara
- OA0307 Surface Modification of Gold Nanoparticles with Polymers Containing Platinum Complexes: Photoelectric and Catalytic Functions
Ryota Kobayashi, Hiromitsu Sogawa, Fumio Sanda
- OA0308 Helix-sense-selective polymerization of 3,5-bis(hydroxymethyl)phenylacetylene with a nitrogen-containing functional group directly connected at 4-position .
Ryota Nakajima, Toshiki Aoki, Takashi Kaneko, Masahiro Teraguchi
- OA0309 Synthesis and polymerization of phenylacetylenes having two N-long-alkyl imidazolium moieties at the 3,5-positions.
Shingo Sakamoto, Toshiki Aoki, Takashi Kaneko, Masahiro Teraguchi

- OA0401 Synthesis of linear sulfur-containing polymers using diol monomers with different numbers of continuous sulfur atoms
Ririko Fujiwara, Shun Hashimoto, Masanobu Matsubayashi, Naohiro Okamoto, Ryunosuke Kamioka, Yuichiro Kobayashi, Hiroyasu Yamaguchi
- OA0402 Synthesis of Poly(trithiophosphonate)s by Polycondensation of Phenylthiophosphonic Dichloride with Dithiols
Tianyue Zhou, Ryoyu Hifumi, Ikuyoshi Tomita
- OA0403 Synthesis and optical properties of various poly(thioether)s containing phosphine sulfide unit
Akiyoshi Takai, Ryoyu Hifumi, Ikuyoshi Tomita
- OA0404 Synthesis of Polyacetal with Hydroxyl Groups by Polyaddition of Glycerol.
Yusaku Tajima, Riko Kashima, Tomohiro Kubo, Kotaro Satoh
- OA0405 Design of degradable polyesters via polycondensation with sulfur-containing monomers
ZIXIAO LIANG, Ryoya Kamiki, Tomohiro Kubo, Kotaro Satoh
- OA0406 Polyaddition of Plant-derived cis,cis-Muconic Acid and its Derivatives with Divinyl Ether
Rion Ogawa, Ravi Teja Ananthu, Riko Kashima, Tomohiro Kubo, Kotaro Satoh
- OA0407 Polycondensation of bis(diazocarbonyl) compounds using S-H insertion reactions
Shoichiro Teratani, Hiroaki Shimomoto, Tomomichi Itoh, Eiji Ihara
- OA0408 Reexamination of the reactivity of amino acid NCAs 106; solving the three unsolved problems
Hitoshi Kanazawa, Aya Inada
- OA0501 Photopolymerization reaction of 1,4-diphenyldiacetylenes in solid and liquid crystal phases
Reita Tsuji, Sadayuki Asaoka, Shinichi Sakurai, Shigeyuki Yamada, Yukiyasu Kashiwagi
- OA0502 Controlled/Living Click (Co)polymerization of AB Macromonomer Synthesized through Living Cationic Polymerization
Yasuaki Kobayashi, Tomohiro Kubo, Kotaro Satoh
- OA0503 Synthesis of Block Copolymers by Combination of ATRP and Controlled/Living Click Polymerization
Yuta Yamazaki, Seiichiro Uchida, Tomohiro Kubo, Kotaro Satoh
- OA0504 Substitution Positions Effect on Controlled/Living Click Polymerization of Conjugated AB Monomers
Seiichiro Uchida, Tomohiro Kubo, Kotaro Satoh
- OA0505 Synthesis, thermophysical properties and structural characterization of telechelic polypeptides with aromatic ring moieties
Yusuke Ueno, Kousuke Tsuchiya, Hiroyasu Masunaga, Keiji Numata
- OA6a01 Development and Conjugated Polymerization of Novel Electron Acceptor with High Density of Excited States Based on Tropone
Hikari Ogoshi, Shunichiro Ito, Kazuo Tanaka
- OA6a02 Complexation of Platinum with Carborane Derivatives with Substituted π -Conjugated Systems and Optical Properties
Mei Tokutomi, Kazuo Tanaka
- OA6a03 Stimuli-Responsiveness of π -Conjugated Polymers Based on Pyridylenolate Boron Complexes and The Effects of The Substituents on Boron Atom
Yuto AOYAMA, Shunichiro ITO, Kazuo TANAKA
- OA6a04 Synthesis and Optical Properties of the Cyclic Conjugated Oligomer Containing o-Carborane
Sota Takemori, Kazuhiro Yuhara, Takumi Yanagihara, Kazuo Tanaka
- OA6a05 Development of π -Conjugated Materials Based on 9-Hydroxyphenalenone Boron Complexes Bearing Extended π -Plane and Strong Electron-Accepting Ability
Yuga TARUMI, Shunichiro ITO, Kazuo TANAKA

- OA6a06 Studies on chain number control in graft polymerization using polyrotaxane as initiator
Megumi Akiyama, Takahiro Imai, Shota Ando, Kohzo Ito
- OA6a07 Synthesis of bundled copolymers: a new class of copolymers with parallelly connected different polymer chains
Yusuke Ando, Yuta Kawasaki, Yuki Kametani, Takashi Uemura
- OA6a08 Synthesis and characterization of bundled vinyl polymers with stepwise control of chain number
Yosuke Nukui, Yuki Kametani, Takashi Uemura
- OA6a09 Synthesis of novel star-shaped poly(3-hexylthiophene) with hydroxyl group at the end of arm polymer
Yusuke Endo, Tomoya Higashihara
- OA6a10 Synthesis of New Diketopyrrolopyrrole-based Semiconducting Polymers Containing Urea Units on Side Chains.
Yuto Nakajima, Tomoya Higashihara
- OA6a11 Synthesis and Photophysical Properties of Dipyridylmethene Boron Complexes and their Conjugated Polymers
Kohsei YAMADA, Yuto AOYAMA, Shunichiro ITO, Kazuo TANAKA
- OA6a12 Development of stimuli-responsiveness based on dinucleation and polymerization of hypervalent tin azobenzene compounds.
Kento Tanaka, Masayuki Gon, Kazuo Tanaka
- OA6a13 Investigation of Luminescence Properties of Aryl-Modified Unclosed-Carborane Causing Cluster Distortion by Photoexcitation
Kousei MATSUMOTO, Takumi YANAGIHARA, KAZUO TANAKA
- OA6a14 Changes in Optical Properties of Boron Tropolonate Complexes by Coordination-Site Amination
Ryusei Nakashima, Hikari Ogoshi, Shunichiro Ito, Kazuo Tanaka
- OA6a15 Creation of Luminescent Indium-Fused Azobenzene Complexes from Indium Oxide
Chiaki Hotta, Masayuki Gon, Kazuo Tanaka
- OA6a16 Optimization of Cyclic Polymer Synthesis via Cyclopolymerization Using Microreactors
Kuntaro Morimoto, Yamato Ebii, Takuya Yamamoto, Feng Li, Takuya Isono, Toshifumi Satoh
- OA6a17 Solid-State Polymerization of Chiral Diacetylenes Substituted with Platinum Complex
Ryota Shimoda, Fumio Sanda, Hiromitsu Sogawa
- OA6a18 Preparation of giant molecules with chiral molecules and evaluation of its higher order structure
Yasumasa Miyoshi, Yoshinobu Nakamura, Syuji Fujii, Tomoyasu Hirai
- OA6a19 Precise synthesis of amino acid-TPE hybrid copolymers: self-assembly and aggregation-induced emission/circular dichroism
Ayano KIMURA, Aoi TAKENAKA, Kanako YAMAMOTO, Hidehaaru MORI
- OA6a20 Control of the Morphology of Poly(vinylpyridinium) by TCNQ Radical Anion
Erika Saito, Shotaro Nishitsuji, Jun Matsui, Shuji Okada, Ryohei Yamakado
- OA6b01 Synthesis of polymer-grafted polyrotaxanes using atom transfer radical polymerization
Takahiro Imai, Shota Ando, Kohzo Ito
- OA6b02 Synthesis and Properties of Hyperbranched Polyarylates from Ortho-Substituted Asymmetric Triphenol and Aromatic Dicarboxylic Acid Dichloride
Koya Ikemoto, Kazuya Matsumoto, Mitsutoshi Jikei
- OA6b03 Graft polymerization of conjugated helical aromatic poly-isocyanides
Yusuke Morita, Emika Omura, Sadayuki Asaoka

- OA6b04 Synthesis of Block Copolymers and Functional Star-Shaped Polymers with Itaconic Anhydride
Nanaho Kabuki, Shiho Tanizaki, Tomohiro Kubo, Kotaro Satoh
- OA6b05 Synthesis of star polymers containing poly(substituted methylene)s by click reaction
Momoe Kawata, Hiroaki Shimomoto, Tomomichi Itoh, Eiji Ihara
- OA6b06 Synthesis of graft type polymers having polypeptide backbone and their change in secondary structure.
Hiroe AKIYAMA, Haruki ITOH, Shohei SHIOMOTO, Akihiko KIKUCHI
- OA6b07 Investigation into the synthesis of cyclic polyvinylpyrrolidone
Kotaro Okawa, Takuya Yamamoto
- OA0701 Synthesis and self-assembling behavior of chiral benzimidazole-based π -conjugated supramolecules
Atsumu Ohno, Hiromitsu Sogawa, Fumio Sanda
- OA0801 Synthesis of Processable Crosslinked Polymer Using Acylal-linked Diacrylates
Sumire Hayakawa, Yasuhiro Kohsaka
- OA0802 Liquid-phase direct fluorination of a perfluorovinylether-vinylether copolymer
Masafumi Sugiyama, Soraki Yamashita, Satoru Hommura, Takashi Okazoe, Daisuke Kawaguchi
- OA0803 Chemical recycling of cross-linked polymers based on aliphatic polycarbonates with ammonia
Rikuto Niki, Yusuke Kita, Chen Pengru, Tatsuo Taniguchi, Masazumi Tamura, Daisuke Aoki
- OA0804 Upcycling of sugar-based polycarbonates via aminolysis
Tomoya Sakagami, Tatsuo Taniguchi, Daisuke Aoki
- OA0805 Modification of carbohydrate-based aliphatic polycarbonates by polymer additives and its recycle system
Shunsuke Fujimata, Tatsuo Taniguchi, Daisuke Aoki
- OA0806 Synthesis and Diels-Alder chain-extension reaction of telechelic polymers and their rheological properties.
Yoshihiro TERAQ, Kenichi OYAIZU, Takeo SUGA
- OA0807 Reversible aminolysis of polymers containing α,α -difluoroacetate units
Koki Kasai, Hidei Amii, Ryohei Kakuchi
- OA0808 Degradation of Vinyl Polymers Based on Generation of Anionic Species from C-H Bonds on the Main Chains
Tomoki WATANABE, Koki SAKAI, Hironobu WATANABE, Mineto UCHIYAMA, Masami KAMIGAITO
- OA0809 Investigation into degradation behavior of poly(alkoxycarbonylmethylene)s under basic conditions
Tsubasa Deguchi, Hiroaki Shimomoto, Tomomichi Itoh, Eiji Ihara
- OA0810 Main-Chain Editing of Polymers Obtained by Polycondensation through Claisen Rearrangement
Yuki Kodama, Yasuaki Kobayahi, Tomohiro Kubo, Kotaro Satoh
- OA0901 Synthesis of Cyclic Carbonate-Substituted Polyacetylenes and Their Application to Lithium Ion Recovery Materials
Ko Watanabe, Hiromitsu Sogawa, Fumio Sanda

B. POLYMER PHYSICS: STRUCTURE AND PROPERTIES

- OB0101 Synthesis and Structure of Polyphenylacetylene with Dipeptide in the Side Chain.
Taku Matsuo, Kento Okoshi
- OB2a01 Marine degradation process of polyethylene succinate studied by low- and high-frequency Raman mapping
Miyu Ogawa, Harumi Sato

- OB2a02 Visualization of marine degradation process of P(3HB) and P(3HB-co-4HB) by Raman mapping
Yuma Yamada, Harumi Sato
- OB2a04 Relationship Between the Internal Structure and Mechanical Properties of High-Strength Ethylene-based Thermoplastic Elastomers
Tomoki Kayama, Shusuke Kanomi, Tomohiro Miyata, Kai Chen, Takumitsu Kida, Hiroki Takeshita, Shigenaga Takano, Shojiro Kaita, Hiroshi Jinnai
- OB2a05 Morphology generated during melting and recrystallization process of polymer spherulites
Rio Otsu, Yuta Shinmura, Masato Hashimoto, Tomoko Mizuguchi, Fujiwara Susumu
- OB2a06 Dry-jet wet spinning of paramylon/cellulose blend solutions using ionic liquids as solvent and fiber structure
Shoma Sakaguchi, Yasuo Gotoh
- OB2a07 Structural Analysis of the Semi-Crystalline Region of Fibroin by Using Solid-State NMR
Misaki Mizushima, Yu Suzuki
- OB2a08 Strain-Induced Crystallization behaviors of natural rubber with additional lipids
Tomoaki Nakatsuka, Hiroyasu Masunaga, Yui Tsuji, Keiji Numata
- OB2b01 Mechanical properties of cured epoxy resin with distribution of the network structure density
Aoi Sato, Genki Matsuura, Kakeru Obayashi, Ken Kojio
- OB2b02 Analytical expression for the fracture profile in steady-state crack propagation of rubber-like solids
Naoyuki Sakumichi, Hokuto Nagatakiya, Shunsuke Kobayashi, Ryuichi Tarumi
- OB2c01 Reinforcement Effects of Single-Walled Carbon Nanotubes on Composite Materials
Hiroaki Nobuoka, Osamu Urakawa, Tadashi Inoue
- OB2c02 Synthesis of Nanocomposites Consists of Surface Modified Carbon Nanotubes and Polysulfone
Haruki Teranishi, Seira Morimune-Moriya, Daisuke Ogawa, Keizi Nakamura
- OB2c03 Effect of Nanodiamond on Phenolic Resin Nanocomposites
Momoka Yasuda, Seira Morimune-Moriya
- OB2c04 Polyamide Composites with Recycled Carbon Fiber
Dai Hasegawa, Seira Morimune-Moriya
- OB2c05 Nanodiamond Reinforced Polyurethane Nanocomposites
Kotaro Nagai
- OB3a01 Viscometric Analysis on the Counterion Condensation of Polyelectrolytes in Solution
Marina Ikeda, Shinji Sugihara, Yasushi Maeda, Atsushi Matsumoto
- OB3a02 Analysis of experimental scattering data using an empirical formula for scattering function of wormlike chains with excluded volume
Akiyuki Ryoki, Kana Nakajima, Natsuki Wakuta, Daichi Ida
- OB3a03 Temperature dependence of the microscopic structure of aqueous solutions of poly(*N,N*-diethylacrylamide)
Ryo Watanabe, Daichi Ida
- OB3a04 Investigation of phase transition switching of acrylate polymers in mixed organic solvents through phase diagrams and molecular dynamics simulations
Koki Takasu, Natsuki Inaba, Keitaro Matsuoka, Takuro Tsutsumi, Kazuki Sada
- OB3b01 Molecular dynamics simulation on the effect of side chain length in acrylate polymer systems
Shuuhou Nakashima, Tatsuya Ishiyama

- OB3b02 Analysis on rotational and sliding dynamics of polyrotaxane in dilute solution via full atomistic molecular dynamics simulations
Yusuke Yasuda, Haru Shinohara, Koichi Mayumi, Kazushi Fujimoto, Susumu Okazaki, Hideaki Yokoyama, Kohzo Ito
- OB3b03 The relationship among heterogeneity, vitrification and the reaction acceleration during the curing reaction
Yasuhito Suzuki
- OB0501 Preparation of vitrimer with D-sorbitol and carbonate backbone
Hiroharu AJIRO, Kanako OKUDA
- OB0502 Effect of ionic liquid addition on vitrimer-like materials with bond-exchangeable nanoscale aggregation of quaternized pyridine groups
Koki Yamamoto, Mikihiro Hayashi
- OB0503 Tuning Mechanical Performance in Model Elastomer via Molecular Friction Control
Qiyue Cui, Shintaro Nakagawa, Naoko Yoshie
- OB0504 Behavior of Hydrogen Bonds in Elastomer under Stress
Rena Tajima, Hideyuki Shinzawa, Shintaro Nakagawa, Naoko Yoshie
- OB0505 Viscoelasticity of Reversible Crosslinked Polymeric Gels and Effects of the Solvent Composition
Kenji Yamaoka, Ryohei Ikura, Motofumi Osaki, Hidenori Shirakawa, Kazuya Takahashi, Hiroaki Takahashi, Yoshinori Takashima
- OB0506 Analyses on the structure of crosslinked networks in the polyacrylonitrile gel using SANS technique
Yutaka Tanaka, Hiroki Asada, Yoshito Shimizu
- OB0507 Tough and elastic polymer gels reinforced by strain-induced crystallization
Koichi Mayumi, Kei Hashimoto, Takamasa Sakai
- OB0508 Determination of Linear Polymer Diffusion Coefficients in Gels with Homogeneous Network Based on Swelling Dynamics
Haruki Takarai, Takashi Yasuda, Naoyuki Sakumichi, Takamasa Sakai
- OB0509 The analysis of collective diffusion coefficient during the gelation process of polymer gel
Natsumi Kato, Takarai Haruki, Fujiyabu Takeshi, Sakumichi Naoyuki, Sakai Takamasa
- OB0510 Precise determination of the gel point and critical exponents in end-linking semi-dilute star polymer solutions
Haruto Omori, Mitsuki Nagaura, Naoyuki Sakumichi, Takamasa Sakai
- OB0511 Observation of forwardly emitted longitudinal wave during subsonic crack propagation in polymer gels.
Mitsuki Nagaura, Naoyuki Sakumichi, Takamasa Sakai
- OB0512 Development of complex gel science based on precision gel science
Takamasa Sakai
- OB0513 Effects of strand molecular weight on the rupture of polymer networks in phantom chain simulations
Yuichi Masubuchi
- OB6a01 Prediction of Surface Free Energy of Polymer Surfaces by Explainable Machine Learning
Tsukuru Masuda, Shunya Sudo, Madoka Takai
- OB6a02 Branching Effects of Side-Chain Fluoroalkyl Groups on Molecular Motion and Surface Wettability of Polystyrene Derivatives
Daisuke Kawaguchi, Misato Akamatsu, Makoto Uno, Masafumi Sugiyama, Satoru Homma, Takashi Okazoe
- OB6a03 Effect of End-group Structure on Surface Aggregation States of Amphiphilic Block Copolymer Films
kako kawase, hayate narumi, yukari oda

- OB6a04 Synthesis of thermal-responsive block copolymers and control of their surface wettability in a film state
Fuma Yamamoto, Yukari Oda
- OB6a05 Adsorption and Frictional Properties of Poly(vinyl alcohol) as a Lubricant on Silicon Substrate
Shun Yamakado, Yoshihisa Fujii, Naoya Torikai
- OB6a06 Microphase-separated Structures of poly(DOPAm-b-protected DOPAm) for Sequential Arrangement Control of Heterogeneous Materials
Mizuki Ohke, Ryoichi Akaishi, Syusaku Nagano, Manabu Ishizaki, Masato Kurihara, Shotaro Nishitsuji, Hinako Ebe, Jun Matsui
- OB6b01 Superhydrophobic structural color coating by controlling the assembly structure of surface-modified particles
Yui Maejima, Mana Tomizawa, Ai Takabatake, Shin-ichi Takeda, Hiroshi Fudouzi, Keiki Kishikawa, Michinari Kohri
- OB6b02 Preparation of highly elastic silicone particles
Reina Nakamoto, Hyota Nishi, Shintaro Ishidate, Shinya Katsube, Nozomu Suzuki, Toyoko Suzuki, Hideto Minami
- OB6b03 Preparation of disk-like composite polymer particles by ball-milling method
Asuka Ishii, Haruka Yamamoto, Nozomu Suzuki, hideto Minami, Toyoko Suzuki
- OB6b04 Dispersion Stabilization of Gold Nanoparticles using 8-Shape Poly(Ethylene Glycol)
Jo Tazuke, Yuto Ohkuma, Tomohisa Watanabe, Takuya Yamamoto
- OB6b05 Adsorption of Cyclic Poly(Ethylene Glycol) onto Gold Nanoparticles Synthesized using Various Reductants
Makoto Hikichi, Takuya Yamamoto
- OB6b06 Synthesis of polymeric nanostructures based on living coordination dispersion copolymerization of fluoroalkyl-substituted allene
Kotaro Kitamura, Ryoyu Hifumi, Ikuyoshi Tomita
- OB6b07 Fabrication of Thin Films of Cellulose-Based Bottlebrush Polymers for Controlling Liquid Crystal Alignment
Toshiya Yoshigai, Yuji Kinose, Osamu Sato, Yoshinobu Tsujii
- OB6b08 Study on the formation of aggregation-induced emission monolayers at the Air-Water interface
Tento Nagasawa, Kohei Iritani, Ryoma Amanuma, Ayumi Kobayashi, Takashi Yamashita
- OB6b09 Perpendicular Orientation of Self-assembled Lamellar Films Formed by Amphiphilic Statistical Copolymers
Mao Kikuchi, Hiroto Hamaguchi, Katsuhiro Yamamoto, Shotaro Nishitsuji, Shusaku Nagano, Hinako Ebe, Jun Matsui
- OB6b10 Fabrication of transparent electrodes and their application to soft actuators
Ryo YAMAKOSHI, Tetsu MITSUMATA, Norio TSUBOKAWA, Takeshi YAMAUCHI
- OB0701 Upgrade of SPring-8 BL40XU for evaluation of dynamics and hierarchical structures in polymer materials
Hiroyasu Masunaga, Hiroshi Sekiguchi, Koki Aoyama, Kensuke Tono, Yasunori Senba, Hiroshi Yamazaki, Haruhiko Ohashi, Yasumasa Joti, Takaki Hatsui, Taito Osaka, Makina Yabashi

C. FUNCTIONAL POLYMERS AND POLYMER FUNCTIONS

- OC0101 Synthesis of n-Type Semiconducting Polymers with Conjugate-Break-Spacer Units Comprised of Spirobifluorene Derivatives
Seima Kobayashi, Tomoya Higashihara

- OC0102 Epoxidized 1,2-polybutadiene cured with benzyl(4-hydroxyphenyl)methylsulfonium hexafluoroantimonate and dicumyl peroxide combines low dielectric properties and high glass-transition temperature
Yuma Nakagawa,Naomi Sato,Tomoyuki Ariyoshi,Yoshio Furusho,Takeshi Endo
- OC0201 Multi-functionalization Strategy for Aromatic Poly(thiourea)s: Tailoring Refractive Index, Mechanical Properties, and Solvent Processability
Seigo Watanabe,Zexin An,Tomoya Yano,Kenichi Oyaizu
- OC0202 Synthesis of a novel polylactide with fluorescent initiator by benzoxazine derivatives
Mitsuki Oka,Nalinthip CHANTHASET,Hiroharu Ajiro
- OC0203 Evaluation of Near-Infrared Up-conversion in Dye-Encapsulated Liposomes
Ryosuke Kamimura,Hideki Kawai
- OC0204 EC Characterization of DA Conjugated Polymers Consisting of Propylenedioxythiophene and Various Acceptors
Rika Adachi,Atsushi Aoki
- OC0205 Fabrication of conductive polymer composites by modifying the surface of titanium oxide particles.
Takashi AOKI,Tetsu MITSUMATA,Norio TSUBOKAWA,Takkeshi YAMAUTI
- OC0206 Synthesis of conjugated polymers containing pincer-type platinum complexes and evaluation of their properties
Mare Kobayashi,Hiromitsu Sogawa,Fumio Sanda
- OC0207 Synthesis and properties of polymers bearing ketocoumarin moieties
Hiroataka Kato,Taichi Sotani,Hiromitsu Sogawa,Sanda Fumio
- OC0208 Step- π -conjugated polymers (235) Study of energy transfer mechanism.
Saori Ichino,Haixuan Guo,Hiroyuki Aota
- OC0209 Step- π -conjugated polymers (236) Synthesis of macromolecular wire for efficient photon harvesting.
Kanta Kawahara,Shunta Nakamura,Ayato Isogai,Haixuan Guo,Hiroyuki Aota
- OC0210 Step- π -conjugated polymers (237)Preparation of electrodes with macromolecular wire
Shota Hatamoto,Soshiro Numata,Kota Arakawa,Haixuan Guo,Hiroyuki Aota
- OC0301 Application of crosslinked polyethers bearing quaternary ammonium moieties to anion exchange materials
Meisei Murata,Kozo Matsumoto
- OC0302 Ionic conductivity of difunctional 5-membered carbonate resins in the high concentration of lithium salt addition
Tomoya Ichikawa,Kaito Hyodo,Kozo Matsumoto
- OC0303 Synthesis and physical properties evaluation of discontinuously conjugated polymers for application in hole transporting materials
Hiroto Miyatake,Haixuan Guo,Hiroyuki Aota
- OC0304 Lithium-ion Transportability of Solid Polymer Electrolytes with Soft Lewis Base-Containing Aliphatic Polymers
Akinari Chiba,Kan Hatakeyama-Sato,Kennichi Oyaizu
- OC0305 Effect of addition of lignin-model compound on ionic conductivity of lithium solution electrolyte
Haruka Okawa,Hikaru Minegishi,Yasuyuki Matsushita,Nantapat Soontornnon,Kento Kimura,Yoichi Tominaga
- OC0306 Evaluation of Ionic Conductivity of Carbonate/Ether Copolymer Electrolytes with Cyano Group Side Chains
Hikaru Uehara,Pa do Kim,Nantapat Soontornnon,Kento Kimura,Yoichi Tominaga
- OC0307 Internal Structure Analysis of Graphite Anode for Solid Polymer Electrolyte-based Lithium-ion Secondary Batteries

Yuka Oizumi,Nantapat Soontornnon,Kento Kimura,Yoichi Tominaga

- OC0308 Proton conductivity of novel electrolyte membrane based on phosphorylated cellulose nanofibers for HT-PEFC applications
Hinako Koyanagi,Takashi Kato,Akito Masuhara
- OC0309 Fabrication of core-shell nanoparticles coated with proton conductive polymers to reduce humidity dependence via acid-base interactions
Takashi Nagata,Hinako koyanagi,Akito Masuhara
- OC0310 Molecular Structure and Electrochemical Properties of Water-Soluble Polymeric Active Materials for Aqueous Redox Flow Batteries
Kohei ISHIGAMI,Kenichi OYAIKU
- OC0311 Studies of Cathode Binders in Magnesium Rechargeable Battery
Takeki Miyazawa,Nantapat Soontornnon,Kento Kimura,Yoichi Tominaga
- OC0312 Investigation of polymer coatings for cathode active materials in Mg ion battery.
Peichein Chen,Soontornnon Nantapat,Kento Kimura,Yoichi Tominaga
- OC0313 Properties of Solid Polymer Electrolyte Using A3-Type Hyperbranched Polymer
Yuto Ikunami,Hanako Ogawa,Masataka Kubo,Takahiro Uno
- OC0314 Design of MXene-CNH Anode Based Metal-ion Secondary Batteries and Their Performance
Mukul Swain,Bharat Srimitra Mantripragada,Chinmay Ghoroi,Noriyoshi Matsumi
- OC0315 Pectic Acid/Choline Based Poly(ionic liquid) as a High-Performance Binder for Graphite Anodes in Lithium-Ion Batteries.
Ze Li,Amarshi Patra,Bharat Srimitra Mantripragada,Noriyoshi Matsumi
- OC0316 Novel Organoboron Electrolyte Additive for Enhanced Performance of Lithium-ion Battery Cathodes
Uday Sai Reddi,Bharat Srimitra Mantripragada,Noriyoshi Matsumi
- OC0317 Development of a Transparent Polymer Glass for Latent Heat Storage
Ryota Onodera,Mao Kikuchi,Takayuki Yoshida,Shotaro Nishitsuji,Jun Matsui
- OC0318 Design of Novel Poly(lithium borate) Binder for Fast Charging Lithium-ion Secondary Battery
Pavithra Kasthurirangan,Amarshi Patra,Bharat Srimitra Mantripragada,Noriyoshi Matsumi
- OC0319 High Voltage Supercapacitor Using Microbially Synthesized Additive
Bipashna Pradhan,Bharat Srimitra Mantripragada,Syunsuke Masuo,Naoki Takaya,Noriyoshi Matsumi
- OC0320 BIAN Based Electropolymerizable Electrolyte Additive for High Voltage Supercapacitors.
Bharat Srimitra Mantripragada,Noriyoshi Matsumi
- OC0321 Electrochemical Properties of Non-Platinum Catalyst using Metal Phthalocyanine Complexes containing Carbon Black
Chaolin Bai,Yuta Nakazato,Tsukasa Ichikawa,Izuru Kobayashi,Nobukatsu Nemoto,Kotaro Yoshioka,Shota Tanaka,Yuki Sakamoto,Masaji Akimoto
- OC0322 Evaluation of Polybenzimidazole Composite Membranes for PEMFC Membrane
Diyon Weeratunga,Naoki Tanaka,Tsuyohiko Fujigaya
- OC0401 Development of Chemically Bonded-Type Switchable Chiral Stationary Phases Composed of Helical Poly(diphenylacetylene)
Sora Yaginuma,Tatsuya Nishimura,Katsuhiko Maeda
- OC0402 Permeation behavior of carbon dioxide molecules in polymeric membranes
Chuya Sato,Kakeru Obayashi,Aya Fujimoto,Ken Kojio
- OC0501 Swelling and mechanical properties of hydrogels with combinations of various interactions.
Asahi Inoue,Yohei Kotsuchibashi

- OC0502 Electrophoretic deposition and their long-term thermal degradation resistance of a solvent-soluble polyimide containing fluorene moiety
Ayumi Kobayashi, Rena Takashima, Kohei Iritani, Ryoma Amanuma, Hideyuki Kikuchi, Takashi Yamashita
- OC0503 Synthesis of A Novel ABA Triblock Copolymer with Semiaromatic Polyimide and Polyisobutene Segments
Toshinobu Sato, Daisuke Miura, Tomoya Higashihara
- OC0504 Preparation of nanoparticles of solvent-soluble polyimide/PEG copolymers and their application to electrophoretic deposition
Tomomi Shimizu, Ayumi Kobayashi, Kohei Iritani, Ryoma Amanuma, Takashi Yamashita
- OC0505 Synthesis and electrophoretic deposition properties of solvent-soluble polyimide/silica composite electrodeposited materials
Shoma Hayashibe, Ryoma Amanuma, Kohei Iritani, Kobayashi Ayumi, Takashi Yamashita
- OC0506 Toughening of Ionic Glassy Polymers Using 4-Dimethylaminopyridine as Counterion
Daisuke Aoki, Kotaro Uchiyama, Koji Arimitsu
- OC0507 Toughening of cycloaliphatic epoxy resin utilizing in situ polymerization of flexible (meth)acrylate monomers and cross-linking agents
Maria Takahashi, Hiroyuki Maekawa, Toshiyuki Oyama
- OC0508 Synthesis of ionic liquid with dye molecules and its responsivity to ammonia gas
Yuya Terai, Naoya Adachi
- OC0509 Multifunctional Group Effects on Reshapable Siloxane Networks with Boronic Ester Crosslinkers
Hinata Tsunoda, Kan Aoki, Aki Kashiwazaki, Masaya Mitsuishi
- OC0601 Development of simultaneous synthesis method for IPN gel using maleic anhydride copolymer
Teruyoshi FURUHASHI, Shigeki HABAUE
- OC0602 Simultaneous synthesis of IPN gels with pyridyl groups in the side chain
Takami Urayama, Hikaru KATO, Shigeki HABAUE
- OC0603 Simultaneous synthesis of silk fibroin composite IPN gels with various structures
Ayane IKAI, Zhi-Qing WANG, Yohei SHIBATA, Shigeki HABAUE
- OC0604 Novel Temperature Sensing Hydrogel Systems Exhibiting Stimuli-Responsive Change in Multiple Properties: Combination of Precisely Designed Internal Nanodomains and Environment-Responsive Photoluminescent Dyes
Hayato Wakuda, Shohei Ida, Masatoshi Oyama, Keiji Nakajima, Hiroki Takeshita, Shokyoku Kanaoka
- OC0605 Synthesis of novel PAMAM dendrimers having oxazoline dimer at the surface and their thermoresponsive properties.
Minamo Nishikawa, Kai Ota, Keigo Aoi
- OC0606 Effect of Torrent on Ionic Flow in Polyelectrolyte Solutions
Rentaro Kanamori, Kaito Watanabe, Yoshifumi Yamagata, Keisuke Miyamoto, Mika Kawai, Tetsu Mitsumata
- OC0607 Mechano-optical Behavior of Pressure-responsive Chiral Nematic Liquid Crystal Elastomers
Ryota Morimoto, Maki Ogata, Kohsuke Matsumoto, Osamu Tsutsumi
- OC0608 Optical Property of Chiral Nematic Liquid Crystalline Copolymer Particles with Core-Shell Structure
Rina Tanigawa, Tomoki Shigeyama, Kohsuke Matsumoto, Osamu Tsutsumi
- OC0609 Synthesis of liquid crystalline block copolymers with supramolecular side chains and analysis of thin film structures
Yuki Machida, Yuya Ishizaki, Takahiro Seki, Shusaku Nagano
- OC0610 Reflection Color Gradation of Chiral Nematic Liquid Crystals formed by Photogradient Polymerization

Keishiro Uehara, Tatsuya Ishibe, Yuki Shikata, Kohsuke Matsumoto, Osamu Tsutsumi

- OC0611 Development of Upconversion Nanoparticle Coated with Extracellular Vesicles as Near-Infrared (NIR)-Activatable Photosensitizer for Photodynamic Therapy
Shoma Takeichi, Takuro Eto, Riku Kawasaki, Kiyofumi Katagiri, Naoki Tarutani, Kazunari Akiyoshi, Yoshihiro Sasaki, Ryosuke Mizuta, Keita Yamana, Atsushi Ikeda
- OC0612 Photoinduced solid-to-liquid and glass-liquid transitions by thermally stable molecular switches
Naoki Kaneda, Keiichi Imato, Yousuke Ooyama
- OC0613 Redox-associated Phase Transition of a Marginally Stable Synthetic Polymer
Takafumi Enomoto, Keita Terui, Shunsuke Yagi, Aya Akimoto, Ryo Yoshida
- OC0614 Gelation of konnyaku and temperature-responsive gel
Koumei Harajiri
- OC0615 Independent control of swelling behavior and bulk elastic modulus in hydrogels through surface grafting
Aya Mizutani Akimoto, Nishimoto Taihei, Takafumi Enomoto, Chia-Hsuan Lin, Shyh-Chyang Luo, Ryo Yoshida
- OC0616 Polymer Gels with High Adhesive Strength to Polytetrafluoroethylene
Toshiya Yamasaki, Jin Gong
- OC0617 Development of a hinge-like mechanophore that has one 1,6-bis(phenylethynyl)pyrene and one 9,10-bis(phenylethynyl)anthracene
Kota Masuda, Shohei Shimizu, Yoshimitsu Sagara
- OC0618 Topological gels with movable cross-linking obtained using three-dimensional mesh-like structures (molecular nets) and penetrating polymerization
Hiroaki Ogawa, Fumika Seko, Yuto Nakazawa, Kousei Shinzaki, Kenitirou Mizuguti, Nobuo Murase, Yuichi Ohya
- OC0619 Design and Function of 4D Hydrogel
Yoshiko Miura, Chanhlyuk Jee, Zhongkui Wang, Ken Kojio, Hikaru Matsumoto, Masanori Nagao
- OC0620 Development of Mechano-Responsive Fluorescent Polyurethane Elastomers
Tetsuma Inaoka, Hiromitsu Sogawa, Fumio Sanda
- OC0621 Development of Multi-Degradable, thermo-responsive N-Alkylated Nylons with Disulfide Bonds in the Main Chain
Shintaro Tsuchisaki, Masanori Miyoshi, Akari Sugano, Keitaro Matsuoka, Kazuki Sada
- OC0622 Nonlinear Electrical Properties of Photoresponsive Liquid Crystalline Polymer with Proton Conductive in Thin Films
Shunnosuke Tanaka, Yuya Ishizaki, Shusaku Nagano
- OC0623 In-Plane orientation and Anisotropic Proton Conductivity of Hetero-Smectic-Lamellar Structures formed by Liquid Crystalline Azobenzene Random Copolymers with Acrylic Acid
Oichiro Kumamoto, Yuya Ishizaki, Shusaku Nagano
- OC0624 Electrochemical control of LCST for gel actuators
Soma Hodono, Keiichi Imato, Naoki Kaneda, Yosuke Ooyama
- OC0625 Synthesis of topological gels using 3-dimensional mesh-like structures (molecular net) of poly(N-isopropylacrylamide)
Koya Ichikawa, Yamato Fujita, Kenichiro Mizuguchi, Nobuo Murase, Yuichi Ohya
- OC0626 Fluorescent property changes of rotaxane-based supramolecular mechanophores introduced to shape-memory polyurethane
Ayane Mori, Yoshimitsu Sagara
- OC0627 Synthesis of conductive polymer hydrogels using PEDOT:NBP
Mina Matsumoto, Haoxuan Guo, Hiroyuki Aota

- OC0628 Development of novel gel materials having both physical molecular constraints and chemical cross-links
Gen Kosaka, Takahiko Yasui, Nobuo Murase, Yuichi Ohya
- OC0629 Control of Thermo-Responsiveness of Acrylate Polymers Bearing Different Hydrogen-Bonded Groups
Shu Takeuchi, Koki Takasu, Natsuki Inaba, Keitaro Matsuoka, Kazuki Sada
- OC0630 Preparation of supramolecular hydrogels exhibiting mechano-responsive behavior by stretch-induced phase separation
Naoaki Ishihara, Akihide Sugawara, Yoshinori Takashima, Hiroshi Uyama
- OC0631 Synthesis of PVA/phenol red/chitosan hydrogel: Application to ammonia gas sensors
Ruofan Wang, Madoka Takai
- OC0632 Hybrid liquid crystal phases by Blending of Hetero-Main-Chain Liquid Crystal Polymers.
Shoichi KANAI, Shion DAIKUHARA, Yuno YOKOTA, Yuya ISHIZAKI, Mitsuo HARA, Takahiro SEKI, Shusaku NAGANO
- OC0633 Gel-gel phase separation behavior of clustered polymer hydrogels
Shohei Ishikawa, Takamasa Sakai
- OC0634 Dispersibility of magnetic particles and variable water retention properties by magnetic fields for magnetic dispersions
Rentarō Kanamori, Mako Endo, Mika Kawai, Tetsu Mitsumata
- OC0635 Astaxanthin-containing Polyurethanes: Synthesis, Mechanical Property and Antioxidant Activity
Maki Kanda, Hiromitsu Sogawa, Fumio Sanda
- OC0636 Thermal Conductivities in Highly Ordered Smectic Phases Formed by Binary Hetero-Mesogen Copolymers with Varied Spacer Lengths
Wakana UCHIYAMA, Yuya ISHIZAKI, Shusaku NAGANO
- OC0637 Formation of Superlattice Lamellar Structures by Blending of Hetero-Main-Chain Liquid Crystal Polymers.
Shion Daikuhara, Yuno Yokota, Yuya Ishizaki, Mitsuo Hara, Takahiro Seki, Shusaku Nagano
- OC0638 Preparation of Self-doped Conducting Polymer Monolayer and Multilayers and Current-Voltage Characteristics
Suzuki Kentaro, Yuya Ishizaki, Hirokazu Yano, Syusaku Nagano
- OC0639 Development of amphiphilic polymers that exhibit better hydrophilicity in water at higher concentration
Akira Takahashi, Shio Uebo, Hideyuki Otsuka
- OC0640 Synthesis of Slide-ring hydrogels with Self-healing function by Photo-crosslinking
Seiya Otani, Masatoshi Kidowaki
- OC0641 Emission behavior of tetraphenylethylene-based low-molecular-weight gelators
Haruka Inagaki, Kazuhiro Yabuuchi
- OC0642 Control of strain-induced crystallization in homogeneously crosslinked elastomers by introducing crystalline segments
Renan Sasaki, Naoko Yoshie, Shintaro Nakagawa
- OC0643 Design of zwitterionic triblock copolymer exhibiting UCST-type sol-gel transition under physiological conditions
Akifumi Kawamura, Ryogo Takahashi, Takashi Miyata
- OC0644 Relationship between Substituents and Liquid Crystal Formation in Side-Chain Liquid Crystal Polymers with Long Spacers
Satoshi Tanaka, Seiji Ujiie
- OC0645 Effect of the pNIPAM amount introduced into alginate on the change in shape of gel particles with temperature
Rikuto Ida, Masahiro Yamada, Daisuke Saeki, Yukihiisa Okumura

- OC0701 Transfer of porphyrins from polysaccharide complexes to liposomes and development of a quantitative method
Renju Sasaki, Keita Yamana, Riku Kawasaki, Atsushi Ikeda
- OC0702 Synthesis of cubic capsules by solvent-free seeded dispersion vapor phase coupling polymerization
Yuan Song, Ryuga Sakabe, Tomoyasu Hirai, Yoshinobu Nakamura, Yuya Oaki, Syuji Fujii
- OC0703 Light-harvesting mechanisms of the phase-segregated membrane having multilayer porphyrins circular array and their application developments.
Yoshito Murata, Teppei Akiyama, Sadayuki Asaoka
- OC0704 Development and Application of Cationic Supramolecular Nanosheets
Di Liu, Shuntaro Uenuma, Tomoya Iizuka, Tsuyoshi Takeshita, Kohzo Ito
- OC0705 Development of phenylboronic acid derivative-modified glycogen for intracellular protein delivery
Ryuji Yorioka, Riku Kawasaki, Atsushi Ikeda
- OC0706 Selective spectroscopic properties of porphyrin self-assembled laminate films to ammonia
Ryohei Shibata, Seung-Woo Lee
- OC0801 Elucidation of the Mechanism of "J-Shaped" Elongation Behavior of PMEA-Silica Elastomers
Karin ITO, Moe SAKSAMOTO, Kenji URAYAMA, Daichi NOZAKI, Yuki TOKUDOME, Yukikazu TAKEOKA
- OC0802 Ionic conductivity of polymeric liquid-coated nanoparticles with controlled vinyl-imidazole content under high-temperature and anhydrous conditions
Natsuki Netsu, Akito Masuhara
- OC0803 Creation and Evaluation of Fluorinated Hybrid Materials with Perfluoroalkylated POSS Fillers for Reducing the Refractive Index
Tatsuaki Kunimitsu, Masayuki Gon, Kazuo Tanaka
- OC0804 Development of high-performance antibacterial silica gel by sol-gel method.
Ryushin Akiba, Tetsu Mitsumata, Norio Tsubokawa, Takeshi Yamauchi
- OC0805 Easily dismantlable hot-melt adhesion using photothermal effect of lignin
Daiki Morimoto, Akihito Sugawara, Hiroshi Uyama
- OC0806 Fabrication of biocompatible and conductive hydrogel for improving the output of biofuel cells
Satoshi Noguchi, Issei Tanaka, Takehiro Sato, Tsukuru Masuda, Madoka Takai
- OC0901 Preparation of hydrogels containing nanorods and analysis of their bacterial adhesion properties
Saneyuki Kumada, Yuuki Hata, Takeshi Serizawa
- OC0902 Development of near infrared light melt adhesives filled with conjugated polymer
Shiori Iwasaki, Shunya Iwakaji, Kenshin Yamamoto, Masaru Kotera, Masashi Ishioka, Tomoyasu Hirai, Yoshinobu Nakamura, Syuji Fujii
- OC0903 Direct measurement of mechanical measurements of anionic and cationic polymer chains using laser trapping method
Ryoga Hori, Hideo Higuchi, Ken-ichi Shinohara
- OC0904 pH and magneto responsive gas marble
Takahiro Kadono, Tomoyasu Hirai, Yoshinobu Nakamura, Syuji Fujii
- OC0905 Durable Superhydrophobic Surfaces on 3D-Printed PLA Biomimetic Structures
Kengo MANABE
- OC0906 Synthesis of biodegradable multiblock polymers composed of oligoolefin and oligo(ethyl acrylate) and their adhesive properties
Shinnosuke Nishimura, Kosei Takahashi, Tomoyuki Koga
- OC0907 Super-oleophobicity of Polycarbonate Surfaces Created Using Fluorine-based Gels
Yutaro Ueno, Gong Jin

- OC0908 Development of Water-Soluble Alginate-Based Adhesives Containing Catechol Moieties: Effect of Gelation by Calcium Addition for Their Adhesive Properties
Gakuto Kitajima, Hiromitsu Sogawa, Fumio Sanda
- OC0909 Synthesis of cyclodextrin-modified alginate and its application to adhesive materials utilizing guest recognition ability
Satoko Kanatani, Hiromitsu Sogawa, Fumio Sanda, Yoshinori Takashima
- OC0910 Synthesis of aromatic polyesters with adhesion ability by cation- π interaction
Gaku Sugimoto, Taka-Aki Asoh
- OC0911 Preparation of Amphiphilic Multifunctional Siloxanes for Two-Dimensional Network Formation
Naoya Sewa, Yuki Irie, Tomoki Sato, Aki Kashiwazaki, Masaya Mitsuishi

D. BIOPOLYMERS AND BIORELATED POLYMERS

- OD0101 Development of micelle-forming disulfide compounds for promotion of oxidative protein folding under high protein concentration and discussion of their promotion mechanisms
Mai Kitamura, Tomohide Saio, Masaki Okumura, Takahiro Muraoka
- OD0102 Identification and Characterization of Peptides Exhibiting Affinity for a Homogeneous Oligomer with Uniform Monomer Sequence and Molecular Weight
Mayuko Furuichi, Hyu Murakami, Toshiki Sawada, Yu Hoshino, Takeshi Serizawa
- OD0103 Aqueous Solutions by form of Poly-L-Lysine-porphyrin derivative complex and Evaluate their Photodynamic activity.
Yusuke Egashira, Nanami Kono, Kiyofumi Katagiri, Naoki Tarutani, Keita Yamana, Riku Kawasaki, Atsushi Ikeda
- OD0104 Pseudo-Polyrotaxane Nanosheet for the Enzyme Carrier
Tomoya Iizuka, Shuntaro Uenuma, Kohzo Ito
- OD0105 Effects of Temperature and Silk Fibroin Concentration on the Structural Transition of Liquid Silk under Pressure
Yuri Nakamura, Yuka Kiyota, Yu Suzuki
- OD0301 Polymerization behavior by ATRP on chitosan derivatives
Hiroki Nagasawa, Tetsuya Huruike
- OD0302 Preparation and characterization of hydrogels by crosslinking carbamate-modified chitosan
Yutori Katayama, Mariko Saito, Tetsuya Furuike
- OD0303 Self-Assembly of Cello-oligosaccharides into Gels with Higher Transparency under Alkaline Conditions
Mahiro Tashiro, Yuuki Hata, Toshiki Sawada, Takeshi Serizawa
- OD0304 Controlled Assembly of Hexylated Cello-oligosaccharides by Temperature during Their Enzymatic Synthesis
Ryosuke Hokimoto, Yuuki Hata, Takeshi Serizawa
- OD0305 Wound healing effects of chitosan-micelles hybrid gel sheets -evaluation using circular resection wounds in rat-
Ryosuke Wakao, Ryo Tsuboi, Kenta Owaku, Tomoaki Murakami, Yoshihiko Murakami
- OD0306 Development of a hyaluronic acid-micelles hybrid gel for the application to anti-adhesion materials
Takashi Shimomura, Yoshihiko Murakami
- OD0307 Development of polysaccharide gels for tissue adhesives
Taku Neoi, Yoshihiko Murakami
- OD0308 Synthesis of $\beta(1\rightarrow3)$ -Linked New Unnatural Aminopolysaccharides by β -1,3-Glucan Phosphorylase-Catalyzed Enzymatic Polymerization
Hayato Ishii, Tao Takagaki, Masayasu Totani, Jun-ichi Kadokawa

- OD0309 Application of Polysaccharide-Porphyrin Nanocomposites as Photoacoustic
Theranostic Materials
Seiya Fujita, Riku Omokawa, Riku Kawasaki, Risako Miura, Teruyuki
Kondo, Atsushi Ikeda
- OD0310 Preparation of chitosan beads with alginate complexed to the surface and
investigation as pH-responsive protein carriers
Takumi Morita, Shokyoku Kanaoka, Satoshi Tanimoto
- OD0311 Synthesis and microphase-separated structure of oligosaccharide-based block
co-oligomers
Kokoro Ishikawa, Taiki Nishimura, Ryosuke Nunokawa, Yu Oishi, Li Feng, Takuya
Yamamoto, Kenji Tajima, Takuya Isono, Toshifumi Satoh
- OD0312 Fabrication of all-chitin composites by double crystalline blend approach and
their cell adhesion property
Masayasu Totani, Yuko Tanihata, Yusuke Egi, Hiroyuki Shinchi, Jun-ichi
Kadokawa
- OD0401 Interaction behavior between polymeric carriers having diol groups and
benzoxaborole-based drugs
Ryo Chiba, Daigo Sawayanagi, Yumika Unno, Sayuki Iwai, Kota Katsube, Yohei
Kotsuchibashi
- OD0402 Creation of Artificial Membrane Proteins with Catalytic and Channel activities
and their Intracellular functions
Chieri Inada, Tomoki Nishimura
- OD0403 Evaluation of upconversion in cholesterol-containing liposomes
Tomohito Nakayama, Hideki Kawai
- OD0404 Application of nanoparticles carrying boron and immune checkpoint inhibitors
(ICIs) for the treatment of metastatic cancer
Yamato Miura, Riku Kawasaki, Keita Yamana, Minoru Suzuki, Yu Sanada, Takeshi
Nagasaki, Ryosuke Mizuta, Yoshihiro Sasaki, Kazunari Akiyoshi, Atushi Ikeda
- OD0405 Development of Robust and Easily Functionalized Lipid-Crosslinked Liposomes
Kouki Fujihara, Keita Yamana, Riku Kawasaki, Atsushi Ikeda
- OD0406 Monte Carlo simulation of vesicle shape on the substrate using triangular mesh
as a model of vesicle
Rikano Yanai, Naohito Urakami
- OD0407 Development of a photoresponsive self-assembling peptide for three-dimensional
micropatterning of viruses
Atsuya Yaguchi, Noriyuki Uchida, Takahiro Muraoka
- OD0408 Preparation of polyion complex micelles containing bone osteogenic drugs.
Ryoko II, Taichi FUKUMORI, Shohei SHIOMOTO, Syuuhei KOMATSU, Yoshitsugu
AKIYAMA, Akihiko KIKUCHI
- OD0409 Preparation of L-Serine-modified nanoparticles having different surface
functionalities.
Erika KAWAI, Chinatsu OTSUKA, Shohei SHIOMOTO, Yoshitsugu
AKIYAMA, Akihiko KIKUCHI
- OD0501 Preparation of stimuli responsive nanopillar hydrogels and their applications as
coating materials for self-disinfectant medical devices.
Rui Ikeda, Yohei Kotsuchibashi
- OD0502 Fabrication of Phosphoserine-grafted Dextran Capable of Co-aggregating Tumor-
Associated Macrophages and Cancer Cells
Reina Funatomi, Ryoto Itani, Kazuki Yoshida, Kenta Homma, Michiya Matsusaki
- OD0503 Development of Transient Hydrogel with Programmable Lifetime Driven by
Enzymatic Dephosphorylation and Application to Drug Release System
Ryo Sekiya, Masahiko Nakamoto, Michiya Matsusaki
- OD0504 Crystallization Control of Dps Protein Using Self-Assembling Peptides"
Mitsuhiro Okuda, Gabriela Pretre

- OD0601 Simple modification of cationic copolymers into the surface of artificial blood vessels
Takato Miyashita, Akihiro Saito, Masato Mutsuga, Aika Yamawaki-Ogata, Yuji Narita, Yohei Kotsuchibashi
- OD0602 Simple modification of antibacterial polymers into the surface of fibers
Riku Suzuki, Akihiro Saito, Masato Mutsuga, Aika Yamawaki-Ogata, Yuji Narita, Yohei Kotsuchibashi
- OD0603 Development of tetraPEG-micelle hybrid gels for the application to tissue-adhesive materials
Kazuki Nakasone, Yoshihiko Murakami
- OD0604 Development of temperature-responsive injectable polymers forming covalent cross-linked hydrogel upon mixing with blood
Hiromi Goto, Yuki Miyaji, Nobuo Murase, Yuichi Ohya
- OD0605 Relationship between the molecular structure and gelation concentration of injectable polymers
Hiroyuki Imai, Natsumi Sugishima, Yuki Syoda, Nobuo Murase, Yuichi Ohya
- OD0606 Self-assembled surface design for sensitive and selective detection of mucin glycoproteins
Yuto Saruwatari, Seung-Woo Lee
- OD0607 In vivo power generation test of zwitterionic hydrogel based implantable enzymatic biofuel cell
Takehiro Sato, Yuya Fukui, Issei Tanaka, Yixuan Huang, Madoka Takai
- OD0608 Development of Hydrogels Using PMEA Derivatives with Enhanced Mechanical Properties and Blood Compatibility
Kaede Gotou, Ayumi Hamada, Ken Kojio, Iksung Cho, Masaru Tanaka
- OD0701 Intracellular delivery of sulfobetaine polymers with hydrophobic segments synthesized by solid-state polymerization
Naoki Doi, Hiroya Ishizuka, Tsukasa Ide, Yamauchi Yukinori, Yasushi Sasai, Masayuki Kuzuya, Shin-ichi Kondo
- OD0702 Design of a biocompatible bottlebrush for highly efficient intracellular delivery of camptothecin into cancer cells
Hikaru Nishimura, Naoki Doi, Kazumi Hirata, Yamauchi Yukinori, Yasushi Sasai, Masayuki Kuzuya, Shin-ichi Kondo
- OD0703 Development of ultra-low-density porous polysaccharides carriers by using spontaneous emulsification: Control of physical properties for pulmonary DDS
Momoha Tachibana, Yoshihiko Murakami
- OD0704 Development of porous sheets with sustained drug releases by using spontaneous emulsification
Chizuna Mitsui, Yoshihiko Murakami
- OD0705 Selective and efficient delivery systems for photosensitisers to tumors and their application in photodynamic therapy
Kotaro Nishimura, Ayano Oshige, Nanami Kono, Haruko Takahashi, Keita Yamana, Riku Kawasaki, Atsushi Ikeda
- OD0706 Preparation of HA-OVA conjugate for antigenic modification of cancer cells and evaluation of immune response
MOMONA OTA, SYOYA ITO, SHINICHI MOCHIZUKI
- OD0707 Creating of One-Dimensional Graft Copolymer Assemblies Targeting Amino Acid Transporters and Their Cancer Treatment Applications
Jokichi Fukushima, Shota Fujii, Tomoki Nishimura
- OD0708 Development of supramolecular complex of carborane with cyclodextrin oligomer as a boron agent for BNCT
Taiki Saitou, Riku Kawasaki, Noriko Miyamoto, Kazuo Sakurai, Yu Sanada, Minoru Suzuki, Yoshihide Hattori, Mitsunori Kirihaata, Takeshi Nagasaki, Keita Yamana, Atsushi Ikeda

- OD0709 Development of Hyaluronic Acid-Based Nucleic Acid Delivery Technology for Antigen Presentation to Cancer Cells -Evaluation of Response Using Double-Stranded RNA-
Ryoku Tanimoto, Masashi Umeda, Shinichi Mochizuki
- OD0710 The Evaluation of Salt Concentration-Dependent Assembly Formation and Immune-Stimulating Activity of CpG-DNA D35
JINGTING YU, Daichi Muku, Shinichi Mochizuki
- OD0711 Antigenic modification of cancer cells by hyaluronic acid-antigen conjugates
Aki Kakinami, Sayaka Oitate, Shinichi Mochizuki
- OD0712 Evaluation of Anticancer Activity of DNA Origami Dendrimer Modified with Microtubule-Binding Anticancer Drug
Motoki Nagayoshi, Hiroya Kurimoto, Tsuyoshi Matsuyama, Akinori Kuzuya
- OD0713 Drug delivery through the pericardium using biodegradable polyion complex membranes
Haruna Horiguchi, Yamato Fujita, Nobuo Murase, Shinji Takai, Yuichi OHYA
- OD0714 Cellular delivery of nucleic acids using polysaccharide-coated charged micelles
Yuichi Kuwano, Takuma Katou, Kengo Suzuki, Nobuo Murase, Akira Asai, Yuichi Ohya
- OD0801 Development of supramolecular hydrogel using exosomes as cross-linking points and Achilles tendon regeneration
Nanami Kono, Riku Kawasaki, Yimti Dilimurati, Shigeru Miyaki, Ayano Oshige, Keita Yamana, Atsushi Ikeda
- OD0802 Preparation of κ -carrageenan gel beads carrying osteoblasts on the surface
Fuka GOTO, Shota TSUKADA, Shohei SHIOMOTO, Syuuhei KOMATSU, Akihiko KIKUCHI
- OD0803 Three-dimensional cell culture using artificial protein hydrogels
Ayae Narutaki, Yuki Hirano
- OD0804 Cell culturing at ionic liquid interface
Takeshi UEKI, Jun NAKANISHI

E. POLYMERS AND ENVIRONMENT

- OE0101 Development of Chemically Recyclable Polyacetals by Cationic Ring-Opening Copolymerization of 1,3-Dioxolane and Cellulose-Derived Acetal
Takayuki Nagai, Yuto Kakehi, Feng Li, Takuya Yamamoto, Kenji Tajima, Takuya Isono, Toshifumi Satoh
- OE0102 Synthesis and Degradation of Bio-based Polymers Containing Sugar-based Acetals
Aito Nakano, Hiromitsu Sogawa, Fumio Sanda
- OE0103 Properties and structure of regenerated heavy-chain silk fibroin fibers spun by wet spinning
Ikuya Shibata, Yasuo Gotoh, Kenjiro Yazawa
- OE0104 Synthesis and evaluation of crosslinked polyisoprene with controlled network structure derived from natural rubber
Amane Tamaki, Dian Zhang, Shintaro Nakagawa, Naoko Yoshie
- OE0105 Moso Bamboo Liquefaction and Its Application in Polyurethane Film Synthesis
Ruozhu Wang, Yoshito Andou
- OE0106 Surface Functionalization of Zinc Oxide Nanoparticle and Development of High Performance Polymer Composites
Haruka NAKAGAWA, Kohei IRITANI
- OE0107 Reprocessable Crosslinked Polymer: Design of Diels-Alder Adducts and Rheological Behavior
Ryunosuke Tanaami, Kenichi Oyaizu, Takeo Suga
- OE0108 Development of phenolic resin using "modified lignin," a new forest-derived material

- Hajime Kimura, Tomohiro Shimokawaji, Morio Yonekawa, Yasunori Ohashi, Yusuke Matsumoto, Laszlo Szabo, Nge Thi Thi, Tatsuhiko Yamada
- OE0109 Adhesive properties of methacryl modified Glycol-Lignins
Mio Takamura, Ryoma Amanuma, Ayumi Kobayashi, Kohei Iritani, Naoya Otsuki, Nge Thi Thi, Tatsuhiko Yamada, Takashi Yamashita
- OE0110 Quantitative characterization of modified lignin using solid-state NMR spectroscopy
Haruka Yukisada, Kentaro Hiratsuka, Keichi Noguchi, Jun Ashida, Toshiyo Kato, Kazuhiro Shikinaka, Yasuyuki Matsushita, Yuichiro Otsuka, Yoichi Tominaga
- OE0111 Enhancement of Antioxidant Property of Various Types of Lignins by their Structural modification and their Application to Antioxidant Resins
Yumemi Ishigaki, Kohei Iritani, Ryoma Amanuma, Ayumi Kobayashi, Misato Kashiba, Wataru Okumura, Hiroki Nishiyama, Kenji Tamura, Thi Thi Nge, Tatsuhiko Yamada, Takashi Yamashita
- OE0112 Effect on reaction conditions for introduction of polymerization initiation sites into simultaneous enzymatic saccharification and comminution lignin
Kentaro Hiratsuka, Haruka Yukisada, Nantapat Soontornnon, Kento Kimura, Kazuhiro Shikinaka, Yuichiro Otsuka, Yoichi Tominaga
- OE0113 Elucidation of the Luminescence Mechanism of Glycol-Lignin
Akichika Watanabe, Ryoma Amanuma, Ayumi Kobayashi, Kohei Iritani, Thi Thi Nge, Tatsuhiko Yamada, Takashi Yamashita
- OE0114 Hydrogen Peroxide Generation Behavior Utilizing Glycol-Lignin as a Photocatalyst
Seiya Inada, Ryoma Amanuma, Ayumi Kobayashi, Kohei Iritani, Nge Thi Thi, Tatsuhiko Yamada, Akio Fujisawa, Takashi Yamashita
- OE0115 Development and characterization of the lignin-based polyurethane foams
Ryoma Amanuma, Itsuki Yamazaki, Ayumi Kobayashi, Kohei Iritani, Nge Thi Thi, Tatsuhiko Yamada, Takashi Yamashita
- OE0116 Development of Ionic Crosslinking Utilizing Lignin sulfonate and Effect of Composite with PEG Derivatives
Taiga Miyamasu, Mirai Nireki, Ryoma Amanuma, Ayumi Kobayashi, Kohei Iritani, Takashi Yamashita
- OE0117 Solution spinning of cellulose dopes using various imidazolium ionic liquid solvents and the structure, properties of the obtained fibers
Mayu Sadakane, Yasuo Gotoh
- OE0118 Electric Conduction Mechanism for Aqueous Solutions of TEMPO-oxidized cellulose nanofibers
Rentaro Kanamori, Kaito Watanabe, Yoshifumi Yamagata, Keisuke Miyamoto, Mika Kawai, Tetsu Mitsumata
- OE0119 Synthesis and characterization of alpha-1,3-glucan-graft-poly(L-lactide) copolymers exhibiting controllable seawater biodegradability and thermoplasticity
Zhengyu Su, Jin Ho Seok, Satoshi Kimura, Tadahisa Iwata
- OE0120 Preparation and evaluating mechanical properties of melt-spun fibers using paramylon triacetate
Shungo Noguchi, Taizo Kabe, Tadahisa Iwata
- OE0121 Evaluation of the thermal and mechanical properties of paramylon acetate hexanoate for fiber applications
Misaki Tonsho, Mai Mizubayashi, Taizo Kabe, Yukiko Enomoto, Tadahisa Iwata
- OE0122 Effect of post-drawing on high-strength polycaprolactone fibers and degradation tests
Asuka Tanimoto, Taizo Kabe, Tadahisa Iwata
- OE0123 Functionalization of supramolecular materials by incorporation of poly(ϵ -caprolactone)

Akihide Sugawara, Sota Nakagawa, Yudai Ioku, Junsu Park, Ryohei Ikura, Yoshinori Takashima, Hiroshi Uyama

- OE0124 Improvement of Marine Biodegradability of Polycaprolactone through Incorporation of Hagfish Exudate Threads
Aoi Ichinoseki, Koki Suzuki, Toshiya Yamasaki, Koh Yoshida, Jin Gong, Hiroshi Ito
- OE0125 Control of marine degradability of poly(ϵ -caprolactone) films based on mixing with hyperbranched polymers
Ryo Kawamoto, Hironori Taguchi, Takako Kikuchi, Hirofumi Hinata, Shotaro Nishitsuji, Hiroshi Ito, Hisao Matsuno
- OE0126 Evaluation of the Higher-Order Structure and Properties of Biodegradable Polymers for Application to Polymer coated slow/controlled release granular fertilizers
Taichi Hojo, Yoshiyuki Suetsugu, Yutaka Kobayashi, Hiroshi Ito
- OE0127 Molecular design of polyamide materials for mild chemical recycling using enzymes
Kousuke Tsuchiya
- OE0201 Development of zwitterionic polypeptides for hydrogen bond cleavage in plant cell wall
Risa Naka, Kayo Terada, Hiroyasu Masunaga, Kousuke Tsuchiya, Keiji Numata
- OE0202 Feedstock Recovery from Polyether Polyurethane Foam via Hydrolysis with Carbonated Water
Yusei Mito, Suguru Motokucho, Daijiro Shirakura, Shohei Morikawa, Yoshihiko Oniki, Anh T.N. Dao, Hisayuki Nakatani
- OE0203 Recycling of Polyether urethane Elastomer by Hydrolysis Using Carbonated Water
Yusei Mito, Suguru Motokucho, Anh T.N. Dao, Hisayuki Nakatani
- OE0204 Upcycling of polyolefins using the blue carbon mechanism of diatoms
Iki Juno, Shuma Matsushita, Suguru Motokucho, Anh Thi Ngoc DAO, Shigenobu Miura, V. Josyula Kanth, Hisayuki Nakatani
- OE0301 Solid-State Synthesis of Optically Active Polyaromatic Schiff base
Hiroya Endo, Hiromitsu Sogawa, Fumio Sanda
- OE0302 Synthesis and degradability characterization of new sulfur-containing polymers from waste sulfur and dihalogenated alkenes
Ryunosuke Kamioka, Yuichiro Kobayashi, Hiroyasu Yamaguchi
- OE0303 Lignin as a photocatalyst for CO₂ reduction
Kaede Tachikawa, Ryoma Amanuma, Ayumi Kobayashi, Thi Thi Nge, Tatsuhiko Yamada, Kohei Iritani, Tatsuki Morimoto, Kenji Hara, Takashi Yamashita
- OE0401 Glass transition temperature prediction of polycarbonate using fluorescence fingerprint data
Shunsuke Mori, Jun Horigome, Hiroyuki Suzuki
- OE0402 Developing a method to create models of polyethylene nanoplastics that help assess environmental impact
Mika Asano, Sakamoto Masaki, Suguru Motokucho, Anh Thi Ngoc DAO, Hee-Jin Kim, Mitsuharu Yagi, Hisayuki Nakatani
- OE0501 Adaptive weighted ensemble machine-learning prediction of recycled plastic performance using analytical data
Hiroyuki Suzuki, Tomoe Nishimura, Shunsuke Mori, Hiroki Nakatsuchi
- OE0502 Decomposition of micro-patterned poly(vinyl alcohol)-based films and the shapes of generated microplastics due to the oxidizing environment.
Daigo Sawayanagi, Haruki Uchida, youhei Kotsuchibashi

F. INDUSTRIAL POLYMERS AND TECHNOLOGY

- OF0201 Enhancement method of the paper strengths by cellulose nanofiber composite photocurable resin
Takeshi ONJI,Kazuaki Katagiri,Naoya Harada,Sonomi Kawakita
- OF0202 Fracture behavior for Paper Sheets Immersed in Carboxymethyl Cellulose Aqueous Solutions
Rentaro Kanamori,Junya Kobayashi,Joon Yang Kim,Mika Kawai,Tetsu Mitsumata
- OF0203 Blue/yellow color-changing pH-responsive nylon film
Kajiya Daisuke
- OF0301 Investigation of the introduction of semi-interpenetrating polymer network structure into acid-anhydride-cured epoxy resins
Yuka Sasaki,Hiroyuki Maekawa,Toshiyuki Oyama
- OF0401 Study on Enhanced Thermal Stability of Polymeric Materials by Heterole Derivatives
Hibiki Saito,Ryoyu Hifumi,Ikuyoshi Tomita
- OF0402 Verification of Meandering Motion of Connected-typed Semi-bellows Tube
Tomoya Yamashita,Yuya Sumi,Hiroshi Endo
- OF0403 Consideration of Pneumatic Drive Triangular-shaped Connecting Structure Based on Chiral Rotation and Opening/closing Mechanism
Koya Takahashi,Syo Kazuguchi,Hiroshi Endo
- OF0701 Preparation and Swimming Behavior of Jellyfish-Inspired Soft Robot
Shinto Ogawa,Yuki Honda,Hiroshi Endo