

November 11, Room C, Structure

Number	Title	Name
P1c	Zwitterionic Low-Molecular-Weight Gelator based on L-Lysine	Masahiro Suzuki
P2c	STRUCTURE HYDROGEL OF SELF-ASSEMBLED SYNTHETIC POLYPEPTIDE	Eri Ito
P3c	Studies on Gelation Kinetics and Elasticity-Structure Relationship of Model Polymer Networks	Kengo Nishi
P4c	GELATION AND CROSS-LINK INHOMOGENEITY OF PHENOLIC RESINS: A SANS AND SAXS STUDY	Atsushi Izumi
P5c	MICROTUBULE TEARDROP PATTERNING AND THE GROWTH PROCESS	Kosuke Okeyoshi
P6c	High Performance, Degradable Bio-based polymer from 4-Aminocinnamic acid	Seiji Tateyama
P7c	COLLAPSE OF THERMOSENSITIVE POLYELECTROLYTE HYDROGELS: RESWELLING PROPERTIES	Elena Yu. Kozhunova
P8c	SANS study of Static structure of Double-Network polymers	Taiki Tominaga
P9c	Thermo- and Photo-Sensitive Ion-Gel Using Tetra-Arm Diblock Copolymer Containing Azobenzene Group	Xiaofeng Ma
P10c	PHASE-SEPARATED MOLECULAR ASSEMBLIES FROM AMPHIPHILIC POLYPEPTIDES HAVING HELICAL HYDROPHOBIC BLOCK	Motoki UEDA
P11c	Temperature and pH Responsive Block Copolymer Showing Double or Triple Transitions	Zulma Jimenez
P12c	DEVELOPMENT OF WATER-SOLUBLE CONJUGATED POLYMERS FOR ORGANIC PHOTOVOLTAICS USING AN AQUEOUS PROCESS	Pan HE
P13c	Electrospinning Polysaccharide Nanogel Hybrid Fibers for Tissue Engineering	Asako Shimoda
P14c	PHOTOINDUCED INVERSION OF LIQUID-CRYSTALLINE HELICAL STRUCTURES USING MOLECULAR TWISTING MOTIONS	Masuki Kawamoto
P15c	Preparation and mechanical properties of supramolecular elastomers via metal-ligand coordination and hydrogen bonding	Mikihiro Hayashi
P16c	Nanogel-based Materials: Controlling Structure and Physical properties	Sada-atsu Mukai
P17c	MULLINS EFFECT IN VISCOELASTIC FIBRIN NETWORKS	Nicholas Agung Kurniawan
P18c	RHEOLOGICAL AND THERMAL ANALYSES OF STRUCTURE FORMATION IN POVAL SOLUTION DURING ITS FREEZING-THAWING GELLATION PROCESS	Yoshimi Seida
P19c	Network Structure of Epoxy Resin in Early Stage of Gelation	Naoki Sakamoto
P20c	Dynamics of Nanohybrid Hydrogels Studied by Dynamic Light Scattering: Effects of Chemical and Physical Cross-links	Tetsuharu Narita
P21c	Sticky Rouse mode of chemically and physically cross-linked hydrogels studied by DWS-based microrheology	Tetsuharu Narita
P22c	One-Step Assembly of Metal-Polyphenol Network Films	Hiroataka Ejima
P23c	Fracture Behavior of Polymer Gels	Yuki Akagi
P24c	High Frequency Dynamics of a Liquid Crystalline, Cyanobacterial, Sulfated Polysaccharide Studied by DLS/DWS Microrheology	Tetsuharu Narita
P25c	A METAL-ION-RESPONSIVE ADHESIVE HYDROGEL VIA SWITCHING OF MOLECULAR RECOGNITION PROPERTIES	Takashi Nakamura
P26c	PHOTORESPONSIVE SUPRAMOLECULAR ACTUATOR FORMED BY HOST-GUEST INTERACTIONS	Yoshinori Takashima
P27c	Self-assembled nanogels of chitosan and its hydrophobic derivatives	Olga Philippova
P28c	Linking Protein-Chitin Interactions to Physical Properties in Beetle Elytral Cuticle, A Multicomponent Biomaterial	Stevin H. Gehrke

November 12, Room D, Synthesis and Application

Number	Title	Name
P1d	POLYMERIZATION INDUCED INHOMOGENEITY OF THERMOSETTING POLYMER	Toshio Nakao
P2d	Optical cell separation with photodegradable hydrogels from three-dimensional environment for pure culture techniques	Masato Tamura
P3d	Activated-ester-type photocleavable crosslinker for preparing micropatterned photodegradable hydrogel	Fumiki Yanagawa
P4d	LARGE SCALE ATOMISTIC MOLECULAR DYNAMICS SIMULATIONS OF PHENOLIC RESINS USING LAMMPS	Yasuyuki Shudo
P5d	SYNTHESIS AND STIMULI RESPONSIBILITY OF SPIROPYRAN-CONTAINING MICROGELS	Atsushi Kameyama
P6d	TUNING THE BINDING PROPERTIES OF SALT RECEPTOR THROUGH EMBEDDING IN A POLYMERIC SYSTEM	Jan Romanski
P7d	Gel synthesis with trithiocarbonate RAFT agents: "growing cross linker" and "end-crosslinking"	Shohei Ida
P8d	Functional Hybrid Materials Based on Thermosensitive Microgels	Yan Lu
P9d	Fabrication of hydrogel actuators by painting and adhesion of micro-gels	Taka-Aki Asoh
P10d	Bottom-up Approach for Micro-scale Drug Delivery: Nanogel-Crosslinked Microsphere	Yoshiro Tahara
P11d	VERTICALLY ALIGNED SILICON NANOPILLARS AS A BIO-MIMETIC MATRIX FOR A COMPLEX BIOMOLECULE DELIVERY SYSTEM	Baiju Govindan Nair
P12d	Synthesis of pH- and Redox-Responsive Gel Particles by Surfactant-Free Emulsion Polymerization	Akifumi Kawamura
P13d	PHOTOIMMOBILIZATION OF GROWTH FACTORS AND ITS APPLICATIONS USING PHOTOREACTIVE GELATIN	Ponnurengam Malliappan Sivakumar
P14d	Biodegradable Hydrogels Made of DNA-PEG-DNA Tri-block Copolymers	Akinori Kuzuya
P15d	Tough double network ion-gel films for CO ₂ separation under high pressure conditions	Eiji Kamio
P16d	CO ₂ SEPARATION PROPERTIES OF TETRA-ARMED POLY(ETHYLENE GLYCOL) ION GEL	Takashi Makino
P17d	Chemoenzymatic synthesis of peptide-nylon copolymer aimed for thermally-processed peptide materials	Kenjiro Yazawa
P18d	Rationally-Designed Peptides For Mitochondrial-Targeted Gene Delivery	Jo-Ann Chuah
P19d	CHEMO-ENZYMATIC SYNTHESIS OF FUNCTIONAL CATIONIC PEPTIDES FOR GENE TRANSFECTION	Jose Manuel Ageitos
P20d	MILD OXIDATIVE CROSS-LINKING OF THIOMERS FOR PEPTIDE DRUG DELIVERY	Jurgen Groll
P21d	ALTERNATING COPOLYMER-SILICA HYBRIDS FOR MOLECULAR RECOGNITION	Abul K. Mallik
P22d	Fluctuation driven height reduction of cross-linked polymer brushes: A Monte Carlo study	Michael Lang
P23d	Preparation of MNP-PDMS Magnetoelastomers: Myths, Obstacles, and Observations	Moshe Gottlieb
P24d	Studies on Preparation and Properties of Thermosensitive Biodegradable Hydrogels with N,N'-bisacrylylcystamine	Wen-Fu Lee
P25d	HIGH-PERFORMANCE BIOPLASTICS FROM RENEWABLE ITACONIC ACID WITH ENTANGLED HYPERBRANCHING CHAINS	Mohammad Asif Ali

November 12, Room C, Structure

Number	Title	Name
PST1c	Structure Study on Amphiphilic Ideal Co-network Gel	Takashi Hiroi
PST2c	Electrophoretic Mobility of Double-Stranded DNA in Polymer Solutions and Gels with Tuned Structures	Xiang Li

PST3c	Effect of Swelling/Deswelling on Mechanical properties of Polymer Gels	Takuya Katashima
PST4c	Mechanical Properties of Homogeneous Amphiphilic Co-networks	Shinji Kondo
PST5c	High energy X-ray diffraction and MD simulation study on microscopic solvation structure of cellulose dissolved in ionic liquid	Kazu HiroSawa
PST6c	WATER-IN-IONIC LIQUID REVERSE MICELLE FORMATION IN SOLVENT MIXTURE OF PROTIC AND APROTIC IONIC LIQUIDS	Takumi Kusano
PST7c	Modification of self-oscillating polymer on porous glass substrate	Kenta Homma
PST8c	EFFECTS OF POLYMER PHYSICS ON MACROSCOPIC BEHAVIOUR OF SUPRAMOLECULAR POLYMER NETWORKS	Cindy Soo Yun Tan
PST9c	Simulation of polymer aggregation in food gel	Ryota Shimada
PST10c	Controlling superstructure of rigid polyelectrolytes in oppositely charged hydrogels via programmed internal stress	Riku Takahashi
PST11c	INTERNAL MICROSCOPIC STRUCTURES OF THERMOSENSITIVE HYDROGEL PARTICLES	Takuma Kureha
PST12c	Internal Structure of Self-Oscillating Microgels Investigated by Small-angle X-ray Scattering	Shusuke Matsui
PST13c	ELECTROPHORETIC MOBILITY OF SHORT DOUBLE-STRANDED DNA IN POLYMER GELS WITH CONTROLLED CONNECTIVITY AND CHARGE DENSITY	Kateryna Khairulina
PST14c	Structural analysis of lipophilic polyelectrolyte gels in non-polar solvents	Saki Tochioka
PST15c	Self-oscillating vesicles: spontaneous cyclic structural changes of synthetic diblock copolymers	Ryota Tamate
PST16c	STUDY ON STRUCTURE OF VITAMIN E CONTAINING POLYMER SURFACTANT	Junji Matsuoka
PST17c	INFURUENCE OF THE SURFACE STRUCTURE OF MICROGELS ON ADSORBING AT THE AIR/WATER INTERFACE	Koji Horigome
PST18c	Time Dependent Deformation of Tough Polyampholyte Hydrogels	Sadia Nazneen Karobi
PST19c	Developing anisotropic tough hydrogel from swim bladder collagen	Md. Tariful Islam Mredha
PST20c	"NONSWELLABLE" HYDROGEL WITH HIGHLY ELASTIC DEFORMABILITY	Hiroyuki Kamata
PST21c	SELF-HEALING POLYACRYLIC ACID HYDROGELS: EFFECT OF SURFACTANT	Umit Gulyuz
PST22c	Watch internal fracture of double network hydrogels by chemical reactions	Takahiro Matsuda
PST23c	Self-oscillating polymer brushes: evaluation of the dynamic properties	Tsukuru Masuda
PST24c	Thermo-reversible ion-gels based on LCST self-assembly of triblock copolymers in an ionic liquid	Yuzo Kitazawa
PST25c	BZ reaction using protic ionic liquids and development of ionic liquid type self-oscillating gel	Ko Matsukawa
PST26c	Design of multiblock copolymers and autonomous viscoelastic oscillation of the solution	Michika Onoda
PST27c	HIGHLY CONDUCTIVE PEDOT/PSS NANOGELS	Tatsuhiko Horii
PST28c	SUPRAMOLECULAR HYDROGELS VIA CUCURBIT[8]URIL TERNARY COMPLEXATION FOR DELIVERY APPLICATIONS	Rebecca A. Forster
PST29c	PHYSICAL PROPERTIES OF TEMPERATURE-RESPONSIVE HYDROGEL SYNTHESIZED BY ATOM TRANSFER RADICAL POLYMERIZATION	Chisa Norioka
PST30c	Fabrication of Wheat Gluten/Chitosan/Graphene Oxide Biodegradable Nanocomposite Membranes	Dan Bi Lee
PST31c	pH- and Sugar- Responsive Gel Assemblies Basad on Reversible Covalent Bonds between Boronate and Catechol	Shoko Mori
PST32c	Adhesion of Gels and Substrates using Suzuki-Miyaura Cross Coupling Reaction at the Interface	Tomoko Sekine
PST33c	Structural Study on Ovalbumin Gels in the Presence of N-terminal Amphiphilic Region	Yuya Okazumi
PST34c	Preparation of Supramolecular Hydrogel Composed of [c2]Rotaxane Dimer.	Kazuhisa Iwaso

PST35c	GROWTH FACTOR FREE POROUS ADHESIVE FILMS PREPARED BY HYDROPHOBICALLY MODIFIED GELATIN FACILITATING ANGIOGENESIS	Keiko Yoshizawa
PST36c	Design of thermoassociating copolymers for aqueous-based formulations	Hui Guo
PST37c	Anomalous Anisotropic Thermoresponse of NIPAM-based Hydrogels Doped with Uniformly Aligned Inorganic Nanosheets	Younsoo KIM
PST38c	Triple Shape Memory Materials Incorporating Two Distinct Polymer Networks Formed by Selective Thiol-Michael Addition Reactions	Shunsuke Chatani
PST39c	Freezing-Induced Mechanochromism in Polymer Gels Cross-Linked by Diarylbibenzofuranone-Based Dynamic Covalent Bonds	Keiichi Imato
PST40c	ADSORPTION PROPERTIES OF CATIONS AND ANIONS BY ZWITTERIONIC SULFOBETAINE GELS	Eva Oktavia Ningrum

November 11, Room D, Synthesis and Application

Number	Title	Name
PST1d	Supramolecular hydrogels of cucurbit[8]uril and their application to drug delivery	Matthew J. Rowland
PST2d	Gelation kinetics of Tetra-PEG gel in ionic liquid	Kei Hashimoto
PST3d	Preparation of redox-responsive micro-gel particles composed of three-armed oligo(ethylene glycol) for immobilization and release of protein	Koya Yamawaki
PST4d	Incorporation of Graphene Oxide to pH-responsive Hydrogel for Rapid Adsorption-desorption of Nanoparticles on Patterned Hydrogel Surface	Ji Ho JANG
PST5d	Hydrophobic interaction-mediated reversible adsorption-desorption of nanoparticles in the honeycomb-patterned thermoresponsive poly(N-isopropylamide) hydrogel surface	Jin Kyung Kim
PST6d	HIGH EFFICIENT DIFFERENTIATION OF CELLS IN STIFFNESS TUNABLE PHOSPHOLIPID POLYMER HYDROGEL	Haruka Oda
PST7d	Effect of UV-induced Graft Polymerization of Acrylic Acid on Plasma Treated Thermoplastic Polyurethane Nonwoven for Immobilizing Chitosan	Chen,Wen-Yi
PST8d	Photo-healable Ion-gels Utilizing Photo-induced Self-assembly Change of Triblock Copolymers in Ionic Liquids	Ryoji Usui
PST9d	Fabrication of Tubular Self-Oscillating Gels with Intestine-Like Peristaltic Motion and Their Autonomous Transport Function	Yusuke Shiraki
PST10d	DIRECT INTRODUCTION OF ROTAXANE CROSS-LINK INTO POLYMERS USING MACROMOLECULAR [2]ROTAXANE CROSS-LINKERS	Jun Sawada
PST11d	NOVEL IN SITU FORMING CHITOSAN-BASED HYDROGELS FOR CURCUMIN DELIVERY AND LUNG SEALANT APPLICATION	Titima Songkroh
PST12d	Preparation of Tetra-PEG Ion-Gels Using Addition Reaction and Their Application to Actuator	Shunta Ishii
PST13d	SYNTHESIS OF ROTAXANE CROSS-LINKED POLYMERS CONTAINING CYCLODEXTRINS AT THE CROSS-LINK POINTS	Keisuke Iijima
PST14d	DEGRADATION OF DISULFIDE CROSS-LINKED THERMOSENSITIVE HYDROGELS	Klaudia Kaniewska
PST15d	Design of silica gel-containing redox nanoparticle for peritoneal dialysis	Takuma Matsumura
PST16d	Development of D-amino acid oxidase-loaded redox-injectable gel system using oppositely charged polymer pairs	Junya Kaneko
PST17d	Redox-active Cytocompatible Phospholipid Polymer Hydrogels for 3-Dimensional Regulation of Encapsulated Living Cells	Xiaojie Lin
PST18d	Catalyst-free Click Cross-linking of Polymers with Multifunctional Aliphatic Nitrile N-Oxides	Shunsuke Monjiyama
PST19d	SOFT AND FLEXIBLE PEDOT/PSS FILMS FOR APPLICATIONS TO SOFT ACTUATORS	Yuechen Li
PST20d	DEVELOPMENT OF POLYMER / NANO-SILVER SUPERABSORBENT COMPOSITE AND THEIR ANTIMICROBIAL APPLICATION	Yi-Syuan Wei
PST21d	REGULATION OF MOLECULAR RECOGNITION ABILITY OF STIMULI-RESPONSIVE POLYPEPTIDE HYDROGELS	Kazuya Matsumoto
PST22d	Production of Alginate Hydrogel Microfibers Having Patterned Microdomains Using Microfluidic Devices	Yoichi Kitagawa
PST23d	Molecular Design of Substrate-Incorporated Self-Oscillating Gels	Satoru Kunikata

PST24d	PREPARATION OF GLUCOSE-RESPONSIVE SHAPE-MEMORY HYDROGELS	Masayoshi Hayashi
PST25d	PREPARATION OF PROTEIN-IMPRINTED HYDROGEL LAYERS ON SENSOR CHIPS BY ATOM TRANSFER RADICAL POLYMERIZATION AND THEIR SIGNAL CHANGES	Yoshiaki Kuriu
PST26d	SYNTHESIS OF DUAL STIMULI-RESPONSIVE POLYMER THAT UNDERGO SOL-GEL PHASE TRANSITION IN RESPONSE TO LIGHT AND TARGET BIOMOLECULE	Kohei Okuma
PST27d	Phenylboronate Based Glucose-responsive Gel with Improved Stability in Performance against Thermal Fluctuation	Mai Yuasa
PST28d	Fundamental investigation of interpenetrating polymer network ion-gels combining high toughness and solute diffusivity	Tomoki Yasui
PST29d	pH-Responsibility of Biocompatible Nanomaterials and its Application for Drug Delivery System	Ji-Hye Park
PST30d	Sulfonic Acid Modified Periodic Mesoporous Organosilicas Materials of Application as Metal Ion Adsorption in Wastewater	Hyun Jin Song
PST31d	Cysteine-containing polypeptide hydrogels by proteinase K-mediated chemoenzymatic synthesis	Yinan Ma
PST32d	Evaluation of Poly(N-isopropylacrylamide) Microgel for Enzyme-like Amidolytic Catalysis	Wong Yoke Ming
PST33d	REDOX-RESPONSIVE MACROSCOPIC GEL ASSEMBLY BASED ON DISCRETE DUAL INTERACTIONS	Masaki Nakahata
PST34d	Poly(aspartic acid) based gel scaffolds for hard tissue engineering	Dávid Juriga
PST35d	Polymer-colloids networks in water via cucurbit[8]uril complexation	Yang Lan
PST36d	SPATIOTEMPORAL CONTROL OF BIOACTIVE MOLECULES DIFFUSION IN PHOSPHOLIPID POLYMER MULTILAYERED HYDROGELS CONTAINING CELLS	Botao Gao
PST37d	Tunable Hydrogels from Functionalized ABA-type Triblock Phospholipid Polymers	Surasak Chantasirichot
PST38d	Tuning Adhesion of Hydrogel with Anisotropic Fiber Alignment	Chanchal Kumar ROY
PST39d	Recyclable shape memory materials based on photo- or thermo-reversible crosslinking	Thomas Defize
PST40d	Enhanced sealing effect of Hydrophobically modified, cod-derived gelatin-based surgical sealants under wet condition	Ryo Mizuta
PST41d	Preparation of poly(N-isopropylacrylamide) gel from the four-arm-branched macromer	Shohei Sato