

Room P

Poster Presentation

Date		Booth No.		Booth No.								
				001	002	003	004	005	131	132	
15 Wed.	1P	a	9:50 ~ 10:00									
			10:00 ~ 10:20									
			10:20 ~ 11:00									
			11:00 ~ 11:40									
			11:40 ~ 11:50									
16 Thu.	2P	c	12:50 ~ 13:00									
			13:00 ~ 13:20									
			13:20 ~ 14:00									
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17 Fri.	3P	e	14:50 ~ 15:00									
			15:00 ~ 15:20									
			15:20 ~ 16:00									
			16:00 ~ 16:40									
			16:40 ~ 16:50									

Presentation Time
 Mounting Time

Display Time
 Removeing Time

Wednesday, September 15

Presentation Time
 <a=10:20 ~ 11:00>
 <b=11:00 ~ 11:40>

Polymer Chemistry: Synthesis and Reactions

(Room E314)

- 1Pa001 Microwave-Assisted Synthesis of Organic-Inorganic Hybrids Exhibiting Red or Near-Infrared Emission
Yuichi Kajiwara, Atsushi Nagai, Yoshiki Chujo..... 2521
- 1Pb002 Inversion of chirality in the self-aggregation of foldable oligophenylenevinylene dimers
Yusaku Goto, Shiki Yagai, Takashi Karatsu, Akihide Kitamura, Tsuyoshi Tazawa, Yoshihiro Kikkawa..... 2522
- 1Pa003 Supramolecular Chirality of the Perylene Bisimide Assemblies
Tomohiro Seki, Shiki Yagai, Takashi Karatsu, Akihide Kitamura..... 2523
- 1Pb004 Diastereomeric Salt Formation Using Glycodendron with Focal Amine Group
Nobuhiro Takahashi, Tomoyuki Tajima, Yutaka Takaguchi..... 2524
- 1Pa005 Correlation in Molecular Weights of Guest and Host Molecules in Inclusion Complexes Formed by Vine-Twining Polymerization
Koji Ueno, Asami Yoshioka, Yoshiro Kaneko, Jun-ichi Kadokawa..... 2525

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1Pa007	A New Mechanochromic Material Composed of an Assembled Metallotriphenylene <u>Eri Hirahara</u> , Hitoshi Yusa, Takashi Yamashita, Tsuyohiko Fujigaya, Ryota Ohtani, Toshihiro Okajima, Kazuya Nakata, Naruki Tsuji, Jungeun Kim, Kunihisa Sugimoto, Masaki Takata, Takuzo Aida,	2527
1Pb008	Synthesis and luminescence properties of lanthanide metallic-organic hybrid polymer <u>Takashi Sato</u> , Masayoshi Higuchi	2528
1Pa009	Synthesis and properties of macromolecules containig photofunctional quinone cores <u>Hisanori Baba</u> , Hirokazu Taniguchi, Naohiro Kawano, Hirokazu Kai, Hitomi Nagato, Masaya Moriyama, Seiji Ujiie	2529
1Pb010	Effect of molecular structures on self-organization behavior of non-hydrogen-bonded rod-like compounds <u>Kenji Negishi</u> , Mika Nishimura, Yuki Higashi, Masaya Moriyama, Seiji Ujiie	2530
1Pa011	Molecular design and application of chemical stimuli-responsive supramolecular hydrogel <u>Tatsuya Tanida</u> , Masato Ikeda, Itaru Hamachi	2531
1Pa013	Synthesis of Grafted Polysilsesquioxane by Ring-opening Polymerization Osamu Moriya, Shin-ichi Yamamoto, <u>Mikihiro Kashio</u> , Toshio Sugizaki	2532
1Pb014	[Carbon black/Epoxy] Nanocomposite Using Acrylic dispersants <u>Dongguen Lee</u> , Min-a Park, Jeongho Ahn, Jinhwan Kim, Jin-young Bae	2533
1Pa015	Multi-Functionalization of Thermoresponsive Polysilsesquioxane by Use of Mercapto Group <u>Fukutaro Minami</u> , Shin-ichi Yamamoto, Osamu Moriya	2534
1Pb016	Preparation of polysilsesquioxane grafted stimuli-responsive polymer having urea group <u>Yohei Miyasaka</u> , Shin-ichi Yamamoto, Osamu Moriya	2535
(Room E313)		
1Pa017	Preparation and properties of non-pai-conjugation polymer with bis(phenazasiline) unit <u>Hideki Hayashi</u> , Makoto Murase, Takeshi Miyabayashi, Masahiko Kojima	2536
1Pb018	Synthesis and characteristics of spiro-siloxane compounds <u>Eiichi Akiyama</u> , Ryoji Tanaka	2537
1Pa019	Preparation of Networked Polythiophenes by Vapor-phase Assisted Surface Polymerizations of Bisthiophene Monomer <u>Shinya Maeda</u> , Kwang-hoi Lee, Kazuhide Morino, Atsushi Sudo, Takeshi Endo	2538
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1Pa023	Cyclopolymerization of dimethacrylate monomer containing o-carborane <u>Tatsuya Nakano</u> , Kenta Kokado, Yoshiki Chujo	2542
1Pb024	Synthesis and Emission of Novel π -Conjugated Polymer Connected with 1',4'-Benzocarboranylene Units <u>Masato Tominaga</u> , Kenta Kokado, Yoshiki Chujo	2543

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1Pb026	Synthesis of Optically Active P-Stereogenic Polymers <u>Ryoyu Hifumi</u> , Hiroaki Imoto, Yasuhiro Morisaki, Yoshiki Chujo	2545
1Pa027	Development of rhodamine-cored multichromophoric dendrimers <u>Masaki Takahashi</u> , Ayato Yamamoto, Tetsuya Sengoku, Hidemi Yoda	2546
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1Pa029	Synthesis and Characterization of Hybridized Poly (phenylene methylene) Copolymer with Titania Moieties as Hybrid Optical Films <u>Young Chul An</u> , Gen-ichi Konishi	2548
1Pb030	Synthesis and Self-assembly of Star-shaped Triblock Copolymers Containing Polyhedral Oligomeric Silsesquioxane <u>Raita Goseki</u> , Tomoyasu Hirai, Yoshihito Ishida, Masa-aki Kakimoto, Sang Ouk Kim, Seong-jun Jeong, Teruaki Hayakawa	2549
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Polymer Physics: Structure and Properties

(Room E312)

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1Pb034	Formation of mixed monolayer of organo-modified clay/bio-degradable polymers and application of their self-standing films <u>Jun-ichi Kusaka</u> , Rintaro Nomura, Atsuhiko Fujimori	2875
1Pa035	Two-dimensional Organization and Formation of Multi-particle Layer of Aromatic Polyamides <u>Satoshi Chiba</u> , Yoko Abe, Yuji Shibasaki, Atsuhiko Fujimori	2876
1Pb036	Surface hydrophilization of cycloolefin polymers (2) - Hydrophilicity characterization of a corona-discharge treated surface <u>Shin-ichi Taniguchi</u> , Miwako Nakahara	2877
1Pa037	Emission properties of zinc oxide nanorods synthesized in basic alcoholic solution <u>Shoichi Kubo</u> , Masaru Nakagawa	2878
1Pb038	Structure analysis multilayered film of n-alkanes - X-ray reflectivity and X-ray scattering study <u>Kazuki Ikemoto</u> , Koji Nozaki, Takashi Yamamoto	2879
1Pb040	Surface active agents prepared from phytic acid and epoxides <u>Kazuhiro Taguchi</u> , Shigeo Hirose, Kazuaki Muramatsu, Tatsunori Hara	2880
1Pa041	Investigation of conditions to suppress polymer chain mobility for reaction field of template polymerization <u>Masumi Maegawa</u> , Hiroharu Ajiro, Mitsuru Akashi	2881

1Pb042	Introduction of hydroxamic acid groups to grafted porous polyethylene films and metal ion adsorption properties <u>Yusuke Tomioka, Kazunori Yamada</u>	2882
1Pa043	Adhesion of grafted polyethylene plates with enzymatically modified chitosan solutions and estimation of failed surfaces by XPS <u>Shou Yamagami, Kazunori Yamada</u>	2883
1Pb044	Preparation and lectin binding activity of glycopolymer-grafted polystyrene particles <u>Fumina Abo, Madoka Sato, Michinari Kohri, Tatsuo Taniguchi, Takayuki Nakahira</u> .	2884
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1Pb046	Novel nanoscale pattern of polymer blends by crystallization of organic molecules <u>Shunsuke Kodama, Naoko Yoshie</u>	2886
1Pa047	Preparation of Hybrid Nanoparticles by Deposition of Silica on Heterocoagulates <u>Shun Obi, Takuya Kashiwakura, Michinari Kohri, Tatsuo Taniguchi, Takayuki Nakahira</u>	2887
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1Pb050	Dynamic Dimensional Control of Metal Nanocluster Capped with Photochromic Monolayer for Surface-Enhanced <u>Hiroshi Endo, Nobuhiko Ikenoya, Takahiro Ishizone, Takeshi Kawai</u>	2890
1Pa051	Chemical modification of graphene nanosheet toward the self-standing supramolecular assemblies <u>Hiroshi Endo, Takahiro Mizuno, Takeshi Kawai</u>	2891
1Pb052	Colloidal Crystallization of Copolymer-grafted Silica Modified having Transition Metal Complex moiety in Organic Solvents and Effective Refraction Indexes <u>Osamu Takahara, Yoko Masuda, Zhiguo Ma, Emiko Mouri, Kohji Yoshinaga, Akemi Nakai</u>	2892
1Pa053	Interface analysis of polyisoprene/polybutadiene blends by AFM <u>Junhyeok Jang, Hirohisa Yoshida</u>	2893
1Pb054	Stereocomplex formation of uniform stereoblock PMMAs in monolayers <u>Yuma Takanashi, Takafumi Nishiura, Tatsuki Kitayama, Jiro Kumaki</u>	2894
1Pa055	Formation of functional supra-structures by assembling core-shell nanoparticles <u>Yasuhiro Isogai, Sachiko Kaihara, Keiji Fujimoto</u>	2895
1Pb056	Preparation of a New Graphene Nanoribbon/Lipid Conjugate <u>Tomohiko Fukuma, Tomoyuki Tajima, Yutaka Takaguchi</u>	2896
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1Pa059	Deposition of Au particles onto polymer-grafted silica particles having disulfide groups <u>Hiroto Ebihara, Emiko Mouri, Kohji Yoshinaga</u>	2899
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1Pa063	Synthesis of Dispersant Polymer and Preparation of Fullerene/Silica Composite <u>Takahiro Sato</u> , Tetsuya Yamanaga, Emiko Mouri, Kohji Yoshinaga 2903	2903
1Pb064	Synthesis of ZnO Nanoparticle by using Polymer Micell and Incorporation into PMMA <u>Yuki Shimomura</u> , Emiko Mouri, Kohji Yoshinaga 2904	2904
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1Pa067	Colloidal Crystallization of Colloidal Silica Modified with Copolymer Having Ferrocenyl Group in Organic Solvent and Effective Refractive Index of Colloidal Suspension. <u>Arisa Tsubaki</u> , Zhiguo Ma, Emiko Mouri, Kohji Yoshinaga, Akemi Nakai 2907	2907
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1Pb070	Preparation and Characterization of Polymeric Particles with Acid-Insoluble Carboxy Monomer <u>Hiroki Nagaoka</u> , Risei Wada, Hidenobu Shimizu, Masaru Okabe 2910	2910
1Pa071	Crystal Transformation of isotactic Polybutene-1 Thin Film <u>Takashi Nishino</u> , Masaru Kotera, Kazuya Torita 2911	2911
1Pb072	Preparation of Giant Phospholipid Vesicles by a Coaxial Electrospray Technique <u>Yu Fukui</u> , Tatsuo Maruyama, Yuko Iwamatsu, Akihiro Fujii, Yoshikage Ohmukai, Hideto Matsuyama 2912	2912

Biopolymers and Biorelated Polymers

(Room E308)

1Pa073	DNA-Lipid Complexes Bearing Azobenzene or Carbazole Moieties: Synthesis and Functions Jingqing Qu, Zhiming Qiu, Lujing Liu, Huanqin Chen, Naoya Ogata, <u>Toshio Masuda</u> 4754	4754
1Pb074	Preparation of porous multilayer structures from DNA <u>Kouki Sugiyama</u> , Olaf Karthaus 4755	4755
1Pa075	Preparation of DNA-cyclic oligosaccharide composite material and its application to environmental material Minako Hori, Shinya Tabuchi, Jun Shikano, <u>Masanori Yamada</u> 4756	4756
1Pb076	Synthesis of DNA intercalator-immobilized cyclodextrin and its utilization for environmental materials <u>Masamitsu Inoue</u> , Tetsuya Yamada, Masanori Yamada 4757	4757
1Pa077	Structural Characterization of Temperature-induced PNIPAAm-DNA Conjugate Colloidal Particle <u>Wei Yang Ooi</u> , Masahiro Fujita, Kazuki Ito, Pengju Pan, Kumar Sudesh, Mizuo Maeda 4758	4758

1Pb078	Characterization of non-crosslinking aggregation of gold nanoparticles with DNA <u>Nao Kobayashi</u> ,Kae Sato,Kazuki Ito,Tohru Takarada,Masahiro Fujita,Mizuo Maeda.....	4759
1Pa079	Theoretical study of structure and function control on RNA by polyamine <u>Yoshihiro Hayashi</u> ,Akiko Suganami,Hajime Sugiyama,Toshio Watanabe,Susumu Kawauchi,Yutaka Tamura	4760
1Pb080	Synthesis of homosequence DNA by polymerization of oligonucleotide on solid substrate <u>Asumi Eguchi</u> ,Yasutaka Matsuo,Kenichi Niikura,Kuniharu Ijro	4761
1Pa083	Screening system of b-Glucuronidase genes using unilamellar liposomes and cell sorter <u>Takehiro Nishikawa</u> ,Takeshi Sunami,Tomoaki Matsuura,Norikazu Ichihashi, Tetsuya Yomo	4762
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1Pa085	Core-shell structured, electrospun microfibrillar PLGA scaffolds for controlled growth factor delivery Ji Hye Oh,Kyung Min Park,Yoon Ki Joung, <u>Ki Dong Park</u>	4764
1Pb086	Cell surface modification and construction of cellular supra-structures by photo-reactive biomaterials <u>Makoto Saitou</u> ,Sachiko Kaihara,Keiji Fujimoto.....	4765
1Pa087	Importance of unsaturated alkyl chains for efficient transfection mediated with poly(amidoamine) dendron-based lipids <u>Eiji Yuba</u> ,Yosuke Nakajima,Atsushi Harada,Kenji Kono	4766
1Pb088	Development of silica-coated polyplexes for nucleic acids delivery <u>Kanjiro Miyata</u> ,Hiroyasu Takemoto,Takahiro Nomoto,Yu Matsumoto,Makoto Oba,Nobuhiro Nishiyama,Kazunori Kataoka	4767
1Pa089	Design of artificial polymer binding protein with the cell adhesion function <u>Yuko Imanishi</u> ,Yuta Yoshino,Hisao Matsuno,Takaaki Date,Takeshi Serizawa,Atsushi Sogabe,Toshihiro Kuroita,Shigeru Kunugi,Naoki Tanaka	4768
1Pb090	Preparation of antigenic peptide nanofibers for delivery to antigen-presenting cells <u>Tomonori Waku</u> ,Syota Tominaga,Yuichi Kitagawa,Shigeru Kunugi,Naoki Tanaka.	4769
1Pa091	Evaluation of intracellular behavior of size-controlled amphiphilic poly(amino acid) nanoparticles <u>Fumiaki Shima</u> ,Hyungjin Kim,Takami Akagi,Mitsuru Akashi	4770
1Pb092	Preparation and characterization of protonated nanocapsules formed from block copolymers with regulated 3D structure <u>Shinichi Ichimura</u> ,Eiji Yuba,Atsushi Harada,Kenji Kono	4771
1Pa093	Sensitive Biochip detected by Grating-Coupled Surface Plasmon Resonance Enhanced Fluorescence- Evaluation of suppressing effect of non-specific adsorption - <u>Yoshiki Yokota</u> ,Keiko Tawa,Takahiko Nakaoki,Junji Nishii.....	4772
1Pb094	Development of <i>Bombyx mori</i> silk fibroin scaffolds for regenerative dentistry materials <u>Sayaka Miyamoto</u> ,Norihiko Nishiyama,Noboru Kuboyama,Hideo Kiba,Tetsuo Asakura	4773
1Pa095	Preparation of small-diameter silk vascular grafts by a coating method and implantation into a dog common carotid artery <u>Wakana Iwai</u> ,Michiko Satoh,Tamami Komatsu,Aytemiz Derya,Ryo Tanaka,Toshihide Tsukatani,Masakazu Nishino,Kenji Itoh,Tetsuo Asakura	4774

1Pb096	Synthesis and evaluation of novel graft-block polymers for stimulus-responsive nanocapsules <u>Setsuka Nakajima, Michihiro Iijima</u>	4775
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1Pa097	Novel MRI contrast agent for molecular imaging of asialoglycoprotein receptor <u>Yukari Okada, Masaharu Murata, Yoshinori Matsuoka, Yuri Fujisaki, Sayoko Narahara, Makoto Hashizume</u>	4776
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1Pa099	Estimation of PEG Reduced Tethering Density of PEG-PLys Polyplex Micelles <u>Theofilus Agrios Tockary, Kensuke Osada, Kazunori Kataoka</u>	4778
1Pb100	Enhanced transfection by homo-polycation integration with block polycation based polyplex micelle <u>Qixian Chen, Makoto Oba, Takehiko Ishii, Kensuke Osada, Kazunori Kataoka</u>	4779
1Pa101	Self-catalytic biodegradable polycation -PAsp(DET)- for gene delivery <u>Takehiko Ishii, Keiji Itaka, Kazunori Kataoka</u>	4780
1Pb102	Fabrication of the small-diameter silk vascular graft and implantation in a rat abdominal aorta. <u>Takahito Yagi, Michiko Satoh, Shinko Hata, Aytemiz Derya, Ryo Tanaka, Yasumoto Nakazawa, Kimie Tanaka, Masataka Sata, Kenji Itoh, Tetsuo Asakura</u>	4781
1Pa103	Entrapment of biodegradable nano-particles into temperature-responsive injectable gel and the drug release behavior <u>Hiroataka Jodo, Hiroyuki Suzuki, Yuichi Ohya</u>	4782
1Pb104	Controlled release of water-soluble drug from biodegradable nanospheres prepared with amphiphilic diblock- and graft-copolymers as biodegradable surfactants <u>Satoshi Minamigaki, Yasuhisa Nagasaki, Tatuhiro Kon, Shin-iti Kawanami, Yuichi Ohya</u>	4783
1Pa105	Fabrication of Polylactone/HAp Composites by Microwave Irradiation(II) -Characterization of Mechanical Properties- <u>Saori Kadota, Masahiro Fujita, Yuko Takeoka, Mamoru Aizawa, Masahiro Rikukawa</u> .	4784
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1Pa107	Structural analysis of unimer nanoparticles composed of amphiphilic poly(amino acid) <u>Phassamon Piyapakorn, Takami Akagi, Mitsuru Akashi</u>	4786
1Pb108	Preparation of DNA capsules by using porous calcium carbonate microparticles as templates <u>Akihiro Fujii, Tatsuo Maruyama, Yoshikage Ohmukai, Eiji Kamio, Tomohiro Sotani, Hideto Matsuyama</u>	4787
1Pa109	Design of the nontoxic efficient system of gene delivery by methylated poly(1-vinylimidazole). <u>Takao Kumagai, Tomoe Hakamatani, Shoichiro Asayama, Hiroyoshi Kawakami</u>	4788
1Pb110	Spheroid transfer system using microchip technique <u>Yusuke Sakai, Yidan Yuan, Kohji Nakazawa</u>	4789
1Pa111	Design of poly(trimethylene carbonate) that has hydrophilic polymer chain and its stability of aggregations <u>Yuta Tosaki, Junpei Miyake, Junji Watanabe, Yoshiyuki Ikeda</u>	4790
1Pb112	Synthesis of biodegradable and elastic materials for drug eluting application <u>Min Ji Kim, Lijie Duan, Jik Han Jung, Dong June Chung, Jeongho An</u>	4791

Polymers and Environment

(Room E306)

1Pa113	A New Poly(L-lactide)-Grafted Graphite Oxide Composite : A Facile Synthesized Method, Electrical Properties and Crystallization Behaviors <u>Lei Hua</u> ,Yoshio Inoue	5196
1Pb114	Polymorphic Crystallization and Phase Transition of Poly(butylene adipate) in Its Miscible Crystalline/Crystalline Blend with Poly(vinylidene fluoride) <u>Jinjun Yang</u> ,Lei Hua,Pengju Pan,Tungalag Dong,Yoshio Inoue	5197
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1Pb118	Effect of addition of branched poly(lactic acid)s on crystallization of biomass plastics <u>Shumpei Nishio</u> ,Takashi Tsujimoto,Hiroshi Uyama,Takeshi Yanagimoto, Takahiko Terada	5200
1Pa119	Surface morphologies of Poly(L-lactide-b-e-caprolactone) thin films - AFM study <u>Yoshihiro Kikkawa</u> ,Kenji Kurokawa,Mayuko Takahashi,Masatoshi Kanesato,Hideki Abe	5201
1Pa121	Synthesis of macromonomers containing an itaconic acid polymerizable groups and L-lactic acid chains <u>Tomoya Okuda</u> ,Kiyoaki Ishimoto,Hitomi Ohara,Shiro Kobayashi.....	5202
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1Pa123	Synthesis and properties of poly(L-lactide)-b-poly(epsilon-caprolactone-co-D,L-lactide)-b-poly(L-lactide) <u>Kazuki Aihara</u> ,Zhengguo Cai,Yuushou Nakayama,Takeshi Shiono	5204
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1Pb126	Study of impregnation of poly(L-lactide-ran-cyclic carbonate) copolymers with useful compounds under supercritical carbon dioxide <u>Chikara Tsutsumi</u> ,Naohisa Fukukawa,Jun Sakafuji,Kazuyuki Oro,Kazuaki Hata,Yuushou Nakayama,Takeshi Shiono.....	5206
1Pa127	Synthesis and properties of environmentally benign polyurethane containing malic acid copolymer <u>Saeko Murakami</u> ,Nobuyoshi Aoki,Shuichi Matsumura.....	5207
1Pb128	Lipase-catalyzed Synthesis of High Molecular Weight Aromatic Polyester via Cyclic Oligomers <u>Shinya Fukuda</u> ,Shuichi Matsumura	5208
1Pa129	Synthesis of PLA-graft-PCL copolymer as a totally biodegradable compatibilizer and the compatibility evaluation of PLA / PCL blend with the copolymer. <u>Daisuke Fujii</u> ,Yoshitsugu Hirokawa,Satoshi Tanimoto,Kana Kobori,Masahiro Yamada	5209
1Pa131	Synthesis of polyamide4 powder by suspension polymerization <u>Norioki Kawasaki</u> ,Naoko Yamano,Maki Oshima,Sahori Takeda,Atsuyoshi Nakayama.....	5210
1Pb132	Synthesis and application of polyamide 4 with reactive end groups Koichiro Tachibana, <u>Yoshihiro Sato</u> , <u>Kazuo Yamaguchi</u> ,Haruki Okawa,Kazuhiko Hashimoto	5211

Presentation Time
<c=13:20 ~ 14:00>
<d=14:00 ~ 14:40>

Polymer Chemistry: Synthesis and Reactions

(Room E314)

- 1Pc001 Regulating molecular arrangements and luminescence properties of ammonium aromatic sulfonates by employing noncovalent bonds
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- 1Pd002 Supramolecular Assemblies Based on Self-Complementary Dimers of π -Conjugated Acyclic Anion Receptors
Hiromitsu Maeda, Kota Kinoshita 2553
- 1Pc003 Formation of Anion-Module-Based Supramolecular Assemblies
Hiromitsu Maeda, Kazumasa Naritani..... 2554
- 1Pd004 Construction of Photo-Responsive Porous Materials Based on a Flexible Porous Coordination Polymer
Nobuhiro Yanai, Takashi Uemura, Masafumi Inoue, Susumu Kitagawa 2555
- 1Pc005 Synthesis of fibrous stacks consisting of mixed-valent π -conjugate molecules and their thermo-responsive behavior
Kazunori Hayakawa, Kensuke Naka..... 2556
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(Room E306)

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Polymer Physics: Structure and Properties

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Polymers and Environment

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2Pb002	Stereo-Controlled Radical Polymerization in Coordination Nanochannels with Lewis Acidic Sites <u>Noriyuki Uchida</u> , Takashi Uemura, Susumu Kitagawa 2612
2Pa003	Stereospecific Radical Polymerization of <i>N</i> -Alkyl- α -fluoroacrylamides <u>Takahiro Furutani</u> , Hiroaki Yamamoto, Tomohiro Hirano, Koichi Ute 2613
2Pb004	Radical polymerization of <i>N</i> -acryloyl-2-oxazolidinone derivatives at low temperatures in the presence of optically active diols <u>Saori Sekiguchi</u> , Tomohiro Hirano, Masaki Nishiuchi, Koichi Ute 2614
2Pa005	Stereocontrol of radical polymerization of <i>N</i> -methyl- <i>N</i> -(2-pyridyl)acrylamide by conformational switching of the monomer <u>Akihiro Morikami</u> , Tomohiro Hirano, Koichi Ute 2615
2Pb006	Effect of Stereoregularity on Phase Transition of Aqueous Solutions of <i>N</i> -Alkylacrylamide Copolymers <u>Hiroaki Yamamoto</u> , Tomohiro Hirano, Koichi Ute 2616
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2Pa009	Radical fractionl group selective polmerisation for a vinyl group in <i>N</i> -(4-vinylphenyl) maleimide <u>Takayuki Okuma</u> , Ryouko Kobayashi, Tokio Hagiwara 2619
2Pb010	Synthesis and polymerization of <i>N</i> -(4-(phenylazo)phenyl)itaconimide. <u>Masaya Tanaka</u> , Tokio Hagiwara 2620
2Pa011	Polymerization Reactivity of α -Substituted Acrylate with Hydrophilic and Hydrophobic Groups <u>Takayuki Ohnishi</u> , Takahiro Uno, Masataka Kubo, Takahito Itoh 2621
2Pb012	Reactivity of free-radical polymerization predicted by quantum-mechanical calculation <u>Keigo Saito</u> , Shinnosuke Takahashi, Susumu Kawauchi 2622
2Pa013	Fabrication of graphene/polymer composites by using photopolymerization <u>Yutaka Kuwahara</u> , Ryohei Yagi, Takashi Hagio, Tomonari Ogata, Yasumichi Matsumoto, Seiji Kurihara 2623
2Pa015	Synthesis of melamine-formaldehyde resin by addition condensation in ionic liquids Masaru Yoneyama, <u>Tomoki Kubota</u> 2624
2Pb016	Surface modification of polymer surfaces by living radical polymerizations in supercritical carbon dioxide-swollen polymer substrates <u>Toshihiko Arita</u> , Tomoka Yoshimura, Tadafumi Adschiri 2625

Polymer Physics: Structure and Properties

(Room E313)

2Pa017	Optical Anisotropy of Cellulose Esters containing Plasticizers <u>Manami Tsuji</u> , So-young Lee, Mohd Edeerozey Abd Manaf, Masayuki Yamaguchi ...	2995
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2Pa027	Glass relaxation behavior in polystyrene systems <u>Kota Ito</u> , Takanobu Kawamura, Koh-hei Nitta	3004
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2Pa035	Structural analysis of polypeptide by high-resolution solid-state NMR measurement and quantum chemistry calculation <u>Yu Hayashi</u> , Asato Shimokawa, Sachiyo Kono, Hiromichi Kurosu	3010
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2Pb048	Effects of copolymer composition of liquid crystalline polymers on solid-solid phase transition and physical properties <u>Wataru Toyota</u> ,Toshiyuki Tsunoda,Hiroshi Awano,Tatsuhiko Takahashi,Koichiro Yonetake,Ryokei Endo	3023

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2Pa049	Helical pitch control by using side-chain structures of poly(alkyl propiolate)s <u>Yoshiaki Yoshida</u> ,Asahi Motoshige,Yasuteru Mawatari,Chigusa Seki,Toshifumi Hiraoki,Haruo Matsuyama,Masayoshi Tabata.....	3259
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2Pb058	Synthesis of liquid-crystalline polybenzoxazine precursors and its polymerization behavior <u>Kazuhiro Hashimoto</u> , Masayoshi Ito, Takehiro Kawauchi, Tsutomu Takeichi	3766
2Pa059	Polyimides Containing Benzazole Units (4) - Strategies for Simultaneously Achieving Low CTE and Thermoplasticity <u>Naoto Okubo</u> , Junichi Ishii, Masatoshi Hasegawa	3767
2Pb060	Birefringence Control of Colorless Polyimides - Low Wavelength Dispersion of Retardation <u>Ryosuke Masaka</u> , Junichi Ishii, Masatoshi Hasegawa	3768
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2Pa079	Protein extraction from aqueous phase to ionic liquid phase through LCST-type phase change <u>Shohei Saita</u> , Yuki Kohno, Hiroyuki Ohno	4844
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2Pa101	Evaluation of energy transfer of photosynthetic antenna membrane proteins (LH2, LH1-RC) assembled onto solid-supported lipid bilayer. <u>Natsuko Watanabe</u> , <u>Ayumi Sumino</u> , <u>Nobuaki Sasaki</u> , <u>Takehisa Dewa</u> , <u>Takashi Morii</u> , <u>Hideki Hashimoto</u> , <u>Mamoru Nango</u>	4865
2Pb102	Built up of Hydrogels using Self-assembling beta-hairpin Peptides <u>Shinpei Oota</u> , <u>Yoshiaki Hirano</u>	4866
2Pa103	Carbon nanotubes dispersed in water with proteins <u>Fumihiko Taga</u> , <u>Risa Yamakoshi</u> , <u>Yasushi Maeda</u> , <u>Shin Ono</u>	4867
2Pb104	Separation of carbon nanotubes dispersed in water with proteins <u>Risa Yamakoshi</u> , <u>Fumihiko Taga</u> , <u>Yasushi Maeda</u> , <u>Hiroshi Oyama</u> , <u>Shin Ono</u>	4868
2Pa105	Design and characterization of Cu ²⁺ responsive alpha-helical coiled coil polypeptide <u>Shun Ando</u> , <u>Ayumi Kashiwada</u> , <u>Kiyomi Matsuda</u>	4869
2Pb106	Elastin degradation <u>Takashi Ishida</u> , <u>Yukiko Hatano</u> , <u>Kentaro Ohara</u> , <u>Naoki Mizutani</u> , <u>Keiichi Miyamoto</u> , <u>Takashi Horiuchi</u>	4870
2Pa107	Development of the self-assembled elastin sponge gel <u>Yukiko Hatano</u> , <u>Naoki Mizutani</u> , <u>Kentaro Ohara</u> , <u>Takashi Ishida</u> , <u>Keiichi Miyamoto</u> , <u>Takashi Horiuchi</u>	4871
2Pb108	HRP-catalyzed oxidative polymerization of p-methoxyphenol <u>Shoya Tokunaga</u> , <u>Takashi Tsujimoto</u> , <u>Hiroshi Uyama</u> , <u>Hiroyuki Tonami</u>	4872
2Pa109	Control of photophysical properties of pyrenes using antibodies for pyrene dimers <u>Mayako Tada</u> , <u>Hiroyasu Yamaguchi</u> , <u>Akira Harada</u>	4873

2Pb110	Preparation and Application of Monoclonal Antibodies Against Chiral Binaphthyl Derivatives <u>Tomoki Odaka, Hiroyasu Yamaguchi, Akira Harada</u>	4874
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2Pa113	Synthesis of Anionic Highly Branched Polysaccharides by Enzymatic Transfer Reaction of Glucuronic Acid Residues <u>Jun-ichi Kadokawa, Yuhta Umegatani, Hironori Izawa, Kazuya Yamamoto</u>	4875
2Pb114	Dynamic Analysis of Molecular Weight Distribution during Hydrolysis of Cellulose in Ionic Liquids <u>Kosuke Kuroda, Atsushi Tsukamoto, Yukinobu Fukaya, Hiroyuki Ohno</u>	4876
2Pb116	Design of polar ionic liquids with LCST behavior after mixing with water <u>Yukinobu Fukaya, Hiromitsu Hattori, Hiroyuki Ohno</u>	4877
2Pa117	Synthesis of polyarbutin using PEGylated hematin as a catalyst <u>Haruka Fukushima, Michinari Kohri, Tatsuo Taniguchi, Takayuki Nakahira</u>	4878
2Pb118	Synthesis of Chitin and Chitosan Analogues by Ring-Opening Polymerization of Anhydro Sugars <u>Kazuyuki Hattori, Takashi Yoshida</u>	4879
2Pa119	Synthesis of Novel Amphiphilic Cyclodextrins by Microwave-Assisted Click Reaction <u>Yusuke Fujita, Atsushi Miyagawa, Hatsuo Yamamura</u>	4880
2Pa121	Methyl Esterification and Ion-exchange of TEMPO-oxidized Cellulose <u>Hayaka Fukuzumi, Yusuke Okita, Tsuguyuki Saito, Akira Isogai</u>	4881
2Pb122	Synthesis of phthaloyled Chitosan in water system <u>Takeshi Miwa, Shinsuke Ifuku, Minoru Morimoto, Hiroyuki Saimoto</u>	4882
2Pa123	Characterization of chitin nanofiber reinforcement transparency nanocomposite film <u>Shin Morooka, Shinsuke Ifuku, Minoru Morimoto, Hiroyuki Saimoto</u>	4883
2Pb124	NMR characterization of glycolipid clusters by using isotropic bicelles <u>Tsuyoshi Uno, Maho Yagi, Takumi Yamaguchi, Koichi Kato</u>	4884
2Pb126	Preparation of gel and film materials from guar gum using ionic liquid <u>Shozaburo Mine, Kohei Sonoda, Hironori Izawa, Kazuya Yamamoto, Jun-ichi Kadokawa</u>	4885
2Pa127	Control of structure of nano hybrid material formed with calcium phosphate using polysaccharide derivates <u>Kei Kurosui, Setuko Yamane, Yoshihiro Sasaki, Kazunari Akiyoshi</u>	4886
2Pb128	Preparation and functionalization of sugar gel particles <u>Takuya Yamashina, Sachiko Kaihara, Keiji Fujimoto</u>	4887
2Pa129	Analysis of the substrate specificity of β -1,3-glucanase using synthetic branched oligosaccharides <u>Atsushi Miyagawa, Yoichi Tanabe, Masayuki Oda, Hatsuo Yamamura</u>	4888

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Polymer Chemistry: Synthesis and Reactions

(Room E314)

2Pc001	Study on the Polymerization-Conditions about the Radical Polymerization Initiated with Trihexyltetradecylphosphonium Tetrafluoroborate <u>Shuichi Kanno</u>	2626
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2Pd002	Monomer Selective Radical Polymerization Initiated with Phosphonium-Based Ionic Liquids <u>Shuichi Kanno</u>	2627
2Pc003	Effects of Oxygen on the Polymerization Initiated with O-Ethyl-N,N,N',N'-tetramethylisouronium Trifluoromethanesulfonate <u>Shuichi Kanno</u>	2628
2Pd004	Specific Polymerization Behavior of the Radical Polymerization Initiated with S-Ethyl-N,N,N',N'-tetramethylisothiouronium Trifluoromethanesulfonate <u>Shuichi Kanno</u>	2629
2Pc005	Controlled Emulsion Polymerization of Vinyl Acetate Using Dithiocarbamates as the RAFT Agents <u>Keiji Shinoda, Akinori Takasu</u>	2630
2Pd006	Preparation of "RAFT gel"s via Chemoselective Polycondensation of Diols and Dicarboxylic Acid <u>Ken Yamamoto, Akinori Takasu</u>	2631
2Pc007	Controlled Alternating Radical Copolymerization of β -Methylstyrene Derivatives <u>Yoshiki Nonoyama, Kanji Nagai, Kotaro Satoh, Masami Kamigaito</u>	2632
2Pd008	Controlled/Living Radical Polymerization of Naturally-Occurring Itaconic Acid Derivatives <u>Dong Hyung Lee, Kanji Nagai, Kotaro Satoh, Masami Kamigaito</u>	2633
2Pc009	Synthesis of Acenaphthylene-Based Rigid Copolymers by Living Radical Polymerization <u>Satoshi Motoda, Kanji Nagai, Kotaro Satoh, Masami Kamigaito</u>	2634
2Pd010	The living radical polymerization behavior of (Meth) Acrylate Bearing Lactone Group <u>Takuma Miyazaki, Boyong Xue, Akinori Toyota, Kazu f umi Kohno, Etsuo Hasegawa, Shigeyuki Iwasa</u>	2635
2Pc011	RAFT polymerization of threonine-containing monomer in polar solvents and precise synthesis of dual-stimuli responsive single polymer <u>Kento Shoji, Hideharu Mori</u>	2636
2Pd012	Living radical polymerization of pentafluorophenyl methacrylate and derivation to polymer library <u>Shunsuke Shimizu, Tsuyoshi Ando, Kayo Terada, Shiho Hirohara, Masao Tanihara</u> ..	2637

Polymer Physics: Structure and Properties

(Room E313)

2Pc017	ESR studies of main-chain radicals of poly(propargyl acetate) prepared with a Rh complex catalyst <u>Yoshiaki Yoshida, Yasuteru Mawatari, Chigusa Seki, Toshifumi Hiraoki, Haruo Matsuyama, Masayoshi Tabata</u>	3024
2Pd018	Precise control of the helical pitch of poly(alkyl propiolate) bearing a branched alkyl chain <u>Yoshiaki Yoshida, Asahi Motoshige, Yasuteru Mawatari, Chigusa Seki, Toshifumi Hiraoki, Haruo Matsuyama, Masayoshi Tabata</u>	3025
2Pc019	Synthesis and structure analysis of poly(alkyl propiolate)s bearing a branched alkyl chain which have a methyl group in difference position <u>Asahi Motoshige, Yoshiaki Yoshida, Yasuteru Mawatari, Chigusa Seki, Toshifumi Hiraoki, Haruo Matsuyama, Masayoshi Tabata</u>	3026
2Pd020	Helical pitch control Through side-chain structures of stereoregular poly(phenylacetylene) derivatives <u>Yasuteru Mawatari, Masayoshi Tabata</u>	3027

2Pc021	Substituted polyacetylenes as time memory material <u>Masayoshi Tabata</u> , Yasuteru Mawatari	3028
2Pd022	Analysis of oxidative group distribution on polyisoprene by SEC-MALLS <u>Makiko Enoki</u> , Antje Potthast, Thomas Rosenau	3029
2Pc023	Molecular Orientation of Natural Rubber under the fast magic angle spinning <u>Masashi Kitamura</u> , Atsushi Asano, Chikako Nakazawa(tanaka), Takuzo Kurotsu .	3030
2Pd024	Structural Analysis of Poly(lactic acid) by Solution NMR and Quantum Chemical Method <u>Koto Suganuma</u> , Ken Horiuchi, Hironori Matsuda, Akihiro Aoki, Tetsuo Asakura ..	3031
2Pc025	Characterization of polymer using SEC-SAXS <u>Makoto Takemasa</u> , Masahiro Fujita, Kazuki Ito, Mizuo Maeda	3032
2Pd026	Multi-nuclear NMR studies on Poly(propargylacetate) <u>Takahiro Sato</u> , Yoshiaki Yoshida, Yasuteru Mawatari, Masayoshi Tabata, Toshifumi Hiraoki	3033
2Pc027	NMR studies on conformation of poly(alkyl propiolate) bearing with branched side chain <u>Ryutaro Kobayashi</u> , Yoshiaki Yoshida, Yasuteru Mawatari, Masayoshi Tabata, Toshifumi Hiraoki	3034
2Pd028	Analysis of polymerization of poly lactic acid by LC/MS <u>Naomi Inoue</u> , Yasuo Numata, Hironori Matsuda, Masao Hirasaka	3035
2Pc029	Determination of Monomer Sequences in Methacrylate Copolymers by Means of Multivariate Analysis of ¹³ C NMR Spectra <u>Tatsuya Naono</u> , Hikaru Momose, Tomoya Maeda, Tomohiro Hirano, Koichi Ute	3036
2Pd030	Confocal Raman Microscopic Studis of Polymer Interfaces <u>Yu Nemoto</u> , Yoshitaka Takahashi, Masahito Sano.....	3037
2Pc031	Novel Refractive Index Distribution Measurement Method of an Optical Waveguide with Continuous Refractive Index Distribution <u>Tatsumi Yamada</u> , Yuki Hirabayashi, Eisuke Nihei	3038
2Pd032	Investigation of Chemical stability of Polymer Electrolyte Materials for Polymer Electrolyte Fuel Cell <u>Kayo Ohira</u> , Koh Kidena, Akihiro Ohira.....	3039
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2Pc033	Influence of third monomer on the crystal structure of ethylene-tetrafluoroethylene copolymer <u>Atsushi Funaki</u> , Kohji Tashiro	3040
2Pd034	Morphology of poly(1,4,-phenylene terephthalamide) single crystal <u>Yusuke Inoue</u> , Tetsuya Uchida, Tomohiro Kawamura, Kentaro Arimachi, Kunio Kimura	3041
2Pc035	Morphology and structure of single-walled carbon nanotube bundles and single crystals <u>Tetsuya Uchida</u> , Naoya Tsugawa, Takuya Akaishi	3042
2Pd036	Effect of drawing condition on fine structure and PVA/iodine complex formation <u>Daichi Fujiwara</u> , Nozomu Washio, Hiroshi Awano, Tatsuhiko Takahashi, Koichiro Yonetake, Kyota Kamikubo, Kumiko Oishi, Takanori Isozaki	3043
2Pc037	Foam Structure Control of Poly(L-lactide) Polymer Blends Using Crystallization by High-Pressure CO ₂ Treatment <u>Yusuke Suzuki</u> , Hironori Marubayashi, Shuichi Akasaka, Shigeo Asai, Masao Sumita..	3044
2Pd038	Easy Determination of Equilibrium Melting Temperature for Polyethylene Glycol By Using Samples Crystallized Under A Horizontal Temperature Gradient Akiyoshi Yasuda, Muneaki Yamane, Sono Sasaki, <u>Shinichi Sakurai</u>	3045
2Pc039	Crystal morphology in poly(ethylene oxide) thin films <u>Keita Yuguchi</u> , Kenji Nakamura, Koji Fukao	3046

2Pd040	Microphase-separated structure of Polyurethanes <u>Kazuya Kimura</u> , Ritsuko Hirakawa, Yoshiaki Shimodaira	3047
2Pc041	Complexation of syndiotactic polystyrene with crown ethers <u>Fumitoshi Kaneko</u> , Keita Sasaki, Natsuko Kashihara, Kenji Okuyama	3048
2Pd042	Small-Angle X-ray Scattering Studies on Nano-Structures in Poly(lactic acid)/Poly(ethylene glycol) Blends <u>Tien Nguyen Dung</u> , Hoa Ta Phuong, Go Kimura, Yuhei Yamashiro, Hisakazu Fujiwara, Yohei Mizuno, Masatsugu Mochizuki, Sono Sasaki, Shinichi Sakurai	3049
2Pc043	Branching of lamellar crystals on crystallization from poly(butene-1) thin film <u>Hiroshi Kajioaka</u> , Ken Taguchi, Akihiko Toda	3050
2Pd044	The Crystal Structure Analysis of Borate Pentanediol to Identify the Molecular Interaction between Boric Acid and PVA <u>Takahiko Ito</u> , Kohji Tashiro	3051
2Pc045	Synthesis and Physicochemical Characterization of Environmentally-Friendly segmented polyurethane(urea)s <u>Yoshihiko Oniki</u> , Tomoko Shirahase, Takamichi Shinohara, Moriya Kikuchi, Atsushi Takahara	3052
2Pd046	Complexation of syndiotactic polystyrene with the compounds composed of ethylene oxide units Fumitoshi Kaneko, <u>Keita Sasaki</u> , Kenji Okuyama	3053
2Pc047	Crystal Structures of Giant Ring-shaped Polyoxomolybdates <u>Kenjiro Uno</u> , Osamu Tsutsumi	3054
2Pd048	Effect of entanglement species on formation of shish-kebab structure of cyclic polyethylene Yuya Saito, <u>Shinichi Yamazaki</u> , Kunio Kimura	3055
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2Pd114	Analysis of herbal medicine by FTIR imaging <u>Kazuhiro Kitauchi</u> , Akihiro Ohnishi, Mareshige Kojoma, Hiromi Kimura-suda	4890
2Pd116	Cellular Membrane-Retaining Cationic Polymer with Artificial Ligands: Efficient Delivery of Nanoparticles into Cancer Cells <u>Katsuyuki Nambara</u> , Kenichi Niikura, Takaharu Okajima, Yasutaka Matsuo, Kuniharu Ijiro	4891
2Pc117	Simple synthesis of a library of phosphorylcholine compounds via Michael addition of MPC monomer and thiol compounds <u>Ryosuke Matsuno</u> , Kimiaki Takami, Kazuhiko Ishihara	4892
2Pd118	Fabrication of Fuctionally Graded Materials with protein and polyurethane <u>Takashi Saito</u> , Kenji Katsumata, Yoshio Inoue	4893
2Pc119	Construction of the organic/nonorganic hybrid nanoparticle by sialic acid recognition <u>Keita Nagakawa</u> , Kenichi Niikura, Noriko Ohtake, Tadaki Suzuki, Yasutaka Matsuo, Hirofumi Sawa, Kuniharu Ijiro	4894
2Pc121	Control of surface properties of filer paper by coating with various peptides <u>Daigo Jo</u> , Tomoyuki Koga, Nobuyuki Higashi	4895
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2Pd124	Estimation on three dimensional orientation of a single molecule using total internal reflection fluouescence microscopy <u>Toshinori Motegi</u> , Hideki Nabika, Kei Murakoshi	4898
2Pd126	Structural specificity to affect Molecular filtration of self-spreading lipid bilayer at nano-gate <u>Tomoki Sumida</u> , Hideki Nabika, Kei Murakoshi	4899
2Pc127	Characterization of bilayer structure in metallic nano-channel <u>Kazuya Fukagawa</u> , Tomoki Sumida, Hideki Nabika, Kei Murakoshi	4900
2Pd128	Control of molecular distribution in self-spreading lipid bilayer by substrate curvature <u>Takafumi Ogawa</u> , Hideki Nabika, Kei Murakoshi	4901
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2Pc131	Nano-toxicological evaluation of nanoparticles by their interactions with a cell monolayer <u>Chika Ochiai</u> , Keiji Fujimoto	4903
2Pd132	Creation and Application of a Bio-scaffold by Assembly of Polyarginine-coated Liponano-capsules <u>Saika Yamamoto</u> , Sachiko Kaihara, Keiji Fujimoto	4904

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2Pf002	Kinetic Study of Group Transfer Polymerization Catalyzed by Organic Acids <u>Shinya Iwamoto</u> , Kaori Chiba, Keita Fuchise, Ryosuke Sakai, Toshifumi Satoh, Toyoji Kakuchi	2639
2Pe003	Synthesis of stereoregular graft polymer of methacrylate and their stereocomplex formation <u>Takafumi Aiba</u> , Shinji Nakao, Takehiro Kitaura, Takafumi Nishiura, Tatsuki Kitayama	2640
2Pf004	Anionic polymerization of 5-hexyl-2-vinylthiophene <u>Sanae Takasugi</u> , Takashi Ishizone	2641
2Pe005	Anionic polymerization of styrene derivatives containing adamantylethynyl group <u>Hideo Shoji</u> , Takashi Ishizone	2642
2Pf006	Living Anionic Polymerizations of Methacrylates Containing Cage Silsesquioxanes with Various Organic Substituents <u>Yoshihito Ishida</u> , Raita Goseki, Masa-aki Kakimoto, Teruaki Hayakawa	2643
2Pe007	Photopolymerization between 1, 1, 1-Tribromoethane and Diphenylamine and Pattern Formation <u>Fumi Koyama</u> , Tsuyoshi Kawai	2644
2Pf008	Synthesis of Epoxy Resin Containing a Cardo Unit and Its Characterization <u>Zhaozhong Yi</u> , Kazuyuki Iwanaga, Yasuhito Koyama, Toshikazu Takata	2645
2Pf010	Synthesis of Styrene Derivatives for Polymer Blue Light-Emitting Material <u>Kenji Tsukada</u> , Fumihiko Iida, Eisuke Nihei	2646
2Pe011	Synthesis of polyisocyanide having crown ether pendants <u>Shingo Tokuhara</u> , Tomoko Sekine, Kiyotaka Onitsuka	2647
2Pf012	Syntheses of Linear and Network Polyesters by Solid-State Polycondensation of Ionic Molecular Crystals <u>Kazuhisa Yamoto</u> , Masayuki Nagata, Motohiro Aiba, Shin-ichi Matsuoka, Koji Takagi, Masato Suzuki	2648
2Pe013	Novel polymerization of unsaturated ketones by using proline-catalyzed Michael addition <u>Tatsuro Yamashita</u> , Naoto Okumura, Shin-ichi Matsuoka, Koji Takagi, Masato Suzuki	2649
2Pf014	Curing of epoxy resins using aminimides derived from benzoylformic acid esters as thermal/photolabile base catalysts <u>Manabu Kirino</u> , Ikuyoshi Tomita	2650
2Pe015	Dual-cure system of epoxides and acrylates using aminimides derived from benzoylformic acid esters as photobase/radical initiators <u>Manabu Kirino</u> , Ikuyoshi Tomita	2651

Variety and Universality in Soft Matter

(Room E313)

2Pe017	Effects of Addition of Carbon Nano Fibers on Phase Separation Dynamics of Polymer Blends Studied by X-ray CT <u>Hiroyuki Taniyama</u> , Natsuhiko Mukai, Yukihiro Nishikawa, Masaaki Takahashi ..	3371
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2Pf018	Study of stretch-induced density fluctuation of glassy polymer <u>Ryuta Izumi</u> ,Mikihito Takenaka,Hirokazu Hasegawa,Shin'ya Yoshioka	3373
2Pe019	Structural Phase Transition of <i>trans</i> -1,4-Polyisoprene (Gutta Percha) as Studied by X-Ray Diffraction and IR Spectral Measurements <u>Paramita Jaya Ratri</u> ,Kohji Tashiro,Masatoshi Iguchi	3375
2Pf020	Structural Changes in the Crystallization Process of Ethylene/Tetrafluoroethylene Copolymer on the Basis of IR and WAXD/SAXS Measurements <u>Raghunatha Reddy Kummetha</u> ,Kohji Tashiro,Atsushi Funaki,Suttinun Phongtamrug	3377
2Pe021	Isotope Effect on the Structural Change in the Crystallization Process of Polyoxymethylene Blends between Hydrogenated and Deuterated Species <u>Thontree Kongkhleng</u> ,Kohji Tashiro	3379
2Pf022	Kink Band Formation Mechanism of Oriented Poly(vinylidene Fluoride) under Compressive Force <u>Tran Hai Ninh</u> ,Kohji Tashiro	3381
2Pe023	Microphase-separated structures of diblock copolymer upon gradual changes in segregation power caused by chemical reaction <u>Siti Sarah</u> ,Daisuke Kawaguchi,Yushu Matsushita	3383
2Pf024	Effects of Chain Length on Polyvinylpyridine Block to Nanophase-Separated Structures of polystyrene- <i>b</i> -polyvinylpyridine Block Copolymer/Iron(III) Chloride Hybrids <u>Yoshio Sageshima</u> ,Atsushi Noro,Yushu Matsushita	3385
2Pe025	Birefringence of Stretched PDMS/Gold Nanoparticle Composite <u>Masatoshi Tosaka</u> ,Kazunobu Senoo	3387
2Pf026	Birefringence of Stretched Tetra-PEG <u>Masatoshi Tosaka</u> ,Yuki Akagi,Takuya Katashima,Takamasa Sakai,Yusaku Nomoto,Mitsuhiro Shibayama	3389
2Pe027	Structure of microphased separated nanocomposite gel under elongation <u>Toshihiko Nishida</u> ,Hitoshi Endo,Akira Ohbayashi,Kazutoshi Haraguchi,Mitsuhiro Shibayama	3391
2Pf028	Structural analysis for sulfur cross-linked styrene-butadiene rubber as revealed by small angle neutron scattering <u>Hanako Asai</u> ,Mitsuhiro Shibayama,Yuko Ikeda,Shinya Minoda,Atitaya Tohsan .	3393
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2Pf030	Crystallization Behavior of Crystalline-Liquid Crystalline Block Copolymers <u>Hiroki Takeshita</u> ,Yuki Sakima,Hiroataka Sekine,Masamitsu Miya,Katsuhiko Takenaka,Tomoo Shiomi	3397
2Pe031	Morphological study of triblock terpolymer melts by 3D-SAXS <u>Takashi Chijiwa</u> ,Satoshi Akasaka,Nikos Hadjichristidis,Hirokazu Hasegawa, Mikihito Takenaka	3398
2Pf032	Analysis of microphase-separated structure in polystyrene-block-polyvinylpyrrolidone amphiphilic diblock copolymer <u>Naotaka Suenaga</u> ,Kuniaki Matsuda,Go Sakaguchi,Kenji Saijo,Mikihito Takenaka, Hirokazu Hasegawa,Yukie Kitada,Yasuyuki Nakamura,Shigeru Yamago	3399
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2Pf034	Morphology Transition of Block Copolymers in Supercritical Carbon Dioxide <u>Masateru Ito</u> , Yasuhiro Sakai, Hideaki Yokoyama, Kohzo Ito, Kenji Sugiyama.....	3403
2Pe035	A variety of phase-separation structures in ternary polymer blends studied by high-contrast X-ray CT <u>Shungo Iizuka</u> , Yukihiro Nishikawa, Masaoki Takahashi	3404
2Pf036	Three-dimensional Structure and Rheology of PP/Cellulose Fiber Composites <u>Toshiaki Hamada</u> , Katsura Higuchi, Yukihiro Nishikawa, Masaoki Takahashi, Masahiko Itakura	3406
2Pe037	Conformational Changes of Lipophilic Polyelectrolytes in Nonpolar Media <u>Kazuya Iseda</u> , Toshikazu Ono, Kazuki Sada.....	3408
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Polymer Physics: Structure and Properties

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2Pf044	Formation of Percolation Network of Carbon Nano Fibers Utilizing the Bicontinuous Structure of Polymer Blends : Structure Observation <u>Natsuhiko Mukai</u> , Yukihiro Nishikawa, Masaoki Takahashi	3084
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2Pf054	Coincident Crystallization and Melting Behavior of Crystalline-Crystalline Diblock Copolymer with Close Crystallizable Temperatures <u>Yoshimasa Fukagawa</u> , Cheng Gong, Jun Matsumoto, Shuichi Nojima	3094
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- 2Pe129 Surface Modification of Engineering Plastic Using Specific Binding Peptide
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- 2Pf130 Orientation of collagen fibers related to the mechanical stress in the human lung
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- 2Pe131 Potential of Polysaccharide Composite Films as Biomedical Materials
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- 2Pf132 ODN delivery using high-pressurized lipoplexes
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Friday, September 17

Presentation Time

<a=10:20 ~ 11:00>

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- 3Pa001 An efficient electrochemical modification of conjugated polymer film
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- 3Pb002 Improvement of polyimide via chemical modification of polyamide acid
Keita Asamori, Kaoru Adachi, Yasuhisa Tsukahara 2653
- 3Pa003 Mechanism of sequence formation in partial click reaction of poly(propargyl
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Ryosuke Tachibori, Takehiro Kitaura, Tatsuki Kitayama 2654

3Pb004	Synthesis of Stimuli-responsive Polysilsesquioxane by Click Chemistry <u>Shin-ichi Yamamoto</u> , Taiki Hiraga, Fukutaro Minami, Yohei Miyasaka, Osamu Moriya	2655
3Pa005	Polymer Reaction Using the Terminal Active Ester of Hyperbranched Polymer <u>Atsushi Kameyama</u> , Terutoshi Kobayashi, Syouta Uchida, Makoto Miyasaka.....	2656
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Polymer Physics: Structure and Properties

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3Pa019	Liquid crystalline conjugated oligomers - Mesomorphic properties of phenyleneethynylene-based oligomers with lateral and terminal alkyl chains (2) <u>Tetsuo Yatabe</u> , Yuji Kawanishi	3121
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3Pa021	Synthesis of Polyisocyanides in a Chiral Liquid Crystal Medium <u>Satoshi Ohkawa</u> , Reina Ohta, Hiromasa Goto	3123
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3Pa023	Liquid Crystalline Behavior of Comb-Shaped Polymers with Trifluoromethyl Group <u>Yushi Kikuchi</u> , Takenori Kojo, Seiji Ujiie	3125
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Functional Polymers and Polymer Functions

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