

NIMS Conference 2014 Poster Session

Date: Evening, July 2, Wednesday

Place: Multi Purpose Hall (1F), Tsukuba International Congress Center

Poster Number		Presenter Name	Abstract Title
P001	Sajna	Kappamveettil	Modularized Synthesis of Metal-Organic Complex Arrays
P002	Daigo	Miyajima	Development of a graphitic carbon nitride thin film
P003	Youn Soo	Kim	Anomalous Anisotropic Thermoresponse of NIPAM-based Hydrogels Doped with Uniformly Aligned Inorganic Nanosheets
P004	Jiheong	Kang	Unique Self-assembling Behavior of C_5 -symmetric Corannulene with Amide-appended Side Chains
P005	Koji	Takagi	Synthesis and characterization of conjugated materials including fused-imidazole unit
P006	Prasanthkumar	Seelam	Controlled Self-Assembly of Hexabenzocoronene Amphiphiles and Its Applications
P007	Eisuke	Goto	Controlled synthesis of conjugated polymers using tBu_4ZnLi_2
P008	Taehoon	Kim	Supramolecular Polymers of Propeller-shaped Aromatic Molecules
P009	Tsukuru	Masuda	Self-oscillating polymer brushes
P010	Chunhui	Zhao	Twisting Polythiophene Backbone through Cyclopolymerization of Gemini Thiohene Monomers
P011	Daisuke	Aoki	Synthesis and characterization of linear/star-shaped topology-transformable block copolymers linked by mechanical linkage
P012	Ken	Okamoto	Simple synthesis of chalcogen end-functionalized regioregular poly(3-hexylthiophene)s
P013	Przemyslaw Dominik	Gacia	Simple synthetic route towards nano-structured materials with potential catalytic applications.
P014	Yoshihide	Mizukoshi	<i>ortho</i> -Aryne Polymerization
P015	Ippei	Fukuda	Water-soluble Rosset Hydrogen-bonded Supramolecular Assemblies of Perylene Bisimide
P016	Yoshifumi	Amamoto	Self-Healing Polymers Based on Photo-Induced Radical Reshuffling Reactions

P017	Mingjie	Liu	Photolatently modulable hydrogels using unilamellar titania nanosheets as photocatalytic crosslinker
P018	Masaru	Mukai	Syntheses and Characterization of Self-oscillating Polymer Gel Catalyzed by Iron Complex
P019	Takashi	Sato	Near-infrared electrochromism in heterometallo-supramolecular polymers
P020	Teppeï	Kawamoto	Effect of Functional Groups for 2D Molecular Assembly of Co(II) Porphyrin Derivatives
P021	Takao	Ochiai	Mixed alkanethiol-SAM on large-sized (> 10 nm) gold nanoparticles for enhancement of their self-assembly on an ITO substrate
P022	Tetsuo	Yatabe	Biaxially Extended Conjugated Mesogens: H-shaped Tetrakis(phenylethynyl)-substituted Bithiophenes Exhibiting Nematic Phases
P023	Pradyot	Koley	Fabrication of Organic/Inorganic Hybrid Nanoflowers from Silk Protein Sericin
P024	Wataru	Nakano	Additive Effect of Precision Polymers on Dynamic Photopolymerization Process
P025	Miho	Aizawa	Fabrication of Oriented Polymer Films with Periodic Structures by Dynamic Photopolymerization
P026	Yoshihiro	Ohta	Synthesis of Defect-Free, High-Molecular-Weight, Graft Polymer with Narrow Molecular Weight Distribution by Radical Polymerization of Well-Defined Hyperbranched Polyamide Macromonomer
P027	Masataka	Nojima	Similar and Different Behavior of Catalyst-Transfer Condensation Polymerization with Several Catalysts
P028	Yukihiro	Sugao	Hopping Behavior of Impurity Particles in Charged Colloidal Crystals
P029	Tomoya	Sato	Preparation of Linear Polymers with Mid-chain Alkoxyamine Functionality and Transformation to Block Copolymers via Dynamic Covalent Exchange
P030	Chih-Feng	Huang	Surface-initiated ATRP from TEMPO-Oxidized Cellulose Nanofibers and Its Application to Nanocomposites
P031	Yuki	Kasuya	Cell growth oriented by Fullerene Nanowhiskers
P032	Kosuke	Suzuki	Friction Force Oscillation on Shape-Tunable Wrinkles
P033	Masaki	Tsuchiya	Preparation of monodisperse double emulsions in 3D microfluidic devices fabricated by stereolithography

P034	Atsushi	Takei	High Aspect Ratio Surface Patterning by Using Bi-layer System and Its Application
P035	Norihisa	Akamatsu	Surface Strain Analysis of Bending Silicone Rubber Films
P036	Kenji	Tsuchihara	Development and Optical Control of Stimuli-responsive Conjugated Polymers
P037	Takahiro	Kosuge	Properties of Elastomers Containing Diarylbibenzofuranone in Hard or Soft Domains Prepared by Sol-gel Method
P038	Hironori	Oka	Dynamic Covalent Mechanochromic Polymers with Diarylbibenzofuranone Functionality in the Center of Polymer Chains
P039	Hiroimitsu	Sogawa	Structural Switching and Application of Exact Helical Foldamer Containing C ₂ -Chiral Spirobifluorene Units
P040	Shiki	Nojima	Precise Characterization of Crystalline Fluoroacrylate Containing Diblock Copolymer Thin Film Surfaces by Synchrotron Radiation Soft X-ray Photoelectron Spectroscopy
P041	Tomoyasu	Hirai	Precise Control of Higher Order Structure in Perylenediimide Side Chain Polymers
P042	Keiko	Yoshizawa	Stimulation of angiogenesis by growth factor-free porous adhesive films fabricated with hexanoyl group modified gelatin
P043	Takeshi	Sato	Self-healing Hydrogels with Arbitrary Shapes using Photo Cross-linkable Polymers.
P044	Michal Jerzy	Wozniak	Toxicity of Nanoparticles (NPs) – A Comprehensive Approach on the Example of Apatite Particles
P045	Ryo	Mizuta	Hydrophobically modified, cod-derived gelatin-based surgical sealants strongly adhere on wet blood vessel
P046	Eijiro	Miyako	Functional Nanocarbon Composites for Nanobiotechnology
P047	Yasuhiro	Nakagawa	Synthesis and Characterization of Phosphoryl Serine-derived Polymers
P048	Karim	Ali	Molecular mechanism of DNA damage induced by TiO ₂ nanoparticles in TLR3 or 4 transfected HepG2 cells
P049	Babita	Shashni	Potential Role of Transcriptional Factor PPAR gamma in Breast Cancer Therapeutics
P050	Hirokazu	Komatsu	Activation and imaging of NAD(P)H in living cell via artificial promoter

P051	Utpal	Rana	In Vitro Studies on ct-DNA interaction with Metallo-Supramolecular Oligomers
P052	Yohei	Kotsuchibashi	Design of Multi-Functional (Ethylene Glycol)-Based Nanoparticles
P053	Takaharu	Okada	Inactivated Sendai Virus Immobilized Film for Creating a Bioactive Surface
P054	Tomas	Tamulevicius	Electrospinning and laser drilling in production of biocompatible polymer scaffolds
P055	Toru	Nakayama	β -Sheet Formation from Polar Fmoc-Peptides for Arranging Charged Side Chains on Both Sides
P056	Zhenyu	Gao	Develop of novel boron-containing nanoparticles obtaining lowest dose of ^{10}B for effective boron neutron capture therapeutics
P057	Przemyslaw	Oberbek	AFM analysis of agglomerated nanosized hydroxyapatite
P058	Qinghui	Shou	Surface modification of gold nanorods in the mixture of water and polar organic solvents
P059	Md. Delwar	Hossain	Cu(II)-Based Metallo-Supramolecular Polymers with DNA Binding Properties
P060	Kohei	Sugaya	Gel-Like Capillaries for Long-Distance Transport of Sugar Solutions
P061	Ryohei	Kawamura	Biomimetic Thin Films with Surface Shield Effect "Nanosuits" by Plasma Irradiation of Amphiphilic Molecules
P062	Kentaro	Ichiki	Preparation and application of Poly (3,4-ethylenedioxythiophene) (PEDOT)/Protein nanoparticle and discussion of its synthetic mechanism.
P063	Masahide	Shibata	Exploration of novel solubilization surfactants, having different solubilization efficiency for different membrane proteins.
P064	Tomoyuki	Suzuki	Synthesis of novel surfactants able to extract the subunit proteins of phycobilisome from thylakoid membranes, and application to efficient isolation of PSII.
P065	Shuhei	Koeda	Immobilization of photosystem I into silica/polymer hybrid gels.
P066	Nien Chi	Huang	Nanosheet-based transfection of naked DNA
P067	Koichiro	Uto	Fluidity of Substrate Impacts on Cell Morphology and Functions

P068	Bolek	Tomasz	Cytotoxicity Assessment of Hydroxyapatite Nanoparticles on BEAS-2B and A549 cell lines
P069	Koki	Namekawa	Smart Nanofiber composites for removal of uremic toxins
P070	Venkata Rao	Kotagiri	Structural Control over Supramolecular p-n Hetero-Junction Nanostructures
P071	Chengjun	Pan	Picket-Fenced Polythiophene and its Diblock Copolymers that Afford Microphase Separations Comprising a Stacked and Isolated Polythiophene Ensemble
P072	Mitsuharu	Suzuki	Photovoltaic Performance of Bulk Heterojunction Thin Films Prepared through the Photoprecursor Approach
P073	Jinjia	Xu	Full Color Fluorescence From RGB Trichromophoric Nanoparticle System Assisted By Dual-FRET in Aqueous Medium Towards Visual Bio-sensing
P074	Mai	Otsuka	Cross-coupling Reaction of Monocarbonyl-dodecaborate for Functional Molecules
P075	Mika	Suzuki	Formation of Supramolecular Rosettes by Barbituric-Acid-Capped Oligo(hexylthiophene)s and Their Application in Organic Photovoltaics
P076	Mitsuaki	Yamauchi	Control over Self-Assembly Pathway through Photoreaction of Stilbene Supramolecular Building Blocks
P077	Arata	Sato	Improved performance of multilayer OLED fabricated by ultrasonic deposition
P078	Keisuke	Tajima	Vertical Orientation of Semiconducting Polymers in Thin Films by Self-organization
P079	Pradip Kumar	Sukul	Luminescent Hydrogel of Perylene Derivatives for Biological Application
P080	Takeshi	Terauchi	Structures and Physical Properties of Novel p-Expanded TTF Derivatives
P081	Shuto	Ito	Fabrication and Optimization of Spontaneous Water Transport Systems Driven by Microstructures
P082	Taisuke	Matsuno	Bottom-up Synthesis of π -Lengthened Finite Single-Wall Carbon Nanotube Molecules and Proposal of New Geometric Descriptors
P083	Shinpei	Yamamoto	Photoconvertible Precursors of Anthracene–Benzothiadiazole Conjugates for Solution-Processed Organic Photovoltaics

P084	Jianming	Huang	D-A Copolymers Based on Dioxocyclohexene-annelated Thiophenes as Acceptor Unit: Synthesis, Electronic Properties and Photovoltaic Cells Characteristics
P085	Akinobu	Matsumoto	Novel synthetic strategy of a peri-pentacene skeleton
P086	Hiroyuki	Ueda	Electrochemical Multiple Redox Control of a C ₆₀ -modified Au(111) Electrode in Ionic Liquids
P087	Hironobu	Hayashi	Multicomponent Surface Architecture by Self-Organizing Surface Initiated Polymerization and Templated Stack Exchange Strategies
P088	Fengniu	Lu	A Highly Selective and Sensitive Turn-on Chemodosimeter for Hypochlorous Acid Based on An Iridium(III) Complex and Its Application to Bioimaging
P089	Kohei	Yazaki	Selective Recognition of Long Hydrocarbons by a molecular nanotube with anthracene panels
P090	Zishuo	Yao	Molecular Motor-Driven Abrupt Anisotropic Shape Change in a Single Crystal of a Ni Complex
P091	Yuki	Yamada	Photoinduced Ring-Opening of Self-Assembled Nanorings
P092	Huynh Thien	Ngo	Functional Porphyrinoid Conjugates – Complex Organic Systems toward Functional Materials
P093	Hiroaki	Ozawa	Electrochemical Properties of Mixed-Valence Ruthenium Complex Wrapping Single- Walled Carbon Nanotubes
P094	Yosuke	Chiba	Photo-Inversion of Supramolecular Chirality in the Self-Assemblies of Azobenzene Dyad.
P095	Masahiro	Abe	Organic Field Effect Transistors with High Mobility and Thermal Stability
P096	Masaki	Nagashima	Intramolecular Hydroamination of Polyallylurethanes with A Macrocyclic Catalyst and Its Application to Long-Range Molecular Motor System
P097	Masahiro	Ogawa	Synthesis and Cavity Size Effect of Palladium-containing Macrocyclic Catalysts toward Intramolecular Hydroamination of Allylurethanes
P098	Masataka	Yamashita	Synthesis and oxidative properties of bisanthranthrene
P099	Kuniyo	Yamada	Chiral Molecular Flasks from Supramolecular Liquid Crystalline Salts of Recognition, Separation, Transformation, and Alignment of Target Molecules

P100	Yoko	Sakata	Construction of Light-Induced Polarity Switching System Based on Dipyrinone-Pyrrole Carboxylate Hydrogen Bonding Module
P101	Keita	Hagiwara	An Aqueous Molecular Tube with Anthracene Frameworks Capable of Binding Coumarin Dyes
P102	Agnieszka	Zielinska	Self-assembly Control of Spin-active Molecules Towards Soft-materials with Multiple Functions
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P107	Jing	Wang	Laser-pointer driven nonlinear optical effect in hybrid-aligned dye-doped liquid crystals
P108	Hanggara	Sudrajat	Facile Synthesis and Photocatalytic Activity of Graphitic Carbon Nitride
P109	Tetsuya	Kako	Enhanced photoelectrochemical property for 3D photonic crystal of WO ₃ with inverse-opal structure
P110	Hideto	Shibagaki	Fabrication of Photothermal Carbon Nanohorn-Amphiphilic Molecules Hybrid Films by Plasma-Polymerization
P111	Kenichi	Tabata	Self-Assembled Microspheres from π -Conjugated Alternating Copolymers as Fluorescent Resonators
P112	Liang	Tong	Spherical Assemblies from π -Conjugated Alternating Copolymers: Size Control, Optoelectronic Properties, and Self-Organized Arrays
P113	Fabien	Grasset	Highly Luminescent Soft Materials Based on Nanoclusters or Nanoparticles
P114	Tomohiro	Ichikawa	Asymmetric photoreaction of a diarylethene in two-component crystals with chiral molecules
P115	Kyohei	Hisano	Control of Molecular Alignment by Photopolymerization with Moving Light
P116	Masaki	Ishizu	Effect of Rubbing Treatment on Photopolymerization Induced Molecular Alignment
P117	Domantas	Peckus	Optical properties of organic molecules and metal nanoparticle composites.

P118	Takahiro	Oguma	Fabrication of Polymer Films with Aligned Phenyl Benzoate Using Dynamic Photopolymerization
P119	Hitomi	Sugiyama	Control of thermosensitivity of gel-immobilized tunable colloidal photonic crystals
P120	Catherine	Ryan	Silica-based photonic crystals embedded in a chitosan-TEOS matrix: preparation, properties and applications
P121	Tsutomu	Sawada	Fabrication of Large-Area Photonic Rubber Sheets by Shearing Processes
P122	Linas	Simatonis	Formation of sub-wavelength pitch regular structure for optical sensing applications employing automated multiple exposure holographic lithography setup
P123	Shigeru	Okamoto	Single Diamond Structure for Photonic Crystals in Block Copolymer Systems
P124	Satoru	Sato	Self-assembly of Donor–Acceptor Dyads Having an Organoplatinum(II) Complex for Homoselective Intermolecular Interaction
P125	Rakesh Kumar	Pandey	Proton Conductivity of Mo-based Metallo-Supramolecular Polymers Films
P126	Chih-Yu	Hsu	Solvent Effect on a Co(II)-Based Metallo-Supramolecular Polymer
P127	Hamish	Yeung	Nanoscale Design of Coordination Polymers: New Materials for Energy Storage
P128	Jian	Zhang	Electrochromic Gel with Metallo-supramolecular Polymer for Stretchable Display
P129	Makoto	Yoneya	Self-assembly simulation of 2-D and 3-D metal-organic frameworks
P130	Kouhei	Yonezawa	Carrier Formation Efficiency in Organic Photovoltaic
P131	Chanchal	Chakraborty	Pt(II)-Based Metallo-Supramolecular Polymers with unidirectional polarity: Synthesis, Characterization and Electronic properties
P132	Kohsuke	Kawabata	Improved Synthesis and OFET Application of Thienothiophenedione-based Semiconducting Polymers
P133	Takumi	Nagashima	Molecular Diode on Hetero-Layer Junction Films of Two Ru Dinuclear Complexes with Different Redox Potentials

P134	Kazuaki	Kawashima	5,10-Diborylated naphtho[1,2-c:5,6-c0]bis[1,2,5]-thiadiazole: a ready-to-use precursor for the synthesis of high-performance semiconducting polymers
P135	Yingjie	Liao	Self-assembly of Poly(3-hexylthiophene-2,5-diyl) in Pulse Driven Electrospray Deposition
P136	Kosuke	Shibasaki	Syntheses and Photovoltaic Properties of D-A Type Narrow Band Gap Copolymers Based on Benzo[1,2- <i>b</i> :4,5- <i>b'</i>]dithiophene as Electron Acceptor Unit
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P140	Kyohei	Nakano	Automatic Formation of Phase-separated, Interpenetrating Structure in Bulk Heterojunction of Liquid Crystalline Donor and PCBM Acceptor
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P144	Mohan	Krishnan	Fabrication of Mesoporous Polymer Nanofibre Network: Functionalisation and Their Application in Removal of Aromatic Compounds from Water