

**The 57th Divisional Meeting on Colloid and Surface Chemistry,
the Chemical Society of Japan
with The 2004 Japan-Australia International Symposium**

Sep. 9-11, 2004, Tokyo University of Science, Yamaguchi

Oral Presentation

Room S

Sep. 10 (Fri.)

Plenary Lectures

Chairperson KITAHARA Fumio (14:20-15:10)

- 2S01** Taking a Lesson from the Past in Surface Chemistry (Professor Emeritus of the University of Tokyo) TAMARU Kenzi

Chairperson TOSHIMA Naoki (15:20 -16:10)

- 2S02** Metal Nanoparticles for Future Nanodevices (Universität GH Essen) SCHMID Günter

Award Lectures

Chairperson ABE Masahiko (16:20-17:10)

- 2S03** Nanocrystals as a Class of Macromolecules (University of California, Berkeley) ALIVISATOS A. Paul

Chairperson TSUJII Kaoru (17:20 -18:10)

- 2S04** Water and Other Complex Liquids Confined between Solid Surfaces: Steric Stabilization, Nanotribology and Biolubrication (University of Oxford, Weizman Institute of Science) KLEIN Jacob

Room A

LB & SAM

Sep. 9 (Thu.)

Chairperson KAWAI Takeshi (9:10-10:40)

- 1A01** Collapse and Self-Reconstruction of Mesoscopic Architectures of Supramolecular J Aggregates
YAO Hiroshi, ISOHASHI Takeshi, KIMURA Keisaku
- 1A02** Formation of Ceramic Nanosheet Using Water Layer in Lamellar Phase as Reactive Confined Field
ADACHI Motonari, NAKAGAWA Keizo, SAGO Kensuke, MURATA Yusuke
- 1A03** Formation of Nanoparticle Assembly by Dissipative Structures
SAWADAISHI Tetsuro, SHIMOMURA Masatsugu
- 1A04** [Invited] Enantioselective Anion Exchange on Poly(L-Lysine) Layer Assembled by Surface Sol-Gel Process
SHARMISTHA Paul, ICHINOSE Izumi

Chairperson MIURA Yasuhiro (10:40-12:00)

- 1A05** A Clarification of Restoration Mechanism of Human Damage Hair Treated with Various Care Ingredients Using Hair Model Surfaces
KAGEYAMA Motohiro, NAGAHARA Yasuo, NISHIDA Yuichi, TAKADA Koji, YAHIRO Yuki, IIMURA Ken-ichi, KATO Teiji
- 1A06** Preparation of ZnS Thin Film at the Air/Water Interface
IGARASHI Yuuki, KONDO Takeshi, KAWAI Takeshi
- 1A07** Micro-Phase Separation in Spread Monolayers of Fluorinated Organosilnaes
IIMURA Ken-ichi, TAN Chekyoung, YANO Yukie, KARIKOMI Michinori, KATO Teiji
- 1A08** Shrinkage of Cultured Cell PC12 by High Pressure Stimulation
MIWA Tetsuya, TAKAYAMA Tomoji, KOYAMA Sumihoro, KONISHI Satoshi, AIZAWA Masuo, YOSHIMURA Hideyuki

Chairperson TAKENAGA Mitsuru (13:20-14:30)

- 1A10** [Invited] Structure and Properties of Highly-Conductive LB Films Based on Dialkyltrimethylammonium-Au(dmit)₂ Salt

MIURA Yasuhiro, MORITA Shin-ichi, WATANABE Ryo, SUGI Michio, HEDO Masato, UWATOKO Yoshiya

- 1A11** Characterization for Magnetic Properties and Low-Dimensional Structures of CT Complex of 2-Octadecyl-TCNQ and Decamethylferrocene.
SATO Makoto, KOSAKA Masashi, MOURI Nobuo, NAKAHARA Hiroo
- 1A12** Monomolecular Layers of Triacylglycerols
OGINO Keizo, MATSUDA Kazuhiro, SAKAI Hideki, ABE Masahiko

Chairperson NAKAMURA Takayoshi (14:30-15:40)

- 1A13** Study of Composite Monolayers of Surfactants at the Interface between Water and H-Si(111) Surface
SUZUKI Masato, IMANISHI Akihito, NAKATO Yoshihiro
- 1A14** Photoelectrochemical Films of Zinc Porphyrin and Titaniananosheet Fabricated by LB Method
AKATSUKA Koshu, MURAMATSU Masaru, SAKAI Takayoshi, EBINA Yasuo, HAGA Masa-aki
- 1A15** Control of Nano-Structure of Porphyrin J-Aggregate LB Film
SAKAI Masaki, HORIKAWA Noriko, NAKAZAKI Jotaro, SEGAWA Hiroshi

Chairperson KIMIZUKA Nobuo (15:40-16:40)

- 1A16** Surface Modification with Fluorinated Polymer Nanosheets
AMINUZZAMAN Mohammad, MITSUISHI Masaya, MIYASHITA Tokuji
- 1A17** Mixed Mono- and Multilayers Containing Comb Polymers with Hydrocarbons or Fluorocarbons.
ONOGI Ryou, FUJIMORI Atsuhiko, VILLENEUVE Masumi, NAKAHARA Hiroo
- 1A18** Structural Estimation of Organized Molecular Films for Fluorinated Comb Copolymer
FUJIMORI Atsuhiko, MASUKO Toru, ITO Eisuke, HARA Masahiko, KANAI Kaname, OUCHI Yukio, SEKI Kazuhiko

Chairperson SAKAI Hideki (16:40-17:40)

- 1A19** Analysis and Formation Mechanism of Micro Phase-Separated Structures in Mixed Spread Monolayers of *N*-Alkyl Fatty Acids and a Perfluoropolyether Acid
SHINOZAKI Masami, SHIRAKU Tatsuya, IIMURA Ken-ichi, KATO Teiji
- 1A20** Influence of Amphiphilic α -Helical Peptide (Hel 13-5) with Phosphatidylcholines at the Air-Water Interface
NAKAHARA Hiromichi, LEE Sannamu, SUGIHARA Gohsuke, SHIBATA Osamu
- 1A21** Immobilization of Stretched Long DNA by LB Technique
IJIRO Kuniharu, HASHIMOTO Yuichi, MATSUO Yasutaka

Sep. 10 (Fri.)

Chairperson HASEGAWA Ken (9:00-10:10)

- 2A01** [Invited] Langmuir, Langmuir-Blodgett and Layer-by-Layer Films of Biomacromolecules
LEBLANC Roger M.
- 2A02** Visual Sensing of Environmental and Bio-Related Chemicals Based on Peptide Based LB Films
KINOSHITA Takatoshi
- 2A03** Phase Behavior in the Langmuir Monolayer of Mycolic Acids
VILLENEUVE Masumi, KANASHIMA Hideki, KAWAI Mizuo, WATANABE Motoko, NAKAHARA Hiroo

Chairperson KAWAMATA Jun (10:10-11:20)

- 2A04** Relaxation Processes of Photoexcited State Porphyrins in Organized Molecular Films
SUDO Masao, INDO Yoshimi, SAKAMOTO Akira, NAKAHARA Hiroo
- 2A05** Multiple-Angle Incidence Resolution Spectroscopy: A New Approach of Characterization of Structural Anisotropy in Thin Films
HASEGAWA Takeshi.

2A06 Interactions between Cationic and Cationic Surfactants in Mixed Adsorbed Films and Mixed Micelles
FUJIO Katsuhiko, NAKAGAWA Kazunori, OZEKI Sumio

Chairperson IIMURA Ken-ichi (11:20-12:20)

2A07 Size Dependence of Au Nanoparticles in Hybrid Network Structure of Nanowire-Au Nanoparticle.

TATEWAKI Yoko, AKUTAGAWA Tomoyuki, NAKAMURA Takayoshi, HASEGAWA Hiroyuki, MASHIKO Shinro, BECHER Jan

2A08 Adsorption Structures of Functional Dyes onto the Different Cationic Langmuir-Blodgett Films and Effect of Molecular Arrangements on Dye Molecules

TSUKAMOTO Osamu, SAKAMOTO Akira, NAKAHARA Hiroo

2A09 Monolayer Behavior of Mixed Systems of a Phospholipid (DPPC) with Two Hybrid Type Amphiphiles

SUGIHARA Gohsuke, MORIKAWA Yoko, LEE Sannamu, SHIBATA Osamu, CHANG Chien-Hsiang, YOSHINO Norio

Sep. 11 (Sat.)

Chairperson KANESHINA Shoji (9:10-10:30)

3A01 Estimation of the Lipid Bilayer Packing Stress Using Dipyrnylphosphatidylcholine

KAMO Tomoari, NAKANO Minoru, HANDA Tetsuro

3A02 Spreading of Lipid Membrane on Solid Substrate with Periodic Metal Array

NABIKAWA Hideki, SASAKI Atsushi, TAKIMOTO Baku, MURAKOSHI Kei

3A03 Functional Hollow Capsules Formed with Polyelectrolyte Multilayer Films and Lipid Bilayer Membranes

KATAGIRI Kiyofumi, CARUSO Frank

3A04 Separated Polymerization of a Polymerizable Surfactant and Acrylamide in One-Pot Organized Reaction.

OZAWA Jun, MATSUO Goh, KAMO Naoki, TSUJII Kaoru

Chairperson KINOSHITA Takatoshi (10:40-11:40)

3A05 Development of Liposome Immobilizing Material with Small Peptide (3) Interfacial Location of Peptides and Efficiency of Immobilizing Liposome

KASUYA Yuzo, TOKUDA Yuko, HIRAI Naoki, IKEDA Yasuyuki, MATSUMURA Kazunari

3A06 Interdigitation in the Phospholipid Bilayers: Observation by the Fluorescent Probe Method

MATSUKI Hitoshi, KUSUBE Masataka, TAMAI Nobutake, KANESHINA Shoji

3A07 Bilayer Phase-Separation in the Mixed Membranes of Phospholipid and Cholesterol: Observation by the Fluorescent Probe Method

KANESHINA Shoji, MATSUKI Hitoshi, TAMAI Nobutake, KUSUBE Masataka, MORIBAYASHI Nobutaka

Chairperson NAKAHARA Hiroo (12:50-14:10)

3A09 Photo-Induced Morphological Change of Cell-Sized Lipid Vesicles

HAMADA Tsutomu, SATO Yuko, NAGASAKI Takeshi, YOSHIKAWA Kenichi

3A10 Preparation of Quasi-Microbes by Liposome and Application for UV-Light Disinfection

SUZUKI Hisako, OGAWA Shoujirou, OTAKI Masashiro

3A11 Anti-Oxidant and Anti-Cancer Property of Metalloporphyrin/Liposome System with Circulation Persistence

OGATA Akihiko, YAMAGUCHI Aritomo, OYAIZU Kenichi, KAWAKAMI Hiroyoshi, YUASA Makoto

3A12 Pulsed Magnetic Field Control of the Liposome Size

TAKAHASHI Taisuke, SUZUKI Osamu, KIDO Giyuu, OZEKI Sumio

Room B

Nanoparticles

Sep. 9 (Thu.)

Chairperson HARADA Masashi (9:10-10:10)

1B01 Preparation of Prussian Blue Nano-Particles and their Properties
SHIBA Fumiyuki, TSUBOYA Ryusuke, OKAWA Yusuke, OHNO Takashi

1B02 Neutron Diffraction Study of the Initial Stage of Crystallization in Some Glassy Aqueous Solutions

INABA Akira, SAKISATO Naoki, BICKERSTAFFE A.K., CLARKE S.M.

1B03 Synthesis and Properties of Layered Ferric Octyl and Phenyl Phosphates

TANAKA Hidekazu, MATSUOKA Naoki, MURAKAMI Masahiko, HINO Ryozi

Chairperson OHSHIMA Hiroyuki (10:10-11:20)

1B04 Mechanism of the Size and Shape Control of Monodispersed Copper(I) Oxide Particles

SUGIMOTO Tadao, AOKI Akira

1B05 Synthesis and Structural Analysis of Silver Nanoparticles in Water-in-Supercritical Carbon Dioxide Microemulsion

HARADA Masafumi, KIMURA Yoshifumi

1B06 Synthesis of CeO₂ Particles Using Anion Surfactant/Cyclohexane Solution and their Morphologies

ITO Hiroki, KONNO Kijirou

Chairperson SUGIMOTO Tadao (11:20-12:20)

1B07 The Synthesis of Co and their Pt Alloy Nanoparticles in Nonaqueous Systems

YAMAMURA Kentarou, KONNO Kijirou

1B08 Preparation of Hybrid Metal Nanoparticles

IWAKOSHI Ayako, NANKE Taizo, ISHIBASHI Hideo, KOBAYASHI Toshikatsu

1B09 Fast Switching of Frequency Modulation Twisted Nematic Liquid Crystal Display Fabricated by Doping Metal Nanoparticles and its Dielectric Property

MIYAMA Tomohiro, SHIRAKI Hiroyuki, SAKAI Yoshio, OH-KOCHI Masafumi, KOBAYASHI Shunsuke, MASUMI Takenori, SHIRAIISHI Yukihide, TOSHIMA Naoki

Chairperson KONNO Kijiro (13:30-15:00)

1B10 Action Spectrum of the Photochemical Formation of Gold Nanorods

NISHIOKA Koji, NIIDOME Yasuro, KAWASAKI Hideya, YAMADA Sunao

1B11 Preparation of Biocompatible Gold Nanorods and those Photoreactions Induced by Pulsed Laser Irradiation

TAKAHASHI Hironobu, NARIAI Ayuko, NIIDOME Yasuro, NIIDOME Takuro, YAMADA Sunao

1B12 Pulsed Laser Induced Aggregation and Fragmentation of DNA-Coated Gold Nanoparticles

NIIDOME Yasuro, TAKAHASHI Hironobu, HORIGUCHI Yukichi, NIIDOME Takuro, YAMADA Sunao

1B13 [Young Scientist Award] Desired Patterning of Metal Nanoparticles and Application to Nanodevices

TERANISHI Toshiharu

Chairperson YOSHINAGA Koji (15:00-16:20)

1B14 Hydrogen Storage of Pd/Pt Nanoparticle

KOBAYASHI Hirokazu, YAMAUCHI Miho, KITAGAWA Hiroshi

1B15 2H NMR Spin-Lattice Relaxation Times Observed in Deuterons Absorbed in Pd Nanoparticles

YAMAUCHI Miho, KITAGAWA Hiroshi, IKEDA Ryuichi, HASHI Kenjiro, GOTO Atsushi, SHIMIZU Tadashi, BANDO Yoshio, TERANISHI Toshiharu

1B16 Preparation and Catalytic Activities of Pt-Pd Alloy Dendrimer Nanocomposites.

ENDO Takeshi, ESUMI Kunio, YOSHIMURA Tomokazu

1B17 Synthesis and Interfacial Control of Redox-Active Dendron-Functionalized Gold Nanoclusters

KOMINE Yusuke, UEDA Ikuko, FUJIHARA Hisashi

Chairperson YAO Hiroshi (16:20-17:20)

1B18 Linear Assembly of DNA Colloidal Particles Generated under Focused Laser

ICHIKAWA Masatoshi, YOSHIKAWA Kenichi

1B19 Study on Preparation of Functional Polymer Latex Particles by Seeded Emulsion Polymerization with Counter-Ion Species

ITO Fuminori, MAKINO Kimiko, OHSHIMA Hiroyuki, TERADA Hiroshi, OMI Shinzo

1B20 Novel Method of Producing Mono-Dispersed Gel Particles by UV-Irradiation

IKKAI Fumiyoshi, ADACHI Eiki, IWAMOTO Satoshi, NAKAJIMA Mitsutoshi

Sep. 10 (Fri.)

Chairperson SAGARA Takamasa (9:10-10:10)

- 2B01** Viscosity Increasing Induced by Aggregation of Latex Dispersions
NASHIMA Takeshi
- 2B02** Preparation and Control of Crystal Structure of TiO₂ Ultrafine Particles in the Presence of Hydrophilic Polymer
YAMAUCHI Masato, KARAKAWA Hiroyuki, YOSHINAGA Koji
- 2B03** Preparation of Novel Particle Assemblies Using Specific Aggregation of Monodisperse Particles.
YAMAGAMI Takamune, TERADA Yoshihiro, TORIMOTO Tsukasa, OHTANI Bunsho

Chairperson KANDORI Kazuhiko (10:10-11:20)

- 2B04** Novel Method for Determination of Critical Concentration for Colloidal Crystallization
KANAI Toshimitsu, SAWADA Tsutomu, TOYOTAMA Akiko, KITAMURA Kenji, YAMANAKA Junpei, ITO Kensaku
- 2B05** Scattering Studies of Emulsion Like Colloidal Crystals Part 2
KUME Takuji, IWAI Hidetaka, KAWADA Hiromitsu, SANO Tomohiko, NAGAO Michihiro, SHIBAYAMA Mitsuhiro
- 2B06** [Invited] Immobilization of Colloidal Crystals, Formed from Polymer-Modified Silica in Organic Solvents, in Physical Gels
YOSHINAGA Koji, SATO Shohei, KARAKAWA Hiroyuki, NAKAI Akemi

Chairperson TERANISHI Toshiharu (11:20-12:20)

- 2B07** Immobilization of Colloidal Crystals from Polymer-Modified Silica in Organic Solvents
TATSUNO Shintaro, FUJIWARA Kumiko, KARAKAWA Hiroyuki, YOSHINAGA Kouji, NAKAI Akemi
- 2B08** Photochemical Modification of the Structure of Silica-Coated Cadmium Sulfide Nanoparticles
IWASAKI Kentaro, TORIMOTO Tsukasa, OHTANI Bunsho
- 2B09** Synthesis of Silver Iodide/Silica Core-Shell Nanoparticles
MISAWA Kiyoto, KOBAYASHI Yoshio, TAKEDA Motohiro, OUCHI Noriaki, KONNO Mikio

Sep. 11 (Sat.)

Chairperson FURUSAWA Kunio (9:00-10:30)

- 3B01** [Invited] Formation Mechanism and their Functions of Hematite Particles Formed from Forced Hydrolysis Reaction of FeCl₃ Solution
KANDORI Kazuhiko, ISHIKAWA Tatsuo
- 3B02** Size Control and Magnetic Properties of FePt Nanoparticles
NAKAYA Masafumi, TERANISHI Toshiharu
- 3B03** Two-Dimensional Monte Carlo Simulations of a Colloidal Dispersion Composed of Polydisperse Ferromagnetic Particles in an Applied Magnetic Field
AOSHIMA Masayuki, SATOH Akira
- 3B04** Magnetic Properties of Hematite Micro-Particles in Aqueous Suspensions
ISHIKAWA Teppi, OZAKI Masataka

Chairperson DEKI Shigehito (10:40-12:00)

- 3B05** Orientational Distributions and Rheological Properties of Ferromagnetic Spherocylinder Particle Suspensions (Mean Field Approximation for Cluster-Cluster Interactions)
SATOH Akira
- 3B06** Electrokinetics of Colloids Relevant to the Formation of Composite Particles
FURUSAWA Kunio, MATUMURA Hideo
- 3B07** Simulation Study of Electrokinetic Phenomena in Charged Colloidal Dispersions
KIM Kang, NAKAYAKA Yasuya, YAMAMOTO Ryoichi
- 3B08** A Method for Coordinate Measurements of an Individual Colloid Particle in Dispersions.
ITO Kensaku, MIZUNO Hiroshi, HIROSE Masafumi

Chairperson KANDORI Kazuhiko (13:10-14:10)

- 3B10** Heterophase Effect on Physicochemical Properties of Ionic Liquids Coexisting with Inorganic Powder
MIZUHATA Minoru, YASO Kazuo, DEKI Shigehito
- 3B11** In Situ Transmission-Absorption Spectroelectrochemical Studies of Gold Nanoparticles on Electrode Surfaces
TOYOTA Ayumi, SAGARA Takamasa

- 3B12** Development of an Optical Biosensor Using Gold-Nanoparticle Coated Polystyrene Particles as Fluorescence Quenchers
KATO Noritaka, CARUSO Frank

Room C

Molecular Assembly

Sep. 9 (Thu.)

Chairperson INOUE Tohru (9:10-9:50)

- 1C01** Micelle Formation of Sufactants within the CMC Region of a Transitional Region
MANABE Masahiro, KAWAMURA Hideo, KATSUURA Hajime, SHIOMI Masaki, HIRAMATSU Kohichi, KAMEYAMA Keiichi
- 1C02** CMC and Partial Molar Quantities of the Aqueous Mixed Solution of SDS and SPFO(3) -the Experimental Determination of the Composition of Micells-
OHBA Masaharu, TAKAHASHI Yutaka, HARADA Shigeharu, SAHARA Hideko, TAKAGI Masae

Chairperson HIRAMATSU Kohichi (9:50-10:30)

- 1C03** Association Behavior of Phenylalanine-Type Anionic Surfactant in Dilute Aqueous Solution
OHTA Akio, TANI-I Kumiko, HOSHIBA Aoi, ASAKAWA Tsuyoshi, MIYAGISHI Shigeyoshi
- 1C04** An Aspect of Conformational Change of Protein in Reverse Micelle
MORIYAMA Yoshiko, KURODA Takayoshi, TAKEDA Kunio

Chairperson AKISADA Hideo (10:40-11:20)

- 1C05** Effects of Protonation on Alkyl Amidopropyltrimethylamine Oxide Micelles (2)
KAKEHASHI Rie, YAMAMURA Shingo, MAEDA Hiroshi
- 1C06** Additive Effect on the Mesophase Regions in Aqueous Mixture of Nonionic Surfactant
INOUE Tohru, TAKASAGO Tomomi, USHIFUSA Tadayoshi

Chairperson MANABE Masahiro (11:20-12:20)

- 1C07** Effect of Added Salt on the Micellization of Crown Surfactants
FUJIO Katsuhiko, MIYAZAWA Takao, OZEKI Sumio
- 1C08** Formation of Micelle in Amphiphilic Block Copolymer-Surfactant System
ARAMAKI Kenji, GLATTER Otto, KUNIEDA Hironobu
- 1C09** Aqueous Solution Behavior of Fatty Acid N-Alkylethanolamides
SAKAI Takaya, KANEKO Youhei

Chairperson OZEKI Sumio (13:40-14:30)

- 1C11** Chain Length Effect of CMC and Interaction Parameter on Mixture of Homogeneous Ionic Surfactants
AKISADA Hideo, KUWAHARA Junko, NAKAMURA Toshiyuki, MIURA Takashige, NOYORI Kouji, MATSUSITA Toutarou, SHIMOZU Kazuhito
- 1C12** Research on the Dynamics of Micelle-Vesicle Transition by Magnetic Relaxation Measurement
OOTSU Rie, NISHIKIORI Seiko, VILLENEUVE Masumi, NAKAHARA Hiroo

Chairperson SUGIHARA Gohsuke (14:30-15:40)

- 1C13** Effects of Micelle-Vesicle Transition on the Degree of Counterion Binding in DDAB/Water System
KAWASAKI Hideya, Ono Yousuke, MAEDA Hiroshi, ANNAKA Masahiko
- 1C14** Study on Molecular Aggregation and Particle Size of N-(1, 1-Dihydroperfluoroalkyl)-N, N, N-Trimethylammonium Chloride
MATSUOKA Keisuke, YONEKAWA Aki, ISHII Mariko, MOROI Yoshikiyo, HONDA Chikako, ENDO Kazutoyo
- 1C15** Complex Formation between Dialkyltrimethylammonium Bromide and Cyclodextrin
FUNASAKI Noriaki, NAGAOKA Makoto, HIROTA Shun

Chairperson ARAMAKI Kenji (15:40-16:20)

- 1C16** Time-Resolved Small-Angle X-Ray Scattering Study of Micellar/Lamellar Phase Separation Processes in a Nonionic Surfactant-Water System
KAKIZAWA Minoru, KAWABATA Youhei, KATO Tadashi, IMAI Masayuki, YOSHIDA Hirohisa

1C17 Effects of Shear Flow on the Lamellar Phase in a Surfactant/Water System -Analysis by Using Anisotropic Small Angle Light Scattering-
MIYAZAKI Kyoko, KAWABATA Youhei, KATO Tadashi

Chairperson IMAI Yoko (16:20-17:00)

1C18 Order-Order Transition Kinetics Observed in a Nonionic Surfactant/Water System
SAKAI Kozue, IMAI Masayuki, SAEKI Akira, TERAMOTO Takashi

1C19 Self-Running Droplet—Mode Selection of Regular Motion by Boundary Condition
SUMINO Yutaka, MAGOME Nobuyuke, HAMADA Tsutomu, YOSHIKAWA Kenichi

Sep. 10 (Fri.)

Chairperson TANAKA Reiji (9:10-10:30)

2C01 Investigation on the Local Environment of Interlayer Water in Glycolipid Nanotubes
GUO Yanli, YUI Hiroharu, KAMIYA Shouko, MASUDA Mitsutoshi, MINAMIKAWA Hiroyuki, ITO Kohzo, SAWADA Tsuguo, SHIMIZU Toshimi

2C02 Preparation of Nano-Particles Containing of Polynucleic Acid-Amphiphile Polyion Complexes and their Assembling Properties
YABU Hiroshi, IJIRO Kuniharu, SHIMOMURA Masatsugu

2C03 New Phase Transition and Formation of Nanoemulsion Caused by the Synergetic Effect of Phospholipid Bilayer-Assembly and Oil

IMAI Yoko, UJIE Nobuyuki, KOSHINUMA Masakatsu, NAKAMURA Akio, TAJIMA Kazuo

2C04 Novel Emulsification of Oil by Soft Nanoparticles: the Principle of Three-Phase Emulsification
TAJIMA Kazuo, IMAI Yoko, HORIUCHI Teruo

Chairperson TSUTSUMI Hiromori (10:30-11:20)

2C05 [**Young Scientist Award**] Preparation of Photo-Functional Materials Using Interfacial Reactions
SAKAI Hideki

2C06 Bicontinuous Microemulsion-Aided Synthesis of Electrochemically Active Mesoporous TiO₂
HIDAKA Ryoji, YAMADA Hiritoshi, MORIGUCHI Isamu, KUDO Tetsuichi

Chairperson SHIMABAYASHI Saburo (11:20-12:20)

2C07 Structural Control of Porous Silica by the Assistance of Bicontinuous Microemulsion
SHONO Yuki, YAMADA Hirotohi, MORIGUCHI Isamu, KUDO Tetsuichi

2C08 Control of Morphology and Catalytic Activity of CeO₂-TiO₂ Composite Nanostructures by Surfactant-Assisted Mechanism
NAKAGAWA Keizo, MURATA Yusuke, ADACHI Motonari

2C09 An Improvement of Lower Detection Limit of Surfactant-Ion-Selective Electrode
MURAKAMI Kiyofumi, TAKENAKA Tsuneyuki

Sep. 11 (Sat.)

Chairperson MURAKAMI Kiyofumi (9:00-10:10)

3C01 [**Invited**] Soluble Carbon Nanotubes
NAKASHIMA Naotoshi

3C02 Electron Transfer Reactions of Fullerenes and Phthalocyanines Embedded in Thin Films of Cationic Artificial Lipids
NAKANISHI Takashi, KADISH Karl M., NAKASHIMA Naotoshi, ARIGA Katsuhiko

3C03 Structural Phase Transition of Tetrakis(sulfophenyl)porphyrin J-Aggregate
ARAI Yonbon, SEGAWA Hisoshi

Chairperson KATO Tadashi (10:10-11:40)

3C04 Deposition Process of Polyfluorene Assembly by Irradiation of a Focused Near-Infrared Laser Beam
NABETANI Yu, MURAKAMI Naoki, YOSHIKAWA Hiroyuki, MASUHARA Hiroshi

3C05 Gelation of Solvents Based on Formation of Supramolecular Assembly
HANABUSA Kenji

3C06 Physico-Chemical Properties of Low-Mass Gelators with a Perfluoroalkyl Chain

OKAMOTO Hiroaki, MORITA Yuki, KAWABE Kosuke, TASAKA Takeyasu, TAKENAKA Shunsuke

3C07 Fibrous Self-Assembly of Carbazoyl-Containing Gelators—One-Dimensional Assembly of Functional Moieties and Anisotropic Fiber Growth
YABUUCHI Kazuhiro, TOCHIGI Yusuke, MIZOSHITA Norihiro, KATO Takashi

Chairperson MORIGUCHI Isamu (12:50-13:30)

3C09 Novel Synthesis of NIPA-PMDDP Microgels and their Functions
YAN Hu, TSUJII Kaoru

3C10 Synthesis of Biomolecule-Responsive Gels Using Molecular Imprinting and their Smart Functions
MIYATA Takashi, NISHIHATA Takeshi, JIGE Masashi, URAGAMI Tadashi

Chairperson TAKISAWA Noboru (13:30-14:10)

3C11 Energy Transducers Using Redox Gels
TAKADA Kazutake, TANAKA Nobutaka, TATSUMA Tetsu

3C12 Complex Formation between Thermosensitive Cyclodextrin Gel and Gram-Negative Bacterial Signal Molecules
KATO Norihiro, MOROHOSHI Tomohiro, NOZAWA Tomoyo, MATSUMOTO Hitomi, IKEDA Tsukasa

Room D

Surface & Interface

Sep. 9 (Thu.)

Chairperson IMANISHI Akihito (9:10-10:30)

1D01 Characterization of Highly Structure-Controlled Silicas Prepared by Using Aggregation Inhibitors
ISOBE Hiroshi, YAMAMOTO Kohzoh, KANOH Hirofumi, KANEKO Katsumi

1D02 Dynamic Behavior of Water Molecules Adsorbed in MCM-41
MORI Toshinori, KURODA Yasushige, YOSHIKAWA Yuzo, NAGAO Mahiko, TAKAHARA Syuuichi, KITAKA Shigeharu

1D03 Surface Molecular Macrocluster Formation Studied by Surface Forces Measurement and Total Internal Reflection Spectroscopy
MIZUKAMI Masashi, KURIHARA Kazue

1D04 Shear Resonance Measurement of NaCl Solution Confined between Mica Surfaces
SAKUMA Hiroshi, OTSUKI Kenshiro, KURIHARA Kazue

Chairperson OKUBO Takahiro (10:40-12:00)

1D05 Study of the Ethanol Adsorption Layers on Glass Surfaces in Ethanol-Cyclohexane Binary Liquid by ¹H-NMR
NAKAGAWA Yasuhiro, ENDO Satoshi, KUROHARA Kazue

1D06 Preparation and Photoelectric Property of Nanostructured TiO₂ Films
HAYASHI Shigenori, MORIGUCHI Isamu, YAMADA Hirotohi, KUDO Tetsuichi

1D07 Physicochemical Properties of the Octadecylsilylated Derivative of a Layered Alkali Titanate
IDE Yusuke, OGAWA Makoto

1D08 Chemical Reaction of H-Si(111) Surface in HI Solution Studied by Surface Core-Level Shift Spectroscopy
IMANISHI Akihito, HAYASHI Takeshi, NAKATO Yoshihiro

Chairperson HAGA Masaaki (13:30-14:50)

1D10 Site-Selective Alkylation on H-Terminated Si(111) Studied by MIR-FTIR
MURATA Takeshi, TAKABAYASHI Susumu, IMANISHI Akihito, NAKATO Yoshihiro

1D11 Aggregate Formation Property of Phosphazene Salt on Solid Surface Revealed by Atomic Force Microscopy
MATUSOKA Osamu, HAYASHI Takaomi, YOSHIMURA Naritoshi, KIYONO Shinji, YAMAMOTO Sadaaki

1D12 Comparison between Contact Angles of Liquid and Solid Lubricants Containing Oiliness Agents on Metal Surface
HACHIYA Kazuaki

1D13 EDLC Property of Porous Carbons Synthesized by Colloidal Crystal Templating Process
NAKAHARA Fumihito, YAMADA Hirotohi, MORIGUCHI Isamu, KUDO Tetsuichi

Chairperson HACHIYA Kazuaki (15:00-16:00)

- 1D14** Solid State NMR Study of the Surface Structure of Hydrophobic Silica
AOKI Mari
- 1D15** Surface Force Profile of Colloidal Polystyrene Particle in Aqueous Ionic Surfactant Solutions
MOGAMI Rie, FUJII Masatoshi, FUKADA Kazuhiro, KATO Tadashi
- 1D16** Fabrication of DNA Nanowire by Use of Surface Anchored Complex with DNA Intercalator
MACHIDA Hideaki, OOYA Akihiro, TONEGAWA Naoya, YONEZAWA Tetu, HAGA Masaaki

Industrial Applications

Sep. 10 (Fri.)

Chairperson YAMADA Shinji (9:10-10:30)

- 2D01** Concentration Distribution of End Segments of High and Low Molecular Weight Polymer of the Thin Film by SCF Simulation
SHOJI Tatsuya, YAO Shigeru
- 2D02** Design of Solid Acid Catalyst
ATOGUCHI Takashi, KANOUGI Tomonori
- 2D03** Preparation of Metal Oxides by the Sol-Gel Process Using the Organic Solvent
KAKUTA Yoshihisa, IWASA Takafumi
- 2D04** Preparation of Macroporous Li-Ion Conductive Membrane Using Colloidal Crystal Templating Method
AKUTAGAWA Nao, DOKKO Kaoru, MUNAKATA Hirokazu, HAMAGAMI Jun-ichi, TAKEI Takashi, KANAMURA Kiyoshi
- Chairperson KANAMURAI Kiyoshi (10:30-11:40)
- 2D05** [Young Scientist Award] Nanotribology of Molecularly Thin Fluid Films
YAMADA Shinji
- 2D06** Study of the Calcium Fluoride Nano-Particle for the Prevention of Tooth Decay
YAMAGISHI Atsushi, WAKASA Masanobu, NAKANISHI Kuniyuki, OKAMOTO Masayuki, MANAGO Kenji
- 2D07** Application of Hydrophilic Food Emulsifiers to Milk Beverages
OGAWA Akihiro, OTOMO Naoya, KAJI Takashi

General Topics

Sep. 11 (Sat.)

Chairperson TATSUMI Takashi (9:10-10:30)

- 3D01** Magneto-Electric Behavior of Fe^{2+}/Fe^{3+} Ions from $Fe(CN)_6^{3-}$ at Electrode Surfaces under Steady Magnetic Fields
SARAVANAN Govindachetty, FUJIO Katsuhiko, OZEKI Sumio
- 3D02** The Solvation Structures of Counter Ions Adsorbed on the Air/Water Interface
WATANABE Iwao, HISHIDE Mayumi, JIMURA Yukari, TANIDA Hajime, OZEKI Toru, KASHIMOTO Kaoru, TAKIUE Takanori, ARATONO Makoto
- 3D03** Effect of Coexistent Ions on Structure of Mixed-Surfactants LC Phases as a Reduced Medium of Metal Ions
FUJIKAWA Daisuke, YOSHIMURA Takumi, UOTA Masafumi, KUWAHARA Takeshi, IKEDA Daisuke, NISHIDA Yuuki, SAKAI Go, KIJIMA Tsuyoshi
- 3D04** Isolation and Spectroscopic Characterization of Magic-Numbered Gold Clusters Protected by Thiolate Monolayers
NEGISHI Yuichi, TAKASUGI Yoshimitsu, SATO Seiichi, YAO Hiroshi, KIMURA Keisaku, TSUKUDA Tatsuya

Chairperson SAKAI Go (10:30-12:00)

- 3D05** [Invited] A Novel Anionic Surfactant Templating Route and its Application for Synthesizing Chiral Mesoporous Silica
TATSUMI Takashi, YOKOI Toshiyuki, CHE Shunai, SAKAMOTO Kazutami, TERASAKI Osamu
- 3D06** Preparation and Ionic Conductivity of LiI-Loaded Mesoporous Silica
KARASUYAMA Yuichi, YAMADA Hirotohi, MORIGUCHI Isamu, KUDO Tetsuichi
- 3D07** Synthesis and Characterization of Novel Silicon Nanosheets
NAKANO Hideyuki, ISHII Masahiko, TSUKIGASE Azusa, NAKAMURA Hiroshi
- 3D08** Developments of a Convenient Reflectometer for Measurements of Thickness of Films and Wetting of their Surfaces.

MATSUMURA Hideo, SABURI Masahisa, HONDA Meguru, IWAMOTO Isamu, YONEKAWA Kazuhide

Room E

Surface & Interface

Sep. 9 (Thu.)

Chairperson IYAMA Taku (9:00-10:30)

- 1E01** [Invited] Development of Powdered Photocatalysts for Water Splitting
KUDO Akihiko, KATO Hideki, TSUJI Issei
- 1E02** Adsorption Behavior of Enzymes to Mesoporous Carbon under Various Conditions
MIYAHARA Masahiko, VINU Ajayan, ARIGA Katsuhiko
- 1E03** The Preparation of Mesoporous Titania Having Crystal Structure
SHIBATA Hirobumi, OGURA Taku, MUKAI Tatsuya, OHKUBO Takahiro, SAKAI Hideki, ABE Masahiko
- 1E04** Adsorption Behavior of Aliphatic Carboxylate Anions on Layered Double Hydroxide
IWAO Takeshi, MURAKAMI Yoshiko, TAGASHIRA Shouji, SASAKI Yoshiaki

Chairperson ABE Masahiko (10:40-12:00)

- 1E05** Structural Study of Molecular Mixing State in Micropore
IYAMA Taku, URUSHIBARA Takashi, ARAGAKI Rei, OOMORI Motoki, OZEKI Sumio
- 1E06** Construction of Au(Core)-CdS(Shell)/TiO₂ Nano-Junction System and its Characterization
MITSUMI Tomohiro, TADA Hiroaki, IWASAKI Mitsunobu, ITO Seishiro
- 1E07** Dielectric Relaxation of Water Confined in Mesopore of MCM-41
TAKAHARA Shuichi, MIHARA Katsuyoshi, KITTAKA Shigeharu
- 1E08** Loading Effect of Core-Shell Type Pt-Ag Bimetallic Clusters on the TiO₂ Photocatalyzed Reduction of Nitrobenzene
TAKAO Ayako, TADA Hiroaki, IWASAKI Mitsunobu, ITO Seishiro

Chairperson TAKAHARA Shuichi (13:30-14:50)

- 1E10** Electrochemical Synthesis of Ag-AgCl Particles-Loaded TiO₂ Film and its Photocatalytic Reaction
MORIMOTO Taisuke, TADA Hiroaki, IWASAKI Mitsunobu, ITO Seishiro
- 1E11** Visible Light-Induced Photocatalytic Oxidation of 2-Naphthol on α -Fe₂O₃: Additive Effect of a Cationic Surfactant
YAMADA Keiiti, TADA Hiroaki, IWASAKI Mitsunobu, ITOU Seisiro, ESUMI Kunio
- 1E12** Catalytic Property of Porous LaMnO₃ Synthesized by Colloidal Crystal Templating Process
HIROKAWA Yuumi, YAMADA Hirotohi, FURUKAWA Hiroshi, MORIGUCHI Isamu, KUDO Tetsuichi, TERAOKA Yasutake
- 1E13** Photooxidation Mechanism of C₁-C₅ Linear Carboxylic Acids and Higher Fatty Acids at TiO₂/H₂O Interfaces
HIDAKA Hisao, OYAMA Toshiyuki

Chairperson TAKEI Takeshi (15:00-16:00)

- 1E14** Degradation of Organic Pollutants by Using Unprecedented Photocatalytic Surface Effects under Simultaneously Radiation of Microwave and UV
HORIKOSHI Satoshi, HIDAKA Hisao
- 1E15** Photocatalytic Degradation Mechanism of Agrochemical Methyl
WATANABE Natsuko, HORIKOSHI Satoshi, KAWASAKI Atsushi, HIDAKA Hisao
- 1E16** Adsorption and Direct Observation of Acetylene on Porous Metal Complexes
MATSUDA Ryotaro, KITAGAWA Susumu, KITaura Ryo, KUBOTA Yoshiki, KOBAYASHI Tatsuo, TAKATA Masaki

Chairperson HIDAKA Hisao (16:00-17:20)

- 1E17** Local Structural Changes of the Organic-Inorganic Hybrid Complex Accompanied by Gas Adsorption
KANOHI Hirofumi, NAKABAYASHI Koji, NOGUCHI Hiroshi, KONDO Atsushi, KANEKO Katsumi

- 1E18** Water Cluster Structures in Hydrophobic Nanospaces
OHBA Tomonori, KANOH Hirofumi, KANEKO Katsumi
- 1E19** High-Resolution Analysis of Compressed Single-Wall Carbon Nanohorn
TSUCHIYA Hideyuki, TANAKA Hideki, YUDASAKA Masako, IJIMA Sumio, KANOH Hirofumi, KANEKO Katsumi
- 1E20** Hydration Structure Anomaly of Copper Ions in Hydrophobic Nanospaces
NOBUHARA Yoko, OHKUBO Takahiro, TANAKA Hideki, KANOH Hirofumi, KANEKO Katsumi

Sep. 10 (Fri.)

Chairperson FUJII Masatoshi (9:00-10:50)

- 2E01** [Invited] Sturcutral Analysis of Fine Cluster by XAFS
Asakura Kiyotaka
- 2E02** N₂ Adsorption and Identification of Its Adsorption Sites on Copper Ion-Exchanged ZSM-5 Zeolite with Different Values of Si/Al-Ratio
TANAKA Masashi, ITADANI Atsushi, KURODA Yasushige, NAGAO Mahiko
- 2E03** Reactivity of CO and Hydrogen over a Samarium Oxide Surface Observed by Infrared Spectroscopy
SAKATA Yoshihisa, IMAMURA Hayao
- 2E04** Anomalous Interaction of H₂ with CuZSM-5 at Room Temperature
KURODA Yasushige, OKAMOTO Takae, MORI Toshinori, YOSHIKAWA Yuzo, KOBAYASHI Hisayoshi
- 2E05** Direct Observation of Adsorbed Structures for CO₂, CH₄ and Ar Gases inside a Single-Crystal Adsorbent [Rh₂(bza)₄(pyz)]_n
NAKATA Ei-ichi, SAITO Teruo, AKATSUKA Takamasa, TAKAMIZAWA Satoshi

Chairperson HIGA Mitsuru (11:00-12:20)

- 2E06** Preparation and Photo-Catalytic Activity of Visible Light Driven Titanium Oxide by Gaseous Reaction on Solid Surface
TAKEI Takashi, TAKAKI Yoji, HIRAKI Fumiko, KANAMURA Kiyoshi, CHIKAZAWA Masatoshi
- 2E07** Motion of Guests Adsorbed in Nanoporous Coordination Polymers
HORIKE Satoshi, MATSUDA Ryotaro, KITAGAWA Susumu
- 2E08** Adsorption Properties of Di-Alkylammonium Salt/Polyether Modified Silicon Mixed Molecular Aggregates at Solid/Liquid Interface
FUJII Masatoshi, NAKAJIMA Yumiko, MIYASAKA Hiroo, HAMA Itsuo, IWAHASHI Makio, KATO Tadashi
- 2E09** Production of Mesoporous Carbon by Pyrolysis of Lithium Salts of Aromatic Acids.
KAMEGAWA Katsumi, NISHIKUBO Keiko, KODAMA Masaya, ADACHI Yoshio, YOSHIDA Hisayoshi

Sep. 10 (Fri.)

Chairperson YOKOYAMA Takushi (9:10-10:30)

- 3E01** Enhanced Photocatalytic Performance of SiO₂-TiO₂
YAMAZAKI Suzuko, NAGANO Shigeyuki, ABE Hiroyuki
- 3E02** NC-AFM Observation of a Multilayer Island of a Catalyst Molecule Grown on Au(111)
MATSUOKA Osamu, HAYASI Takaomi, YOSIMURA Naritosi, KIYONO Sinji, YAMAMOTO Sadaaki
- 3E03** Solid Polymer Electrolytes for Direct Methanol Fuel Cell Prepared from Poly (Vinyl Alcohol) and Polyanion
HATEMURA Kentaro, EGASHIRA Satsuki, HIGA Mitsuru, ENDO Nobutaka, MATSUSAKI Koji
- 3E04** Design and Preparation of Temperature-Responsive Positively Charged Membrane
YAMAKAWA Tomoko, MIYAMOTO Chika, HIGA Mitsuru

Chairperson TADA Hiroaki (10:40-12:00)

- 3E05** Design and Preparation of Ion Switching Devices Using PH Memorizable Charged Membrane
SATAKE Yoshimi, WATABE Tomoichi, HUJII Masaomi, HIGA Mitsuru
- 3E06** Determination of Cu() Ion Using Photoreductive Deposition on TiO₂ Thin Film.
SHIMOOKA Tomoko, YAMAZAKI Suzuko
- 3E07** Epithermal Gold Deposits and Colloid Geochemistry
YOKOYAMA Takushi, OKAUE Yoshihiro, OHASHI Hironori

- 3E08** Adsorption Behavior of Au(III) Ions on the Surface of Anatase and their Reduction to Atomic Gold
OHASHI Hironori, OKAUE Yoshihiro, YOKOYAMA Takushi

Chairperson YAMAZAKI Suzuko (12:50-14:10)

- 3E09** Permeation of Ions through Poly (Vinyl Alcohol) Based Ion Exchange Membranes in Electrodialysis.
Arifal, HIGA Mitsuru, ENDO Nobutaka, MATSUSAKI Koji
- 3E10** Arrangement Control of Carbon Nanotubes Using Micro-Phase Separated Structures
KANAYA Yohei, IIMURA Ken-ichi, KATO Teiji
- 3E11** Spontaneous Formation of Fractal Surface
MAYAMA Hiroyuki, TSUJII Kaoru
- 3E12** Site Selective Deposition of Pt Particles on Single-Wall Carbon Nanohorns
MURATA Katsuyuki, YUDASAKA Masako, IJIMA Sumio

Room F

**General Symposium-1
Science and Technology Including
from Nano- to Micro-Meter Sized Particles**

Sep. 9 (Thu.)

Chairperson ITO Kensaku (9:00-10:10)

- 1F01** [Keynote] Self-Assembly and Patterning of Particles
MASUDA Yoshitake, KOUMOTO Kunihito
- 1F02** Optical Trapping, Assembly, and Alignment of Nanoparticles by Photon Pressure
YOSHIKAWA Hiroyuki, HOSOKAWA Chie, MASUHARA Hiroshi
- 1F03** Control of Photoelectrochemical Reaction Using a Self-Assembled Type Photonic Crystal
MATSUSHITA Sachiko, ISOSHIMA Takashi, HARA Masahiko, SHIMOMURA Masatsugu

Chairperson MATSUSHITA Sachiko (10:10-11:20)

- 1F04** An Analysis of a Thin-Layer Colloidal Crystal Growth.
ITO Kensaku, FURUE Tomoki, YAMANAKA Junpei, SAWADA Tsutomu
- 1F05** One-Directional Crystal Growth in Charged Colloids
YAMANAKA Junpei, MURAI Masako, IWAYAMA Yumie, YONESE Masakatsu, ITOU Kensaku, SAWADA Tsutomu
- 1F06** Optical Property of Gelled Thin Single Colloidal Crystal
TOYOTAMA Akiko, SAWADA Tsutomu, KANAI Toshimitsu, KITAMURA Kenji, YAMANAKA Junpei, ITO Kensaku

Chairperson YAMANAKA Junpei (11:20-12:30)

- 1F07** Structural Color of Opal Films and their Applications
FUDOZU Hiroshi, SAWADA Tsutomu
- 1F08** Optical Properties and Microstructures of Colloidal Crystals Formed by TiO₂ Nanosheet Coated Monodispersed Particles
NAKAMURA Hiroshi, NAKANO Hideyuki, TSUKIGASE Azusa, HARADA Masashi, ISHII Masahiko
- 1F09** [Keynote] Surface Modification Approach for Fabrication of Metal/Polymer Nanocomposites with Controlled Microstructures
AKAMATSU Kensuke

Chairperson FUDOZU Hiroshi (13:20-14:30)

- 1F10** [Keynote] Number of Microspheres and Optical Functions: Between One and Infinity
MIYAZAKI Hideki
- 1F11** Control of Surface-Enhanced Raman Scattering via Photo-Induced Structure Change of Metal Nano-Partilces Under Applying Electric Field
MURAKOSHI Kei, SAWAI Yoshitaka, AJITO Katsuhiko
- 1F12** Adsorbed Sites of Molecules on Ag Nanoparticles to Provide Single Molecule Sensitivity in SERS
MARUYAMA Yoshihiro, FUTAMATA Masayuki

Chairperson SANO Masahito (14:30-15:40)

- 1F13** Electrochemical Analysis of Multicolor Photochromic Behavior Exhibited by TiO₂ Films Loaded with Silver Nanoparticles
KAWAHARA Keisuke, OHKO Yoshihisa, TATSUMA Tetsu
- 1F14** [Keynote] How Fascinating Gold Nanorods Are!
YAMADA Sunao

- 1F15** Synthesis of Gold Nanorods by Surfactant-Assisted One-Step Chemical Reduction Method
PEI Lihua, ADACHI Motonari

Chairperson MURAKOSHI Kei (15:40-16:40)

- 1F16** Preparation of Organically Capped Silver Nanoparticles and its Application to Electronic Materials
NAKAMOTO Masami, YAMAMOTO Mari
- 1F17** Surface Modification of Au Nanoparticles by UV/Ozone Treatment and Fabrication of Oligomer Nanoparticles
YOSHIWARA Hideaki, PANG Shufeng, KONDO Takeshi, KAWAI Takeshi
- 1F18** Electroplating of Carbon Nanotubes
ABE Yoshiaki, TOMURO Ryo, SANO Masahito
- Chairperson YONEZAWA Tetsu (16:40-18:00)
- 1F19** Intercalation of Bioanions into Nano-Interlayers of Hydroxide
TAMURA Hiroki, CHIBA Jun, TAKEDA Takashi, KIKKAWA Shinichi
- 1F20** Adsorption and Self-Assembly of Powder Particles at Interfaces
NONOMURA Yoshimune, KOMURA Shigeyuki, TSUJII Kaoru
- 1F21** Dispersion Stability and Sustained Release Profiles of Nano-Porous Silicates Modified with a PEG-Polyamine Block Copolymer
TAKAHASHI Tadahito, YAMADA Yoshiaki, KATAOKA Kazunori, NAGASAKI Yukio
- 1F22** Syntheses and Properties of Long Fiber Alkaline Metal Carboxylates
SAKAGUCHI Hiroshi, KUSHIYAMA Satoshi

LB & SAM

Sep. 10 (Fri.)

Chairperson ARATONO Makoto (9:10-10:30)

- 2F01** Characteristic Behavior of Strongly Charged Amphiphilic Diblock Copolymers at Air-Water Interface
KAEWSAIIHA Ploysai, MATSUMOTO Kozo, MATSUOKA Hideki
- 2F02** Film Stability and Surface Visco-Elasticity by Dynamic Interface Tension of Sugar Ester Surfactants
KIDOKORO Tadahiko, OKIYAMA Daisuke, KIDO Hirotsugu
- 2F03** Effect of Counter Ion on the Formations of Monolayer and Bilayer of Cationic Surfactants
IKEDA Norihiro, YASUDA AI, TANAKA Fudeko
- 2F04** Studies on Interfacial Properties of Aqueous Solutions of Novel Sugar Ester-Type Surfactants
FUKADA Kazuhiro, KANAZAWA Tadasuke

Chairperson MATSUOKA Hideki (10:30-12:00)

- 2F05** Wetting of Three Fluid Systems (1) -States of Interfacial Films and Disjoining Pressures-
MATSUBARA Hiroki, TAKIUE Takanori, ARATONO Makoto, BAIN Colin
- 2F06** Wetting of Three Fluid Systems (2) -Line Tension and Theoretical Analysis-
TAKATA Youichi, MATSUBARA Hiroki, KIKUCHI Yoshimori, IKEDA Norihiro, MATSUDA Takashi, TAKIUE Takanori, ARATONO Makoto
- 2F07** Inhomogeneous State in Adsorbed Film of Alkanol - Fluoroalkanol Mixture at the Hexane/Water Interface
TAKIUE Takanori, IKEDA Norihiro, MATSUBARA Hiroki, SCHLOSSMAN Mark, TIKHONOV Aleksey, PINGALI Sai Venkatesh, LUO Guangming, ARATONO Makoto
- 2F08** Direct Determination of Surface Excess Concentration by Total-Reflection XAFS and Effect of Electric Double Layer on Structure of the Adsorbed Film in Cationic Surfactant System with Added Salt
KASHIMOTO Kaoru, TAKATA Youichi, MATSUDA Takashi, MATSUBARA Hiroki, TAKIUE Takanori, ARATONO Makoto, TANIDA Hajime, WATANABE Iwao

Chairperson TAKIUE Takanori (12:00-12:40)

- 2F09** Spatiotemporal Control of Surface Wetting and Transport of Droplets on Solid Surfaces by Electrochemistry
YAMADA Ryo, TADA Hirokazu
- 2F10** Auto-Oscillation of Interfacial Tension and Electrical Potential at a Liquid/Liquid Interface

IKEZOE Yasuhiro, ISHIZAKI Sadahiro, MIYAZAKI Taichi, YUI Hiroharu, FUJINAMI Masanori, SAWADA Tsuguo

General Symposium-2

Colloid and Interface Science under Micro-Gravity

Sep. 11 (Sat.)

Chairperson TSUJII Kaoru (9:00-10:30)

- 3F01** [Keynote] Studies of Chemistry in Space - What Would Happen in Chemistry If There Is No Gravity? –
NOKUCHI Hiroo
- 3F02** [Keynote] ISS Program and Prospect of Space Environment Utilization
SHIMIZU Junichiro
- 3F03** [Keynote] A Research Scenario of Chemistry under Space Environment
ISHIKAWA Masamichi
- Chairperson ISHIKAWA Masamichi (10:40-12:00)
- 3F04** [Keynote] Nonlinear Dynamics under Micro-Gravity
YOSHIKAWA Kenichi
- 3F05** [Keynote] Behaviors of Colloids in Supercritical Water and Near the Critical Point
DEGUCHI Shigeru
- 3F06** Gravity Effects on Concentration Fluctuation in Liquid-Liquid Phase Separation Systems
YAGUCHI Yutaka, IYAMA Taku, OZEKI Sumio

Room G

Japan-Australia International Symposium

Sep. 9 (Thu.)

Chairperson FURLONG Niel (MRIT) (9:10-10:30)

- 1G01** The Electrical Double Layer at Non-Polar Solid and Liquid-Aqueous Interfaces
HEALY Thomas W., FUERSTENAU Douglas W.
- 1G02** Electrophoresis of Highly Charged Colloidal Particles
OHSIMA Hiroyuki
- 1G03** Nano-Particle Suspension Rheology: Effect of Particle Size and Salt Concentration
FRANKS George, JAILANI Saifuddin
- 1G04** Lateral Force Microscopy Study of Friction between Plasma Hydrophilized Silica Surfaces in Electrolyte Solutions
DONOSE Bogdan C., VAKARELSKI Ivan U., HIGASHTANI Ko

Chairperson KURIHARA Kazue (Tohoku Univ.) (10:40-12:00)

- 1G05** Deformation and Transformation of Molecular Organized Structures due to Magnetic Fields
OZEKI Sumio, TAKAHASHI Tisuke, YAGUCHI Yutaka, FUKI Katsuhiko
- 1G06** Static and Dynamic Force Measurements Involving Deformable Bodies
CHAN Derek Y. C., DAGASTINE Ray R., GRIESER Franz, NESPOLO Sarah, STEVENS Geoff W.
- 1G07** Non-DLVO Interaction Forces between Oil-Water Particle Interfaces
DAGASTINE Raymond R., CHAN D. Y. C., GRIESER Franz, STEVENS Geoffrey W.
- 1G08** Nanomolecular Valve Effect in Gas Adsorption on Organic Cu Complex Crystals
NOGUCHI Hiroshi, KANOHI Hirofumi, KANEKO Katsumi

Chairperson KUNITAKE Toyoki (Kitakyushu Univ.) (13:30-15:10)

- 1G10** Formation of Worm-Like Micelles and Microemulsions in Sucrose Fatty Acid Ester Aqueous Systems
RODRIGUEZ Carlos, TANAKA Yusuke, ISHITOBI Masahiko, KUNIEDA Hironobu
- 1G11** Self-Assembly of Nonionic Surfactants in Ionic Liquids
ARAOS Miguel, GUERCHET Laurence, WARR Gregory G.
- 1G12** Template Synthesis and Colloid-Self-Assembly at the Interfaces of Ionic Liquids
KIMIZUKA Nobuo, NAKASHIMA Takuya
- 1G13** Resonance Shear Measurement for Studying Confined Liquids

KURIHARA Kazue, MIZUKAMI Masashi, FEHER Josef,
SAKUMA Hiroshi, MIZUNO Hiroyasu

- 1G14** Adhesive Boundary Lubricated Surfaces under Shear
RICHETTI Philippe, DRUMMOND Carlos

Chairperson GRIEZER Franz (Univ. Melbourne) (15:20-16:40)

- 1G15** Lateral Force Microscopy Study of Surfactant Mediated
Nanotribology

VAKARELSKI Ivan U., BASIM Bahar, BROWN Scott C.,
MOUDGIL Brij M.

- 1G16** The Effect of Surfactant Adsorption on Liquid Boundary
Slippage

HENRY C. L., NETO C., EVANS D. R., BIGGS S., CRAIG V.
S. J.

- 1G17** Electrochemical Control of Viscoelasticity in Worm-Like
Micellar Solution with Ferrocenyl Surfactant

Tsuchiya Koji, OHKUBO Takahiro, SAKAI Hideki, ABE
Masahiko

- 1G18** Metal Nanocluster Stabilized with Simple Ions and Solvents
----- Promising Building Blocks for Future Catalysts

WANG Yuan, ZHANG Junling, WANG Xiaodong

Sep. 10 (Fri.)

Chairperson HEALY Tom (Univ. Melbourne) (9:10-10:50)

- 2G01** Preparation and Characterization of Stable Dispersions of C_{60} in
Water

DEGUCHI Shigeru, ROSSITZA Alargova G., TSUJII Kaoru,
HORIKOSHI Koki

- 2G02** An AFM Study of the Dynamics of Citrate Displacement on
Silver Colloids by Organic Amines

DAGASTINE Raymond R., GRIESER Franz

- 2G03** Highly Sensitive Steady and Time-Resolved Fluorescence
Measurements of Ultrathin Films by Electric-Field Enhanced
Evanescent Light

NAGAMURA Toshihiko, KAWAI Hideki

- 2G04** 1-Methylaminopyrene (MAP): A Marker for Anionic
Surfactants and Nanostructured Gold Colloids

GHOSH Sujit Kumar, PAL Tarasankar

- 2G05** Integration of Cerasomes on Biopolymer Templates

HASHIZUME Mineo, TERASHIMA Takashi, KIKUCHI
Jun-ichi

Chairperson TSUJII Kaoru (Hokkaido Univ.) (11:00-12:20)

- 2G06** Optically Addressable Capsules

RADT Benno, CARUSO Frank

- 2G07** Adsorption of Proteins and Vitamins over Mesoporous Silica
and Carbon Molecular Sieves

VINU Ajayan, MIYAHARA Masahiko, ARIGA Katsuhiko

- 2G08** Evolution of Self-Assembly of Amino Acid Based Chiral
Surfactant, from Soft Organization Starting from Micelle to
Hard Mesophase and Further

SAKAMOTO Kazutami, CHE Shunai, TATSUMI Takashi,
TERASAKI Osamu

- 2G09** Biological Substrate Surface Sites and their Role in Aqueous
Metal Adsorption

BEWSELL Gordon D., HARDING Ian H., SKINNER William,
CRAWFORD Russell J.

Sep. 11 (Sat.)

Chairperson WARR Gregory G. (Univ. Sydney) (9:10-11:00)

- 3G01** Monolayer Formation and their UV-Lithography on Silicon
Surface via Si-C Bonds

YONEZAWA Tetsu, SHIRAHATA Naoto

- 3G02** Hydrodynamic Deformation of a Fluid Drop Approaching a
Solid Surface

HORN Roger, CONNOR Jason, WANG Lucy

- 3G03** Stereoregular Template Polymerization in Polymeric
Nanospaces

SERIZAWA Takeshi, HAMADA Ken-ichi, AKASHI Mitsuru

- 3G04** Probing the Polymer Adsorption Mechanism: Polyacrylamide
Interaction at the Clay-Water Interface

TAYLOR Matthew L., MORRIS Gayle E.

- 3G05** Molecular Sieving of Self-Supporting Metal Oxide Ultrathin
Films

FUJIKAWA Shigenori, MUTO Emi, KUNITAKE Toyoki

Chairperson NAGAMURA Toshihiko (Kyushu Univ.) (11:00-13:50)

- 3G06** Phase Behavior of Monolayers of Some Nonionic Surfactants at
the Air-Water Interface

KATO Teiji, ISLAM Md. Nazrul

- 3G07** Organized Thin Films of Stimulus-Responsive Copolymer
Micelles

WANLESS Erica J., WEBBER Grant B., ARMES Steven P.,
BIGGS Simon

Lunch (11:40-12:50)

- 3G09** Photoelectrochemical Properties of LB Films Composed of
Titania Nanosheets

HAGA Masa-aki, IKEDA Satoshi, AKATSUKA Kosho, EBINA
Yasuo, SASAKI Takayoshi

- 3G10** Self-Assembled Films of Planar Organic Molecules

GENTLE Ian R., RUGGLES Jeremy L., O'DRISCOLL
Benjamin M. D., FORAN Garry J.

- 3G11** A DNA-Based Electroluminescence Film

OKAHATA Yoshio, GOMI Kenji, KAWASAKI Takayoshi

Poster Session

General Symposium-1 Science and Technology Including from Nano- to Micro-Meter Sized Particles

- P001** Preparation Method for Mono - Dispersed Highly Concentrated
Gold Colloid Using Hydroxylamine and MeO-PEG-SH

SAKURA Takeshi

- P002** Preparation of Palladium Nanoparticles and their Ability of
Hydrogen Strage

NISHIHARA Hiroshi, HORINOUCI Shintaro, YAMANOI
Yoshinori, YONEZAWA Tetsu, MOURI Toshihiro

- P003** Polymer-Protected Ag/Rh Bimetallic Nanoparticles Formed by
Self-Organization - Structural Analysis and Consideration of a
Formation Mechanism by Using an EXAFS Technology-

MATSUSHITA Toru, SHIRAISHI Yukihide, HORIUCHI Shin,
ASAKURA Kiyotaka, TOSHIMA Naoki

- P004** Preparation of Colloidal Nanoparticles of Bismuth Telluride by
Reduction in Solution Using Protective Polymers

WATANABE Norihisa, TOSHIMA Naoki

- P005** Hybrid Films Consisting of Bismuth Telluride Microparticles
and Polyaniline

MARUTANI Hiromasa, WATANABE Norihisa, TOSHIMA
Naoki

- P006** A New Approach for the Ag Nanoparticles and Au/Ag Alloy
Nanoparticles Formation through the Reduction of Silver

Myristate and Gold(I)-Myristate Complex by Amine

YAMAMOTO Mari, NAKAMOTO Masami

- P007** Size Control of Gold Nanoparticles by Controlled Thermolysis
of Gold(I)-Thiolate Complexes

NAKAMOTO Masami, KASHIWAGI Yukiyasu,
YAMAMOTO Mari

- P008** Fabrication and Ordered Array of TiO₂ Nanosheets Coated
Monodispersed Particle

TSUKIGASE Azusa, NAKANO Hideyuki, ISHII Masahiko,
NAKAMURA Hiroshi

- P009** Optical Properties of Colloidal Crystals of Core-Shell Spheres

ISHII Masahiko, HARADA Masashi, NAKANO Hideyuki,
TSUKIGASE Azusa, NAKAMURA Hiroshi

- P010** Controlling the Emission Property of CdTe Nanocrystals by
Place Exchange Reaction

TSURUOKA Takaaki, AKAMATSU Kensuke, NAWAFUNE
Hideimi

- P011** Metallization of Sub-Micrometer Polymeric Sphere

FUJIMOTO Asami, AKAMATSU Kensuke, NAWAFUNE
Hideimi

- P012** Tuning the Microstructure of Ni-Polyimide Nanocomposites

SHINAKI Hiroyuki, AKAMATSU Kensuke, NAWAFUNE
Hideimi, TOMITA Satoshi

- P013** Preparation of Hybrid Nanoassemblies with Polymer Nanosheets
Containing Ruthenium Complex and Metal Nanoparticles

TANAKA Hiroyuki, MITSUISHI Masaya, MIYASHITA Tokuji

- P014** Fabrication and Optical Properties of 2-Dimensional Colloidal
Particle Arrays

ISODA Asami, KAWAKAMI Masamichi, KONDO Takeshi,
KAWAI Takeshi

- P015** Synthesis and Reactivity Properties of Gold Nano-Snowflake
PANG Shufeng, KONDO Takeshi, KAWAI Takeshi
- P016** Synthesis and Morphology Control of MgFe₂O₄ Nanoparticles by Hydrothermal Synthesis in Supercritical Water
SASAKI Takafumi, OHARA Satoshi, Umetsu Mitsuo, Takami Seiichi, ADSCHIRI Tadafumi
- P017** One Step Synthesis of Surface-Modified Metal Oxide Nanoparticles and their Functionalization
SATO Teruyuki, MOUSAVAND Tahereh, OHARA Satoshi, UMETSU Mitsuo, TAKAMI Seiichi, ADSCHIRI Tadafumi

General Topics

- P018** Observation of O₂ Cluster Formation inside a Single-Crystal Adsorbent [Rh₂(bza)₄(pyz)]_n
NAKATA Ei-ichi, SAITO Teruo, AKATSUKA Takamasa, TAKAMIZAWA Satoshi
- P019** Preparation of One Dimensional Transition-Metal Complex Oligomers by the Surface Bottom-Up Method.
KANAIZUKA Katsuhiko, MURATA Masaki, NISHIHARA Hiroshi
- P020** Effects of Biomolecules on DNA Damage Photocatalyzed by Titanium Dioxide
HIRAKAWA Kazutaka, YOSHIDA Mami, MORI Masafumi, KAWANISHI Shosuke
- P021** High Resolution Observation of the Formation of a Bilayer Lipid Membrane
FUJIWARA Hisashi, ISHIWATA Takashi

Nanoparticles

- P022** Disintegration of Uric Acid Crystal and Inhibition of Crystal Growth after the Adsorption of Erythrosine B or Rose Bengal
KOJIMA Tomomi, HINO Tomoaki, SHIMABAYASHI Saburo
- P023** Preparation of Hydroxyapatite Particles Having Hydrophobic Surface
WARABINO Kuniomi, HINO Tomoaki, SHIMABAYASHI Saburo
- P024** Formation of Tubular Particles of Vanadium Oxide Hydrate by Hydrothermal Treatment
MATSUDA Tomoko, KATAOKA Norihiko, KATOU Hiroyuki, KITTAKA Shigeharu
- P025** Preparation of Au/TiO₂ Particles in Reverse Microemulsion and their Photocatalytic Activities Excited by Visible Light
FUKUMURA Kosuke, IMAI Yoko, TAJIMA Kazuo
- P026** Photocatalysis of a Transparent Aqueous Sol Prepared from Titanium Tetraisopropoxide
NAKAMURA Noriyuki, YAMAZAKI Suzuko
- P027** Cyclodextrin-Stabilized Metal Nanoparticle Catalysts for Visible-Light-Induced Hydrogen Generation
KOTANI Tomoko, SHIRAIISHI Yukihide, TOSHIMA Naoki
- P028** Quenching Ability of Reactive Oxygen Species by Nobel Metal Nanoparticles
KAJITA Masashi, YOSHIDA Hideaki, WATANABE Aki, SHIRAIISHI Yukihide, TOSHIMA Naoki, HISATSUNE Tatsuhiro, MIYAMOTO Yusei
- P029** Preparation and Catalysis of Pd/Pt/Rh Trimetallic Nanoparticles with Core/Shell Structures
KANEMARU Masao, MATSUSHITA Toru, SHIRAIISHI Yukihide, TOSHIMA Naoki
- P030** Preparation and Catalysis of Au/Pt/Rh Trimetallic Nanoparticles
ITO Rei, KANEMARU Masao, MATSUSHITA Toru, SHIRAIISHI Yukihide, TOSHIMA Naoki
- P031** Aggregation of Gold Nanoparticles Induced by Laser Trapping
KAWASAWA Takahiro, NIIDOME Yasuro, YAMADA Sunao
- P032** Simple Preparation of Cathionic Gold Nano Particles and The DNA Binding Ability
HORIGUCHI Yukichi, NIIDOME Yasuro, NIIDOME Takuro, YAMADA Sunao
- P033** Synthesis of Gold Nanoparticles with Multichain Cationic Surfactants
KUWAHARA Yutaka, SAKAI Masako, TOMITA Keisuke, SAWADA Tsuyoshi, SHOSENJI Hideto, YAMADA Sunao
- P034** Syntheses and Characterization of Glucose-Modified Gold Nanoparticles
SEGUCHI Hideki, YOSHIDA Katsuhira, WATANABE Shigeru
- P035** Large Scale Synthesis of Subnanometer-Sized Gold Cluster and their Assembly
NISHIDA Naoki, YAO Hiroshi, SASAKI Akito, TSUKUDA Tatsuya, NEGISHI Yuichi, KIMURA Keisaku
- P036** Controlling Dispersion-Aggregation Behavior of DNA-Modified Gold Nanoparticles
KIMURA Mio, SHIBATA Yo-ko, AKAMATSU Kensuke, NAWAFUNE Hidemi, NAKANO Shu-ichi, MIYOSHI Daisuke, SUGIMOTO Naoki
- P037** Specific Structure Expression of the Gold Nanoparticle Aggregation
FUKUOKA Takao, KURAMOTO Ryosuke, SUZUKI Nobuyasu, MORI Yasushige
- P038** Dynamic Behavior of Surface-Modified Au Nanoparticles at an Electrode / Solution Interface
KOKUBU Masashi, SAGARA Takamasa
- P039** Preparation of Metal Nano Particles with the Use of Surfactant Free W/O Emulsion
KATO Hiroyuki, MOMOZAWA Nobuyuki, KAMOGAWA Keiji, OHOKUBO Takahiro, SAKAI Hideki, ABE Masahiko
- P040** Preparation and Characterization of PAMAM Dendrimer-Encapsulated Pt Nanoclusters Having Very Narrow Size-Distributions
MATSUNAMI Yuki, SETO Miyuki, MIYATO Takeshi, HEKI Tatsuo
- P041** Morphological Study of Dendrimers and Pt Nanoclusters by HR-TEM
MIYATO Takeshi, MATSUNAMI Yuki, SETO Miyuki
- P042** Enzymatic Biosynthesis of Gold Nanoparticles
YASUI Kei, KIMIZUKA Nobuo
- P043** One-Step Synthesis of Metal Oxide Micro-Rings in Ionic Liquids
MATSUMOTO Yuta, NAKASHIMA Takuya, KIMIZUKA Nobuo
- P044** Thermal Decomposition Process of Ba_xSr_{1-x}TiO₃ Precursor Solution.
HONDA Kisuke, MUROYA Masa-aki
- P045** Preparation of Porous Spherical Diopside and Control of its Pore Size
TOKUOKA Yoshikazu, HASEBE Aya, NAKAMURA Yuhki, MURAKAMI Takuro, IWATA Noriyuki, HIRANO Yoshiaki, KAWASHIMA Norimichi
- P046** Solubilization of Single-Walled Carbon Nanotubes with π -Aromatic Compounds in Water
TOMONARI Yasuhiko, MURAKAMI Hiroto, NAKASHIMA Naotoshi
- P047** Adsorption Property of Polyaniline Colloid on the Trace Metal Ion
ENDO Nobutaka, TAKAOKA Shinji, HIGA Mitsuru, MATSUSAKI Koji
- P048** Diffusion of Base Accompanying with Chemical Reaction in Charged Colloidal Silica
HAYASHI Masanobu, MURAI Masako, YAMANAKA Junpei, YONESE Masakatsu
- P049** One-Directional Crystal Growth in Charged Colloidal Silica Dispersions Driven by Diffusion of Pyridine
MURAI Masako, YAMANAKA Junpei, YONESE Masakatsu, ITOU Kensaku, Sawada Tsutomu
- P050** Homogeneous Dispersion of Silica Nano Particles in Organic Polymer Nanocomposite
SETOH Nobuharu, TAKEI Takashi, KANAMURA Kiyoshi, CHIKAZAWA Masatoshi
- P051** Dispersion and Fluidity of Submicron Size Particle Suspensions by Addition of Halogen-Free Titanate Aqueous Solutions
ADACHI Naoki, SAITO Masaaki, OHYA Tomokazu, SAKURADA Osamu, HASHIBA Minoru, TAKAHASHI Yasutaka
- P052** Measurement of Fluctuations in Colloidal Crystals
YAMADA Hisashi, YOSHIOKA Shinya, KINOSHITA Shuichi
- P053** Progress of Conditions of Dispersed Phosphors by Surface Reforming
MATSUMOTO Ai, SAKAI Hideki, OHKUBO Takahiro, MANABE Yoshio, ABE Masahiko
- P054** Assembly Formation of Living Cells Using Electric Fields
TESHIMA Yuki, MOMOZAWA Nobuyuki, OHKUBO Takahiro, SAKAI Hideki, ABE Masahiko
- P055** Colloidal Crystallization by Sedimentation
SUZUKI Yoshihisa, XIA Younan, SAWADA Tsutomu, MORI Atsushi, TAMURA Katsuhiro
- P056** 3D Periodic Structures from Core-Shell Microparticles
FUKAZAWA Norimasa, JIN RenHua
- P057** Electrokinetic Studies of Nano-Particles by a Moving Boundary Method

DASHDONOG Bayarama, ISHIKAWA Teppei, OZAKI Masataka

- P058** Electrorheological (ER) Effects and Electric Conductivity in BaTiO₃ and Ba_{1-x}Sr_xTiO₃ Suspensions
MISONO Yasuhito, FURUKAWA Shoichi, YOSINAGA Hitomi, SUGIYAMA Junko, NEGITA Keishi
- P059** Shear-Induced Particle Rotation and its Effect on the Electrorheological (ER) Effects
NEGITA Keishi, MISONO Yasuhito, SHINAGAWA Junji, INAMASU Yoshiki

Molecular Assembly

- P060** Kinetics for Complexation Reactions between a Divalent Metal Ion and an Organic Compound in Anionic Micellar Solutions.
KURODA Mitsunori, IKEDA Yoshiyuki, SASAKI Muneo
- P061** Order-Disorder Transition Dynamics of Surfactant Micelles
YOSHIDA Ikuko, IMAI Masayuki
- P062** The Effect of Counterion on the Mixed Micelle Formation of SDS with a Fatty Acid Salt of Hydrocarbon or Fluorocarbon Chain.
SHIOMI Masaki, MANABE Masahiro, ITOU Chie, YOSHIDA Akane, KAWAMURA Hideo, KATSUURA Hajime
- P063** Effect of Charge Number of Inorganic Cation on Miscibility of Inorganic Salt and Surfactant in Adsorbed Films and Micelles
IYOTA Hidemi, TOMIMITSU Takako, SHIMADA Kazuko, IKEDA Norihiro, MOTOMURA Kinsi, ARATONO Makoto
- P064** Relation between Intra- and Intermicellar Triplet-Triplet Annihilation of Pyrenetetrasulfonate and Percolation Transition in an AOT Reverse Micellar System
MORI Yoshihiro, SHINODA Hiroyuki, NAKANO Taku
- P065** Synthesis of SiC Nanoparticles by Core-Cross-Linking and Pyrolysis of Silicon-Containing Block Copolymer Micelles
MATSUMOTO Kozo, NISHIYA Takashi, MATSUOKA Hideki
- P066** Effect of Hydrophobic Amino Acids on the Conformational Change of Decapeptides in Micellar Environments.
KUWAHARA Junko, AKISADA Hideo, KATO Tamaki, NISHINO Norikazu
- P067** Study on Molecular Packing in the Adsorbed Film and Micelle of Mixed Cationic Surfactants Having Different Alkyl-Chain Length
NAKANO Takayuki, TAKAHARA Hiroyuki, MATSUBARA Hiroki, TAKIUE Takanori, ARATONO Makoto
- P068** Micelle Formation of Ionic Diblock Copolymer Containing Strong Acid Groups
HARADA Tamotsu, MATSUMOTO Kozo, MATSUOKA Hideki
- P069** Solution Properties of a Surfactant Having an Azulene Moiety
KOBAYASHI Hideharu, FUJIO Katsuhiko, OZEKI Sumio
- P070** The Hydration of AOT and the Formation of W/O Microemulsion
SAMESHIMA Kaori, TATNAKA Reiji
- P071** Comparison of Aggregation of Metal Complex Coordinated with Cyclam Substituted by One or Two Long Alkyl Groups.
ARAI Daisuke, IKEDA Riyako, MIYAMURA Kazuo
- P072** Evaluation of Micelle Forming Parameters of Dialkyldimethylammonium Bromides from Differential Conductivity Measurements
YASUDA Manami, KONDO Yoshinori, IKEDA Nao, ISHIGURO Ryo, KAMEYAMA Keiichi, HIRAMATSU Koichi, MANABE Masahiro
- P073** The Relaxation Analyses for Presence States of the Alkylpyridinium Salt Analogs in the Aqueous Micelles.
SOGABE Keisuke, ITO Daisuke, TSURUMAKI Toshihide, YOSHINO Akihiro
- P074** Significant Acceleration of Ester Hydrolysis by a Novel Amphiphile Possessing a Structured Cationic Head Group
NAKAZAWA Kanako, KOBAYASHI Yoshitaka, TAKEMURA Tetsuo
- P075** Adsorption and Micelle Formation of Mixed Surfactant Systems in Water. V: Two Combinations of Membrane Protein Solubilizers
SUGIHARA Gohsuke, NISHIIKAWA Fumika, TANAKA Toshiya, NAKASHIMA Noriko, INOUE Tohru, Chen Li-Jen
- P076** Theory for Oscillation of Surface Tension of Gelatin Solution
HYONO Atsushi, SATO Hiroko, MATSUBARA Hiroki, OKUBO Masayoshi, OHSHIMA Hiroyuki
- P077** Evaluation of Pseudo-Phase Volume of Fulvic and Humic Acids by Use of Acid Dissociation Equilibria as a Probe
KURIYAMA Junya, MIYAJIMA Tohru

- P078** Unusual Complexation of Co²⁺/SCN⁻ System in the Presence of Dowex 50W Resin
AIHARA Junichi, MIYAJIMA Tohru, KAMACHI Masashi
- P079** Effect of Polyions to Ionic Reaction Equilibria
TAJIRI Ken-ichi, MIYAJIMA Tohru
- P080** Enhancement Effect of Pyrrolidone Monomer/Polymer/Gel on the Complexation of Co²⁺/SCN⁻ System
KAMACHI Masashi, MIYAJIMA Tohru
- P081** Estimation of Polyelectrolyte Phase Volume Based on the Analysis of Acid Dissociation Equilibria of Weak Acid Polyelectrolytes
CAHI Yuhong, MIYAJIMA Tohru
- P082** Fabrication and Spectroscopy of Oriented J-Aggregates
KITAHAMA Yasutaka, KIMURA Yasuyuki, TAKAZAWA Ken
- P083** Formation of Sol Gel and Glassy State of Europium(III) Acylalaninate Complex and its Luminescence Properties
IDA Masayasu, HASHIMOTO Sayaka, YASUDA Ami
- P084** Effect of Complex Formation between Aromatic Compound and Water - Soluble Polymer on the Oil/Water Partitioning and Particle Size of the Emulsion
DEGUCHI Aki, HINO Tomoaki, SHIMABAYASHI Saburo
- P085** Distinctive Self-Assembling Properties of Glycolipid Biosurfactants
IMURA Tomohiro, YAGI Hisaaki, SAKAKI Keiji, NEGISHI Hideyuki, Ikegami Toru, YANAGISHITA Hiroshi, KITAMOTO Dai
- P086** Bundle-Like Assembly of Cadmium Hydroxide Nanostrands and Sulfonated Dye Molecules
LUO Yanhong, HUANG Jianguo, ICHINOSE Izumi
- P087** Construction of DDS with Reconstituted Hemoglobin and its SOD Activity
HAYASHI Takamitsu, YAMAGUCHI Aritomo, OYAZU Kenichi, YUASA Makoto
- P088** Construction of Lipid Higher Order Structures -Self-Assembly of Nanoribbon Composed of Artificial Cyclic Lipid-SHIBAKAMI Motonari, GOTO Rie
- P089** Local Environment and Properties of Water inside the Hollow Cylinder of Lipid Nanotube
YUI Hiroharu, GUO Yanli, SAWADA Tsuguo, YANG Bo, MASUDA Mitsutoshi, SHIMIZU Toshimi
- P090** Optical Trapping and Assembly of Pseudoisocyanine Aggregates by Photon Pressure of a Focused Laser Beam
TANAKA Yoshito, YOSHIKAWA Hiroyuki, MASUHARA Hiroshi
- P091** Fabrication of Nano-Particles from Block Copolymers with Unique Surface Structures
HIGUCHI Takeshi, YABU Hiroshi, SHIMOMURA Masatsugu
- P092** Temperature Dependent Chirality Reversal of CD Spectra Induced in the Complexes of Acylamino Acid and Dye
HAYAKAWA Katumitu, SATO Mayuko, TANOKURA Masaru, YAMATO Naoya
- P093** Abstract withdrawn
- P094** Relationship between the Structure of Hydrophobic Group of Dialkylphosphate Metallic Salts and their Oil Gelation Properties (2)
OKUTSU Munehisa, IHARA Takeshi
- P095** Micro Structural Observation of Bicontinuous Cubic Liquid Crystalline by Transmissin Electron Microscope
TESHIGAWARA Takashi, WATANABE Kei, NODA Akira, IMAE Toyoko
- P096** Physico-Chemical Properties of Low-Mass Gelators with a Coumarine Skeleton
KAWABE Kosuke, MORITA Yuki, OKAMOTO Hiroaki, TASAKA Takeyasu, TAKENAKA Shunsuke
- P097** Gel Formation Factor of MAP-Nonionic Surfactant System
YAMASHITA Oasamu, NISHIWAKI Yuri
- P098** Controlled Solute Release from Microporous Cellulose Ether Gel Prepared by Freezing
KOMATSU Rieko, YAMAGUCHI Suguru, KAKU Naomi, MOROHOSHI Tomohiro, IKEDA Tsukasa, GEHRKE Stevin H, KATO Norihiro
- P099** Characterization of Biodegradable Poly(Glutamic Acid) Gel Crosslinked by PEG Chain
YAMAGUCHI Suguru, MOROHOSHI Tomohiro, IKEDA Tsukasa, KATO Norihiro
- P100** Studies on Dynamic Surface Tension and Emulsification of Aqueous Solutions of Food Proteins
RANGSANSARID Jongjit, FUKADA Kazuhiro

- P101** Static and Dynamic Light Scattering Studies on a Dilute Lamellar Phase Structure
GIBO Kaori, KAWABATA Yohei, KATO Ysfsaji
- P102** Emulsions of Hydrocarbon and Silicon Oils by Three-Phase Emulsification and their Stabilities
HORIUCHI Teruo, IMAI Yoko, NOHATA Yasuhiro, TAJIMA Kazuo
- P103** Trial Production of Fuel Emulsion with Light-Oil by Three-Phase Emulsification and its Properties
IMAI Yoko, HORIUCHI Teruo, TAJIMA Kazuo
- P104** Analysis of AOT W/O Emulsion by Dielectric Relaxation
SAMESHIMA Kaori, TANAKA Reiji
- P105** Binding of a Dodecyltrimethylammonium Ion on Low-Charge-Density Poly(Acrylic Acid)
KATSUURA Hajime, Morii Daisuke, MANABE Masahiro, KAWAMURA Hideo, SHIOMI Masaki
- P106** The Effect of PH on the Interaction between Surfactants and Humic Substances
MIN Min Yee, MIYAJIMA Tooru, TAKISAWA Noboru
- P107** A Drastic Volume Change of Microcapsules Induced by Solvent Exchange
NARITA Takayuki, MOGAMI Nathumi, YAMAMOTO Takao, DOBASHI Toshiaki

LB & SAM

- P108** Langmuir-Blodgett Films of dmit Derivatives and [Ni(dmit)₂] with Long Alkyl Chains
TOMIYAMA Etsuko, MIYAMURA Kazuo
- P109** Fabrication of Hybrid Langmuir-Blodgett Films of Amphiphilic Cyclodextrins and Azobenzene Derivatives
NOGUCHI Satoshi, MATSUZAWA Yoko, SAKAI Hideki, ABE Masahiko, MATSUMOTO Mutsuyoshi
- P110** Influence of the Packed Structure on the Photoisomerization of Azobenzene Derivative in LB Film
YOKOHARI Tomohiro, TAKAHASHI Masashi, OKUHARA Takashi, TAJIMA Kazuo, KOBAYASHI Koichi
- P111** Fabrication of LB Films of Iron Complexes Exhibiting Photo-Switching Behavior
NAKAMURA Sayaka, HIGASHI Tatsuro, TANI Seiji, KAWAMATA Jun, MIYAZAKI Soushi, HAYAMI Shin-ya
- P112** Sensitized Photochemical Doping of TCNQ Film with Sacrificial Donor
ISHIGURO Katsuya, YABUKI Emi
- P113** Phase Behavior and X-Ray Diffraction Studies on Monolayers of Several Mycolic Acids Extracted from M.intracellulare
Kawai Mizuo, Villeneuve Masumi, Nakahara Hiroo, Watanabe Motoko
- P114** Behavior of Liquid-Crystalline Polysiloxanes at Air/Water Interface and Characterizations of their LB Films
URAGAMI Tadashi, FUKUNISHI Satoshi, MIYATA Takashi
- P115** A Study on Structure and Property of Spread Monolayer of a Long Chain Pyridinium Derivative
SHIRAI Yoshinori, IIMURA Ken-ichi, KARIKOMI Michinori, KATO Teiji
- P116** Mesoscopically Phase-Separated Structure in Mixed Langmuir Monolayer of Octadecyltriethoxysilane and a Perfluoropolyether Acid
SHIRAKU Tatsuya, IIMURA Ken-ichi, KATO Teiji
- P117** Morphological Studies of LB Films of a Non-Amphiphilic π -Conjugated Ketone
INADA Yozo, HIRAKAWA Shoi c hiro, HIGASHI Tatsuro, TANI Seiji, KAWAMATA Jun
- P118** Characteristics and Nanostructure of Strong Polyelectrolyte Brush on Water Surface
KAESAIHA Ploysai, MATSUMOTO Kozo, MATSUOKA Hideki
- P119** Polypyrrole/Titania Nanohybrid Fibers Derived from Natural Cellulose
HUANG Jianguo, ICHINOSE Izumi
- P120** Molecular Dynamics Study on the Water / Oligo(ethyleneglycol) Terminated Alkanethiol Self-Assembled Monolayer Interface.
YOSHIDA Takashi, SHINODA Wataru, TSUZUKI Seiji, MIKAMI Masuhiro
- P121** Formation of Inorganic Thin Films by Micelle Electrolysis Method Using Ferrocenyl Surfactant
YOSHIOKA Hiroya, IMAMURA Hitoshi, TSUCHIYA Kouji, OOKUBO Kahiro, SAKAI Hideki, ABE Masahiko
- P122** Effect of Amphiphiles on Potential Behavior of Carboxy Terminated Thiolate Modified Gold Electrode
MAEDA Tamaki, TOMO Norihiro, TOMIKI Akiko, KAMINAGA Akiko, HAYAKAWA Katumitu
- P123** Fabrication of Ordered Arrays With Monodisperse Particles
KAMEYAMA Ryoji, HIROSE Mitsuaki, KOBAYASHI Yoshio, KONNO Mikio
- P124** Skin Lamellae Properties of β -Galactosyl-L-Serine-Diamide to Improve Skin Barrier Function
NAKAZAWA Hiromitsu, FUKUNAGA Kyoko, YAKUMARU Masafumi, SUMIDA Yasushi, SAKAI Shingo, INOUE Shintaro
- P125** Solubilization of Amphiphiles into DPPC Liposome Membranes in Gel and Liquid-Crystalline States
AKIZUKI Kensuke, KAWAMURA Hideo, MANABE Masahiro, KATSUURA Hajime, SHIOMI Masaki
- P126** Preparation of Solid Foam Films and their Characterization by Electron Microscopy
JIN Jian, HUANG Jianguo, ICHINOSE Izumi
- P127** Nanoscale Observation of Phase Separation in Vesicles and LB Films Formed by Binary Phospholipid Mixture.
MATSUDA Kazuhiro, OHKUBO Takahiro, SAKAI Hideki, ABE Masahiko
- P128** Electro-Conductivity Studies on the Spontaneous Vesicle Formation of Two Cationic Surfactant Mixtures
WONGWAILIKHIT Kanda, ONIMARU Nami, MATUBARA Hiroki, TAKIUE Takanori, ARATONO Makoto
- P129** Effect of α , ω -Dicarboxylic Acids on Giant Vesicles
KAMIO Katsuhiko, TAKAHATA Kenzi, HISADA Sinzi, YONEMITSU Tadashi
- P130** Effect of Amphiphiles on Degree of Counter-Ion Dissociation of DDAB Vesicle Membrane
MYOJO Masako, KAWAMURA Hideo, MANABE Masahiro, KATUURA Hajime, SHIOMI Masaki
- P131** Spontaneous Vesicle Formation of Single Chain-Double Chain Cationic Surfactant Mixtures
KOGA Ikuyo, YOSHIKAI Yumi, ONIMARU Nami, SHIGEHISA Makiko, SAKAMOTO Hiroyasu, MATSUBARA Hiroki, TAKIUE Takanori, ARATONO Makoto
- P132** Preparation of Cationic Manganese and Iron Porphyrin/Niosome and Its Anti-Oxidant and Anti-Cancer Property
KASAHARA Kazunori, YAMAGUCHI Aritomo, OYAIZU Kenichi, YUASA Makoto
- P133** The Mechanism of Domain Formation in the Lipid Bilayers
MASUI Tomomi, NAKAYA Kaori, IMAI Masayuki
- P134** Phase behavior of Distearoylphosphatidylcholine-Cholesterol Binary Bilayer Membranes
UEMURA Maiko, KUSUBE Masataka, TAMAI Nobutake, MATSUKI Hitoshi, KANESHINA Shoji
- P135** Properties of Chiral Bilayer-Membranes-Immobilized Polymer Gels
MATSUO Goh, TSUJII Kaoru
- P136** Miscibility in Adsorbed Film of Fluoroalkanol and Cationic Surfactant Mixture at Hexane/Water Interface
SHIBATA Kinue, KAMIKIDO Nobuyoshi, MATSUBARA Hiroki, TAKIUE Takanori, ARATONO Makoto
- P137** Effect of ω -Hydrogenation on the Adsorption of Fluoronanol at the Hexane/Water Interface
HIROSE Daisuke, MATSUBARA Hiroki, MURAKAMI Daiki, SAKAMOTO Hiroyasu, TAKIUE Takanori, ARATONO Makoto
- P138** Effects of Sidewall Properties on Macroscopic Waves in Oil/Water Interface
KURAGANE Sachiko, SHIOI Akihisa
- P139** Molecular Behavior of Acyl Amino Acid Surfactants Aqueous Solution at Dynamic Surface
TAKAMORI Hide, HATTORI Tatsuya, KIDOKORO Tadahiko
- P140** Control of Droplet Surface Energy with a Synthetic Ceramide
NAGASAKI Tomoko, UEDA Takehiko, MORI Seiko, SUEMATSU Hiroshi, ITAHARA Toshio
- P141** Surface-Adsorption of Dihexanoylphosphatidylethanolamine
TAURA Ai, TAMAI Nobutake, MATSUKI Hitoshi, KANESHINA Shoji
- P142** External Reflection FT-IR Measurement of Surfactant Adsorbed Film at Air/Water Interface
MATSUDA Takashi, MATSUBARA Hiroki, TAKIUE Takanori, ARATONO Makoto
- P143** Pressure Effect on the Adsorption at Water/Benzene Interface and Micelle Formation of Fluorocarbon Surfactant
HAYAMI Yoshiteru, FUTAMI Satoshi, IKEDA Norihiro, TAKIUE Takanori, ARATONO Makoto
- P144** Piezoelectric Ethanol Sensor
EDA Yoshiaki

- P145** A Study on Adsorption Structure and Property of Silicone-Containing Hair-Conditioning Agents on Hair Model Surfaces
YAHIRO Yuuki, IIMURA Ken-ichi, KAGEYAMA Motohiro, NISHIDA Yuichi, KATO Teiji

Surface & Interface

- P146** Influence of Chemical Structure on Surface Forces of Polycarboxylate-Based Dispersants
KOIKE Ryo, INOUE Shigeto, SHIROTA Kyoichi, KURIHARA Kazue
- P147** The Effects of the Phosphates on Structure of the Calcium Fluoride Nano-Particle and Acid Resistance of Tooth Surface
WAKASA Masanobu, NAKANISHI Kuniyuki, OKAMOTO Masayuki, MANAGO Kenji, YAMAGISHI Atsushi, SAKATA Takao, MORI Hirotarō
- P148** Preparation of Graphite-Silica Hybrid Thin Film and its Characterization
MACHIDA Shingo, OHKUBO Takahiro, SHIRAHIGE Minoru, IDEYAMA Sadao, SAKAI Hideki, ABE Masahiko
- P149** Degradation of Surface Monolayer on Silicon Wafer during XPS Measurement - Effect of Oxide Thickness on the Degradation of C-Cl Bond -
HOTTA Takahide, WATANABE Hidetoshi, FURUSAWA Takeshi, SATO Masahide, ITOH Naotsugu, SUZUKI Noboru
- P150** Reaction Iron Oxide Particles and Silane Coupling Reagent
IKEDA Tetsuro, OGAWA Makoto
- P151** Cobalt Oxide and Chromium Oxide Pillared Graphite
SAWANO Hiroshi, SAITO Tetsuji, MORISHIGE Kunimitsu
- P152** Selective Gas Adsorption of Porous Coordination Polymers with Pillared Layer Structure
TSUJINO Takashi, MATSUDA Ryotaro, KITAGAWA Susumu
- P153** Freezing and Melting of Water in Ordered and Disordered Porous Silica
UEMATSU Hiroaki, MORISHIGE Kunimitsu
- P154** Adsorption Properties of Hybrid Porous Coordination Polymers
KINOSHITA Yoshinori, MATSUDA Ryotaro, KITAGAWA Susumu
- P155** Spontaneous Formation of the Supported Lipid Layer of a Phospholipid Assisted by a Nonionic Surfactant
SUGIURA Tomohiro, ISHIGURO Ryo, KAMEYAMA Keiichi, HIRAMATSU Koichi
- P156** Abstract withdrawn
- P157** The Adsorption and Desorption Reaction Mechanism on the TiO₂ Surface by in situ QCM Measurements
HONJO Haruo, HORIKOSHI Satoshi, HIDAKA Hsao
- P158** Preparation of Mesoporous Titania Particles and their Photocatalytic Activity under Visible Light Irradiation
MUKAI Tatsuya, AKITA Takahito, SHIBATA Hirobumi, OHKUBO Takahiro, SAKAI Hideki, ABE Masahiko
- P159** Preparation of Typical Element Doped Titanium Oxide with Metalliferous Reduction Method and its Optical Properties
AKITA Takahito, SHIBATA Hirobumi, OHKUBO Takahiro, SAKAI Hideki, ABE Masahiko
- P160** Structural Determination of Aggregated Ethanol Pair Generating within the Channels of a Single Crystal Adsorbent [Cu(II)₂(bza)₄(pyz)]_n through the Vapor Adsorption Process.
SAITO Teruo, NAKATA Ei-ichi, AKATUKA Takamasa, TAKAMIZAWA Satoshi
- P161** Reactivity of Adsorbed Species from Methanol over a Samarium Oxide Surface Investigated by Infrared Spectroscopy
MAEHARA Hisashi, MIHARU Naoya, SAKATA Yoshihisa, IMAMURA Hayao
- P162** Study on Novel Preparation Method of Visible-Light Responsive Oxynitride Photocatalysts
OTSUKA Harumi, NAGAIHIRO Tomoaki, TAKIMOTO Ikuharu, SAKATA Yoshihisa, IMAMURA Hayao
- P163** Changing of Polymer Thin Films Properties by Swelling and Adsorption in Water and Aqueous Surfactant Solutions
YOSHIDA Sanae, FUJII Masatoshi, KATO Tadashi
- P164** Surface Forces between Glass and Graphite in NaCl Solutions
KAWASAKI Hideya, SASAKI Akihiko, MAEDA Hiroshi
- P165** Interaction Forces between Solid Surfaces in Liquid Crystals
SHINTO Hiroyuki, KOBAYASHI Kiwamu, HYODO Terumasa, HIGASHITANI Ko
- P166** Characterization of Dye/Liquid Crystal Nano-Films Studied by Shear Resonance Measurement and FECO Spectroscopy
MIZUNO Hiroyasu, MIZUKAMI Masashi, KURIHARA Kazue
- P167** A Study on Molecular Lubrication Film of Hard Disk Surface

IWABUCHI Tatsuru, KATO Teiji, AMOU Mina, NAKAKAWAJI Takayuki

- P168** Computer Simulations of Interaction Forces between Colloidal Particles in Aqueous Solutions
MORISADA Shintaro, MURANISHI Kenji, SHINTO Hiroyuki, HIGASHITANI Ko
- P169** Interaction Forces between Thermoresponsive Polymer-Grafted Surfaces and Hydrophobic Particles in Aqueous Solution
ISHIDA Naoyuki
- P170** Adhesion of Giant Liposome on Topographically Patterned Surface
SUZUKI Kenji, IWASAKI Hiroshi, OKAJIMA Toshihide, TANIZAWA Katsuyuki
- P171** Zeta-Potential on the Surface of Fibers by Electrophoresis Method
NAKAMURA Shoichi
- P172** Studies on Formation Mechanism and Electrical Properties of Microtubes Self-Assembled in Electrochemical Polymerization of Pyrrole
EGUCHI Kazuki, YAN Hu, OHNO Naonori, YABUCHI Kazuhiro, INOKUCHI Makoto, TOSHIMA Naoki
- P173** Relationship between Polymer Structure of a CO₂ Selective Membrane Prepared from a Hyper-branched Graft Polymer and its Permselectivity for CO₂
EGASHIRA Satsuki, HIGA Mitsuru
- P174** Shear Stress Effect on Organic Thin Films
INOKUCHI Makoto, KAWAMURA Daisuke, NAGAOKA Atsushi, YABUCHI Kazuhiro, SHIROTANI Ichimin, HAYASHI Jun-ichi, KAWAMURA Haruki, YAKUSHI Kyuya

Industrial Applications

- P175** Study on Soap-cationic Polymer Complex
KIMURA Tomohiko, ADACHI Kentaro, NODA Akira
- P176** Preparation and Properties of Powders Coated with Titanium Dioxide/Poly(Dimethylsiloxane) Hybrid
NAKADE Masato, ISHIMORI Toshihiro, OGAWA Makoto

Japan-Australia International Symposium

- P177** Reaction-induced Structural Evolution during the Formation of Mesoporous Silica in Fatty Acid-amino Silane Aqueous Systems
RODRIGUEZ Carlos, IZAWA Teruki, SAKAMOTO Kazutami, LOPEZ-QUINTELA Artur, ARAMAKI Kenji, KUNIEDA Hironobu
- P178** Restricted Hydration Structure of Nano-Ionic Solution in Carbon Nanospaces
OHKUBO Takahiro, NOBUHARA Yuko, KANOHI Hirofumi, KANEKO Katsumi, SAKAI Hideki, ABE Masahiko
- P179** Adsorption of Divalent and Trivalent Aqueous Metal Ions onto Inorganic Substrates
ELDRIDGE Daniel S., CRAWFORD Russell J., HARDING Ian H.
- P180** Resonance Shear Study of Traction Oil-Model Compounds
FEHER Jozsef, KURIHARA Kazue
- P181** In Situ Polymerisation of Surfactant-Polyelectrolyte Complexes at the Solid/Solution Interface
FITZGERALD Paul A., KURIHARA Kazue
- P182** Nanostructure and Magnetic Behavior of Polymer-Protected Co-Pt Bimetallic Nanoparticles
DU Xueyan, INOKUCHI Makoto, TOSHIMA Naoki
- P183** Control of Structure and Physical Properties of Hydrogels Prepared under Steady Magnetic Fields
OTSUKA Ichiro, OZEKI Sumio
- P184** Monte Carlo Simulation of Hard-Sphere Crystal under Gravity
MORI Atsushi, YANAGIYA Shin-ichiro, SUZUKI Yoshihisa, SAWADA Tsutomu, ITO Kensaku, INOUE Testuo
- P185** Preparation of Cotton-like Silica
YONGGANG Yang, SUZUKI Masahiro, Kimura Mutsumi, SHIRAI Hirofusa, HANABUSA Kenji
- P186** Interfacial Phenomena of Evolved Bubble during Water Electrolysis under Microgravity
NISHINO Yuuki, FUKUNAKA Yasuhiro
- P187** Observation of ZnS Semiconductor Nanocrystal Growth Process by MALDI-TOFMS
KUZUYA Toshihiro, FUKUNAKA Yasuhiro
- P188** Aqueous Metal Adsorption onto Biological Substrates
BEWSELL Gordon D., HARDING Ian H., MOLPHY Marylou, SKINNER William, CRAWFORD Russell J.