

Poster Presentation

- P01 Electrochemical Determination of Peracetic Acid in Commercial Disinfectant**, Eri Nishikawa, Akio Ichimura, *Department of Chemistry, Graduate School of Science, Osaka City University*
- P02 Diffusion of Neutral and Ionic Species Constituting a Redox Couples in Ionic Liquids**. Hokuto Yokotuji, Akio, Ichimura, *Department of Chemistry, Graduate School of Science, Osaka City University*
- P03 Redox Chemistry of Tris(2-pyridylthio)methylcopper(II) Complex; Diamagnetic-paramagnetic Conversion of Copper(III) Complex through a Structural Change**, Ryoko Santo, Riichi Miyamoto, Rika Tanaka, Takanori Nishioka, Kazunobu Sato, Kazuo Yoyota, Makoto Obata, Shigenobu Yano, Isamu Kinoshita, Takeji Takui, Akio Ichimura, *Departments of Chemistry and Materials Science, Graduate School of Science, Osaka City University*
- P04 Interaction between α -Lactalbumin and Cationic Surfactants**, Ai Nishiyama, Pankaj Sehgal, Hidekazu Doe, and Daniel E Otzen, *Department of Chemistry, Graduate School of Science, Osaka City University*
- P05 Endocrine Disruptors in Micelle Colloid Solutions: Interfacial Tension and Electrochemical Studies**, Syunsuke Iida and Hidekazu Doe, *Department of Chemistry, Graduate School of Science, Osaka City University*
- P06 Characterization of Conformational Changes of Bovine Serum Albumin in the presence of Zwitterionic Surfactant**, Pankaj Sehgal, Hidekazu Doe, Daniel E. Otzen and Reiji Tanaka, *Department of Chemistry, Graduate School of Science, Osaka City University*
- P07 Interaction of N-Lauroylsarcosine and Dodecylsulfate in the Mixed Micelle Colloid Solution**, Osamu Kosaka, Pankaj Sehgal, Hidekazu Doe, *Department of Chemistry, Graduate School of Science, Osaka City University*
- P08 Reactions of Anionic Transition-metal Complexes with Indium Trihalides**, Kenichiro Ookuma, Masumi Itazaki, and Hiroshi Nakazawa, *Department of Chemistry, Graduate School of Science, Osaka City University*
- P09 Dynamic Helicity Inversion of Metallo-peptide Complex Triggered by Achiral NO₃-anion**, Hiroyuki Miyake, Hiroshi Kamon, Hideki Sugimoto, Hiroshi Tsukube, *Department of Chemistry, Graduate School of Science, Osaka City University*
- P10 Immobilization of Rhenium Complexes Showing Anion-Coupled Electron Transfer on an ITO Electrode**, Hiroyuki Tano, Hideki Sugimoto, Hiroyuki Miyake, Akio Ichimura, *Department of Chemistry, Graduate School of Science, Osaka City University*
- P11 Preparation of Oxo-Sulfide W Complexes as the W Cofactor Active Site Models**, Reiko Tajima, Hideki Sugimoto, Hiroyuki Miyake, Hiroshi Tsukube, *Department of Chemistry, Graduate School of Science, Osaka City University*
- P12 Anion-Responsive Luminescent Eu³⁺ Complexes with Chiral Tripodes: Ligand Tuning of Complex Stoichiometry and Anion Sensing Selectivity**, Yumiko Kataoka, Dharam Paul, Satoshi Shinoda, Hiroyuki Miyake, Hiroshi Tsukube, *Department of Chemistry, Graduate School of Science, Osaka City University*
- P13 Supramolecular Chiral Recognition of Amino Acids: Monolayer Composed of Cholesterol-Armed Cyclen-Na⁺ Complex at the Air-Water Interface**, Tsuyoshi Michinobu,(a,c) Satoshi Shinoda,(b) Takashi Nakanishi,(a) Jonathan P. Hill,(a) Kazuko Fujii,(a) Tomoko N. Player,(b) Hiroshi Tsukube,(b)

- Katsuhiko Ariga(a), (a)*National Institute for Materials Science (NIMS)*, (b)*Department of Chemistry, Graduate School of Science, Osaka City University*, (c)*Present address: Tokyo University of Agriculture and Technology*
- P14 Syntheses, Structures, and O₂-Reactivities of Copper(I) Complexes Supported by Pyridylmethylamine Tridentate Ligands, Atsushi Kunishita and Shinobu Itoh, *Department of Chemistry, Graduate School of Science, Osaka City University***
- P15 Catalytic Hydroxylation of Alkanes by Transition Metal Complexes with *m*-CPBA, Takayuki Nagataki, Yoshimitsu Tachi, and Shinobu Itoh, *Department of Chemistry, Graduate School of Science, Osaka City University***
- P16 Synthesis and Structure of Cu(I) and Cu(II) Complexes Supported by Tripodal Tripyridine Ligands with a 1,3,5-Triethylbenzene Spacer, Hiroimi Ohi, Yoshimitsu Tachi, Shinobu Itoh, *Department of Chemistry, Graduate School of Science, Osaka City University***
- P17 Construction of Functionalized Five-membered Carbocycles via [3+2] Cycloaddition reaction with α -Fluorovinylsulfones, Yoshinosuke Usuki, Noriaki Asakura, Tsuyoshi Hayashi, and Hideo Iio, *Department of Materials Science, Graduate School of Science, Osaka City University***
- P18 Reagent-Controlled Switching of 5-Exo to 6-Endo Cyclizations in Epoxide Openings, Takeshi Tanaka, Yoshihiro Nishikawa, Chigusa Ueba, and Yoshiki Morimoto, *Department of Chemistry, Graduate School of Science, Osaka City University***
- P19 Synthesis, Structure Revision, and Absolute Structure of Manzacidin B, Kentaro Oe, Eijiro Ikebe, Kosuke Namba, Masanori Kawasaki, Tetsuro Shinada, and Yasufumi Ohfuné, *Graduate School of Science, Osaka City University***
- P20 Total Synthesis of 5,6,11-Trideoxytetradotoxin, Tetsuro Shinada, Taiki Umezawa, Toshihiro Hayashi, Hiroshi Sakai, Tadashi Kawakami, Hidetoshi Teramoto, Takeshi Yoshikawa, Masashi Izumida, Yoshinori Tamatani, Tadashi Hirose, and Yasufumi Ohfuné, *Graduate School of Science, Osaka City University***
- P21 Palladium-catalyzed Chirality Transferring C-C Bond Forming Reaction of α -Alkenyl- α -acyloxysilane, Takuya Okada, Takeshi Yamada, Kazuhiko Sakaguchi, Yasufumi Ohfuné, *Graduate School of Science, Osaka City University***
- P22 Synthesis and Properties of Dithieno-annelated *o*-Terphenoquinone Derivatives, Hiroyuki Kurata, Naoaki Imai, Kouzou Matsumoto, Takeshi Kawase, *Department of Chemistry, Graduate School of Science, Osaka University***
- P23 Synthesis of Extended π -Electron Systems Based on Tris(2- or 4-pyridyl)methanes, Daisuke Inokuchi, Kouzou Matsumoto, Masaki Kannami, Hiroyuki Kurata, Takeshi Kawase, and Masaji Oda, *Department of Chemistry, Graduate School of Science, Osaka University***
- P24 Synthesis and Optical Properties of Phenyl-(2-pyridyl)-(3-pyridyl)-(4-pyridyl)methane, Takuya Inagaki, Kouzou Matsumoto, Hiroyuki Kurata, Takeshi Kawase, and Masaji Oda, *Department of Chemistry, Graduate School of Science, Osaka University***
- P25 Synthesis and Properties of Dithieno-annelated Bis(spirodienone) Derivatives as Novel Extended π -Conjugated Systems Directed to Molecular Switching, Hiroyuki Kurata, Sang Kim, Kouzou Matsumoto,**

- Takeshi Kawase, *Department of Chemistry, Graduate School of Science, Osaka University*
- P26 Conformation Control of Branched Chains in Dendrimers by Metal Complexations**, Tomoki Kunikawa, Masatoshi Kozaki, Shuichi Suzuki, Keiji Okada, *Department of Chemistry, Graduate School of Science, Osaka City University*
- P27 Synthesis and Photoinduced Electron-transfer of a Snow-flake Type Porphyrin Dendrimer with Fullerene Terminal**, Kogen Akita, Masatoshi Kozaki, Shuichi Suzuki, Keiji Okada, *Department of Chemistry, Graduate School of Science, Osaka City University*
- P28 Synthesis and Properties of Verdazyl-substituted Dihydrophenazine Radical Cation**, Yuki Masuda, Masato Kuratsu, Hirota Takeda, Syuichi Suzuki, Masatoshi Kozaki, Daisuke Shiomi, Kazunobu Sato, Takeji Takui, *Departments of Chemistry and Materials Science, Graduate School of Science, Osaka City University*
- P29 Synthesis and Properties of Trioxytriphenylamine (TOT) Bearing Stable-Radical Moiety**, Masato Kuratsu, Shuichi Suzuki, Masatoshi Kozaki, Daisuke Shiomi, Kazunobu Sato, Takeji Takui, and Keiji Okada, *Departments of Chemistry and Materials Science, Graduate School of Science, Osaka City University*
- P30 Mass, UV-Vis, and ¹H/¹³C NMR Spectra of *tert*-Butyl Phenalenyl π -Dimer in Solution**, Shuichi Suzuki, Yasushi Morita, Kozo Fukui, Kazunobu Sato, Daisuke Shiomi, Takeji Takui, Kazuhiro Nakasuji, *Osaka University, Osaka City University, PREST-JST, Fukui University of Technology*
- P31 One-electron Oxidation State of a Phenalenyl-based Biradicaloid: Preparation and Solid State Properties**, Yuko Goto (1) , Takashi Kubo (1) , Mikio Uruichi (2) , Kyuya Yakushi (2) , Yasushi Morita (1) , Kazuhiro Nakasuji (3), (1) *Graduate School of Science, Osaka University* (2) *Institute for Molecular Science*, (3) *Fukui University of Technology*
- P32 Structure and Characterization of Corannulene with two Phenoxy Radical Moieties**, Akira Ueda, Yasushi Morita, Shinsuke Nishida, Kozo Fukui, Tomoaki Ise, Kazunobu Sato, Daisuke Shiomi, Takeji Takui, Kazuhiro Nakasuji, *Osaka University, Osaka City University, PRESTO-JST, Fukui Institute of Technology*
- P33 Phenalenyl-based Singlet Biradical: Crystal Structure and Solid State Properties Induced by Specific Intermolecular Interaction**, Akihiro Shimizu (1), Takashi Kubo (1), Mikio Uruichi (2), Kyuya Yakushi (2), Masayoshi Nakano (3), Kenji Kamada (4), Daisuke Shiomi (5), Kazunobu Sato (5), Takeji Takui (5), Yasushi Morita (1), and Kazuhiro Nakasuji (6), (1) *Graduate School of Science, Osaka University*, (2) *Institute for Molecular Science*, (3) *Graduate School of Engineering Science, Osaka University*, (4) *AIST*, (5) *Graduate School of Science, Osaka City University*, (6) *Fukui University of Technology*
- P34 Spin Delocalization and Polarization of Bowl-Shaped Stable Neutral Radicals: Synthesis and Characterization of *tert*-Butyl Nitroxide with Corannulene Moiety**, Kanako Ogasawara,¹ Akira Ueda,¹ Kozo Fukui,³ Shinsuke Nishida,² Kazunobu Sato,² Daisuke Shiomi,² Takeji Takui,² Yasushi Morita,^{1,3} Kazuhiro Nakasuji,⁴ *1Graduate School of Science, Osaka University; 2Graduate School of Science, Osaka City University;*

3PRESTO-Japan Science and Technology Agency; 4Fukui University of Technology

- P35 Triple Stranded Helical Structure: Dinucleic Metal Complex Wrapped by Only Imidazole Moiety**, Yumi Yakiyama(1), Tsuyoshi Murata(2), Yasushi Morita(3), Kazuhiro Nakasuji(4),(1) *Graduate School of Science, Osaka University*, (2) *Graduate School of Science, Kyoto University*, (3) *PREST-JST*, (4) *Fukui University of Technology*
- P36 Intact Molecular Ion Formation by Excitation with an Intense 15 fs Laser Pulse**, Michinori Tanaka, Masanao Murakami, Subhasis Panja, Tomoyuki Yatsuhashi, Nobuaki Nakashima, *Graduate School of Science, Osaka City University*
- P37 Ground-State Triplet Biradicals of Nitronyl Nitroxide Containing Thymine and Cytosine Moieties as Supramolecular Synthons for Bio-Inspired Molecule-Based Magnets**, Hiroyuki Tanaka, Tomoaki Ise, Daisuke Shiomi, Kazunobu Sato, Takeji Takui, *Departments of Chemistry and Materials Science, Graduate School of Science, Osaka City University*
- P38 Stable Pyridine-substituted Iminonitroxide Biradicals As Building Blocks for Organic Heteromolecular Complexes**, Kenichi Hayakawa, Tomoaki Ise, Daisuke Shiomi, Kazunobu, Sato, Takeji Takui, *Departments of Chemistry and Materials Science, Graduate School of Science, Osaka City University*
- P39 Structures and magnetic properties of crown ether complexes of nitronyl nitroxide radicals**, Yuki Kanzaki, Daisuke Shiomi, Tomoaki Ise, Takatoshi Sawai, Kazunobu Sato, and Takeji Takui, *Departments of Chemistry and Materials Science, Graduate School of Science, Osaka City University*
- P40 Nucleobase-substituted nitronyl nitroxide radicals as building blocks for generalized ferrimagnetic system**, Kensuke Maekawa, Tomoaki Ise, Daisuke Shiomi, Kazunobu, Sato, Takeji Takui, *Departments of Chemistry and Materials Science, Graduate School of Science, Osaka City*
- P41 Electronic and molecular structures of π -nitronylnitroxide(phenylnitrene) in the high-spin quartet state as studied by CW-ESR and pulsed electron spin transient nutation spectroscopy**, Teruaki Koto (1), Nobuyuki Mori (1), Kazunobu Sato (1), Daisuke Shiomi (1), Kazuo Toyota (1), Paul M. Lahti (2), Takeji Takui (1), (1) *Departments of Chemistry and Materilas Science, Graduate School of Science, Osaka City University*
- P42 Molecular Structure of Metacyclophane-based Nitroxide Tetraradical as a Supramolecular Model with Magnetic Functionality**, Takatoshi Sawai, Tomoaki Ise, Kazunobu Sato, Daisuke Shiomi, Kazuo Toyota, and Takeji Takui, *Departments of Chemistry and Materials Science, Graduate School of Science, Osaka City University*
- P43 Why do the UV/Vis Spectra of Photo Irradiated Oligoazides Show Long Wavelength Absorption Bands?** Kenji Sugisaki, Kazuo Toyota, Kazunobu Sato, Daisuke Shiomi, and Takeji Takui, *Departments of Chemistry and Materials Science, Graduate School of Science, Osaka City University*
- P44 DFT Calculations of the Magnetic Tensors for Cu(II)octaethylporphyrin: Comparison with the Magnetic Tensors Determined by Single-crystal ESR/ENDOR Measurements**, Nobuyuki Mori,¹ Takafumi Okauchi,¹ Kazuo Toyota,¹ Kazunobu Sato,¹ Daisuke Shiomi,¹ Wei-Ching Lin,² David H. Dolphin,² the late Charles A. McDowell,² and Takeji Takui¹, *Departments of Chemistry and Materials Science, Graduate School of Science, Osaka City University*

- P45** **Solution ESR/ENDOR Studies of Diphenyl Nitroxide and Its Derivatives as Models for Molecular-Spin Bus Quantum Computers**, Tomohiro Yoshino, Shinsuke Nishida, Kazunobu Sato, Robabeh Rahimi, Kazuo Toyota, Daisuke Shiomi, Yasushi Morita, Masahiro Kitagawa, Takeji Takui, *Graduate School of Science, Osaka City University; Faculty of Science and Engineering, Kinki University; Graduate School of Science, Osaka University; Graduate School of Engineering Science, Osaka University; CREST, JST*
- P46** **Structures, Syntheses, and Biological Activities of New Modified Furanoremorephilane-type Sesquiterpenes from *Trichilia cuneata***, Matsumi Doe, Yoshinori Hirai, Taku Shibue, Tomonari Akiyama, Hiroyuki Haraguchi, Yoshiki Morimoto, *Department of Chemistry, Graduate School of Science, Osaka City University*