

Flash Presentation (2 min for each presentation)

- F01 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***
- F02 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***
- F03 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***
- F04 Reaction 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***
- F05 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***
- F06 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***
- F07 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***
- F08 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***
- F09 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***
- F10 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***
- F11 Synthesis and Structure of Cu(I) and Cu(II) Complexes Supported by Tripodal Tripyridine Ligands with a 1,3,5-Triethylbenzene Spacer, [Hiromi Ohi](#), Yoshimitsu Tachi, Shinobu Itoh, *Department of Chemistry, Graduate School of Science, Osaka City University***
- F12 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***

- F13** **Synthesis, Structure Revision, and Absolute Structure of Manzacidin B**, [Kentaro Oe](#), Eijiro Ikebe, Kosuke Namba, Masanori Kawasaki, Tetsuro Shinada, and Yasufumi Ohfune, *Graduate School of Science, Osaka City University*
- F14** **Palladium-catalyzed Chirality Transferring C-C Bond Forming Reaction of α -Alkenyl- α -acyloxysilane**, [Takuya Okada](#), Takeshi Yamada, Kazuhiko Sakaguchi, Yasufumi Ohfune, *Graduate School of Science, Osaka City University*
- F15** **Synthesis and Properties of Dithieno-annelated *o*-Terphenoquinone Derivatives**, Hiroyuki Kurata, [Naoki Imai](#), Kouzou Matsumoto, Takeshi Kawase, *Department of Chemistry, Graduate School of Science, Osaka University*
- F16** **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*
- F17** **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*
- F18** **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*
- F19** **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*
- F20** **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*
- F21** **Mass, UV-Vis, and $1\text{H}/13\text{C}$ 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*
- F22** **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*
- F23** **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*
- F24** **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*
- F25 Spin Delocalization and Polarization of Bowl-Shaped Stable Neutral Radicals: Synthesis and Characterization of *tert*-Butyl Nitroxide with Corannulene Moiety**, [Kanakko 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 Nakasuji⁴, ¹*Graduate School of Science, Osaka University*; ²*Graduate School of Science, Osaka City University*; ³*PRESTO-Japan Science and Technology Agency*; ⁴*Fukui University of Technology*
- F26 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*
- F27 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*
- F28 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*
- F29 Electronic and molecular structures of π -nitronyl nitroxide(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*
- F30 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*
- F31 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*
- F32 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*
- F33 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*

F34 Structures, Syntheses, and Biological Activities of New Modified Furanoremoremophilane-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*