

ISSMMM Posters

Abdel Hamid, A.

Molecular Self-association in H-bonded Liquid Mixtures in Bulk and Nanoconfined Geometry

Andrus, Matthew

Influence of Particle Size on the Thermal CTIST of $K_xCo_k[Fe(CN)_6]_l \cdot nH_2O$ Prussian Blue Analogs

Arthur, Jordan

N,7,7-Tricyanoquinomethanimide as a Radical Anion Acceptor in Magnetically Ordered Materials

Beedle, Christopher

Single-Molecule-Magnets: Modulation of Physical Properties and Multifunctionalization through Synthetic Modification

Brinzari, Tatiana

Magneto-elastic Coupling in Molecule-based Materials: $[Ru_2(O_2CMe)_4]_3[Cr(CN)_6]$ and $Mn[N(CN)_2]_2$

Bolag, Altan

Development of Novel Semiconductors for Dye-Sensitized Solar Cell Based on 2,6-Diphenyl-4H-pyran Derivatives

Choji, Takeshi

Dirac Particle in Organic Conductor α -(BEDT-TTF) $_2$ NH $_4$ Hg(SCN) $_4$ Salt

Cosquer, Goulven

Ferromagnetic vs. Antiferromagnetic Exchange Interactions in Unprecedented Tetrathiafulvalene-based $3d4f$ Heterobimetallic Complexes

Furukawa, Tetsuya

Magnetic and Transport Properties of κ -ET $_2$ X near Mott Transition

Green, Elizabeth

High Field Proton NMR Studies of Single Crystal $Per_2Pt[nmt]_2$

Heguri, Satoshi

Effect of Molecule inside Cage in Fullerene Superconductor

Hirata, Michihiro

^{13}C NMR Investigation on the Massless-Dirac-Fermion System in the Bulk Organic Conductor α -(BEDT-TTF) $_2I_3$ under Hydrostatic Pressures

Ishikawa, Tadahiko

The Photoinduced Phase Transition in the Charge Separated Phase of the Pd(dmit)₂ Salts

Ito, Yoshikazu

Magnetic Sponge Prepared with an Alkanedithiol-bridged Network of Co-Pd Alloy Nanoparticles

Kadoya, Tomofumi

Organic Transistors Using Charge-transfer Complex Microparticles as Electrode Materials

Kaszub, Wawrzyniec

Structure and Optical Fingerprints of Spin-crossover Multiscale Dynamics in a Single Crystal of [(TPA)Fe(III)(TCC)]PF₆

Kawamoto, Tadashi

Novel Crystal Structure of the Organic Superconductor with T_c of 10 K Class: (BEDT-TTF)₂Ag(CF₃)₄(TCE)

Kodama, Kota

Magnetic Field Effect on Charge Transport in π -d System (EDT-TTFVO)₂FeBr₄

Kojima, Hirotaka

Theoretical Study on Angular Dependence of Organic Semiconductors with Herringbone Structures

Kudo, Yasuhiko

Electron Transport Properties of Anti-dot Graphene

Kumagai, Shohei

Dielectric Properties of Quasi-One-Dimensional Bromide-Bridged Pd Complexes

Kusamoto, Tetsuro

Development of Ni(dmit)₂ Anion Radical Salts Structurally Controlled by Halogen Bonding

Lee, Sangchul

Development of the Novel Proton-Electron Related Organic Conductor

Li, Goucan

Ru Complexes of 3-Thiophene-Dipyrrin: Potential Solar Cell Sensitizers and Photoconductors

Li, Sa

Crystallographic Structure, Electronic Structure and Magnetic Properties of Cu(py_z)F₂(H₂O)₂

Liu, Junjie

High-field EPR Study of a ReCl₄(CN)₂ Molecular Magnet Building Block

Maesato, Mitsuhiko

A Layered Fullerene Conductor

Mariette, Celine

One Dimensional Confinement in Aperiodic Materials

Matsubara, Yoshitaka

Photoinduced Phenomena in $[(\text{EDO-TTF})_{1-x}(\text{MeEDO-TTF})_x]_2\text{PF}_6$ Studied by Time-resolved Vibrational Spectroscopy

Mitoma, Nobuhiko

Metal-contact Effect on Short Channel Graphene Field-effect Transistors

Morien, Chelsey

EPR Studies of $\text{CuF}_2(\text{pyz})(\text{H}_2\text{O})_2$ Under Pressure

Morita, Takaumi

The Control of Charge Transfer in the $[\text{Ru}_2]^{2-}$ TCNQ System: Isolation of Fully Charge-Transferred Complexes with BTDA-TCNQ²⁻

Muraoka, Azusa

2-D Model Mont-Carlo Simulation with Specific Edge Effects for Spin Crossover Nanoparticles

Murphy, Jason

London Penetration Depth of λ -(BETS)₂GaCl₄ Superconductor

Nagoe, Atsushi

Glass-transition Behavior of the Dilute Aqueous Solutions Confined within Nano-pores: Effect of the Development of Hydrogen-bond Network

Nishihara, Taishi

Nonequilibrium Fluctuation of Photo-induced Phase under Steady Light Irradiation in the Spin Crossover Complex

Nishioka, Keita

Theory of Photoinduced Melting of Charge Separated Phase in $\text{Et}_2\text{Me}_2\text{Sb}[\text{Pd}(\text{dmit})_2]_2$

Ohshima, Yuki

Direct Observation of Carrier Behavior in Ambipolar Polymer Light-emitting Transistor Using Second Harmonic Generation

Oike, Hiroshi

Contactless Conductivity Measurement on the Doped Triangular Lattice, κ -(ET)₄Hg_{3- δ} X₈ (X = Br, Cl) under Pressure

Oku, Shinya

Air-stable Characteristics of Flexible Complementary Inverter Consisted of Distyrylbenzene Derivatives

Onishi, Yoshito

Domain Growth Dynamics under Infrared Irradiation in the Spin-crossover Complex $[\text{Fe}(\text{ptz})_6](\text{BF}_4)_2$

Pandey, Shyam

Dye Sensitized Thin Film Organic Solar Cells: An Approach toward Enhancing the Photon Harvesting

Phan, Hoa

Designing Fe(II) Spin-Crossover Complexes for Surface Functionalization

Quintero, Carlos

Fluorescent Spin Crossover System for Micro-thermometry Applications

Shurdha, Endrit

Molecule-based Magnets Synthesized from Metal Thiocyanate Complexes

Skanthakumar, Suntharalingam

The Influence of Lattice Dimensionality on Magnetic Ordering in $\text{Nb}(\text{V})\text{O}_2^+$ Oxides with Strongly Axial Symmetry

Southerland, Heather

Increasing the Barrier Height of Single Molecule Magnets by Incorporating Highly Anisotropic Metal Ions into Cyanide Bridged Metal Clusters

Steven, Eden

Physical Characterization of Functionalized Spider Silk for Electronic Sensing Applications

Suda, Masayuki

Strain-induced Insulator/Superconductor Transition in Thin Single Crystals of κ -(BEDT-TTF) $_2$ X Salts

Taguchi, Dai

Generation of Photovoltaic Effect Probed by Optical Electric-field-induced Second-harmonic Generation

Takagi, Rina

^1H -NMR Study of Single-component Molecular Conductors $[\text{M}(\text{tmdt})_2]$ ($\text{M} = \text{Au}, \text{Cu}$)

Takehara, Ryosuke

Transport Properties of the Neutral-ionic Transition Material, TTF-CA, under High Pressure

Takahashi, Yuuta

Effect of End Group Position on Conductance of Single Distributed Benzene Molecule Bridging between Au Electrodes

Tanaka, Yasuhiro

Theory of Nonlinear Conduction in Charge-Ordered Electron Systems on a Triangular Lattice

Tanimoto, Mizuka

Preparation of Hexagonal Boron Nitride/Polyimide Hybrid Films Exhibiting High Thermal Conductivity

Terletska, Hanna

Quantum Critical Transport near the Mott Metal-insulator Transition

Tominaga, Kazuo

New Design of Polypyrrole for Conducting Polymer Actuator

Tsuchiya, Satoshi

Fluctuating Superconductivity under In-plane Magnetic Field in Two-dimensional Organic Superconductors

Tsujimoto, Keijiro

Development of Photo-induced Conductors using TTF Derivatives using TTF-derivatives Substituted by a BODIPY Framework

Ueda, Kouhei

Proton Tunneling Effect in Low-temperature Proton-transfer in Four-oxygen Hydrogen-bond Ring

Wang, Cuihuan

Neutron Diffraction Study of the Magnetic Structure in Magnetic Coordination Polymer $\text{CuF}_2(\text{H}_2\text{O})_2(\text{pyz})$ (pyz = pyrazine)

Wang, Jingfang

Cyano-bridged Coordination Polymers Incorporating Linear Tricobalt Chain

Watanabe, Hiroshi

Spin-structure Coupling in the Relaxation Process of the Photo-induced Phase in Spin Crossover Complex

Yokota, Kazumichi

Charge Transfer to Graphene from Substrate Functionalized by Self-assembled Monolayers

Yomogida, Yohei

Ambipolar Electric Double Layer Transistors Using Organic Single Crystals

Yoshida, Hiroki

Phenazine-bridged Chains of Paddlewheel Diruthenium(II,II) Complexes

Yoshida, Tatsushi

Photoinduced Neutral-to-Ionic Transition of TTF-CA as Investigated by Picosecond Photon Spectroscopy

Zhang, Zhongyue

First Example of Main-group Binary Conducting MOFs and Their Structure-property Correlations: Tl(TCNQ) and Tl(TCNQX₂) (X = Cl, Br, I)

Zheng, Li-Min

Size-dependent Coercivity in a Layered Cobalt Phosphonate with Ferrimagnetism