

構造熱科学研究センター業績リスト(2017)
Publications from
the Research Center for Structural Thermodynamics

[Articles are classified according to original paper (mark O), review article (R), book (B), translation (T), and miscellaneous (M). An asterisk attached to mark-letter indicates that the article has been published in Japanese.]

- O-1 Elongation of Magnetic Relaxation Times in a Single-Molecule Magnet Through Intermetallic Interactions: A Clamshell-Type Dinuclear Terbium(III)-phthalocyaninato Quadruple-Decker Complex
Y. Horii, K. Katoh, B. K. Breedlove, and M. Yamashita
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- O-2 Slow Magnetic Relaxation in a Mononuclear Ruthenium(III) Complex
S.-Q. Wu, Y. Miyazaki, M. Nakano, S.-Q. Su, Z.-S. Yao, H.-Z. Kou, and O. Sato
Chem. Eur. J. **23**(42), 10028–10033 (2017).
- O-3 Freezing-Point Depression of Benzene Confined in Mesoporous Silica SBA-15 on Doping with a Slight Amount of Toluene: Ideal Behavior in a Nanometer-Sized Space
Y. Ito, T. Miyaoka, N. Tomita, T. Yoshimi, T. Sugimoto, T. Takemura, A. Nagoe, and H. Fujimori
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- O-4 Tuning of Open-Shell Characters of a Terphenoquinone by Introducing a Benzodithiophene Unit
H. Tomita, D. Sakamaki, M. Noguchi, M. Nakano, and S. Seki
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- O-5 The Synthesis of Three New Cu₅, Cu₈ and Cu₁₂ Clusters *via* the Use of a Semi-Flexible Aminotriazine-Based Bis-methylpyridine Ligand
C.-H. Chiang, Y.-W. Tzeng, C.-I. Yang, M. Nakano, W.-L. Wan, L.-L. Lai, and G.-H. Lee
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- O-6 Synthesis and Characterization of Dibenzo[*a,f*]pentalene: Harmonization of the Antiaromatic and Singlet Biradical Character
A. Konishi, Y. Okada, M. Nakano, K. Sugisaki, K. Sato, T. Takui, and M. Yasuda
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- O-7 Isotopic Localization of the Partially Deuterated Methyl Group in Solid Methanol and Methyl Iodide
H. Suzuki and A. Inaba
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- O-8 New Semiconducting Radical-Cation Salts of Chiral Bis(2'-hydroxylpropylthio)ethylenedithio TTF
J. R. Lopez, L. Martin, J. D. Wallis, H. Akutsu, J. Yamada, S. Nakatsuji, C. Wilson, J. Christensend, and S. J. Coles
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- O-9 Pressure Effect Studies on the High Spin $\rightleftharpoons$ Low Spin Transition Behavior Observed in [Fe(II)(bpp)₂](NCS)₂·2H₂O
A. Bhattacharjee, M. Sugimoto, Y. Nakazawa, and H. A. Goodwin
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- O-10 Enantiopure and Racemic Radical-Cation Salts of Bis(2'-hydroxylpropylthio)(ethylenedithio)TTF with Polyiodide Anions
L. Martin, J. D. Wallis, M. Guziak, P. Maksymiw, F. Konalian-Kempf, A. Christian, S. Nakatsuji, J. Yamada, and H. Akutsu
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- O-11 Molecular Conductors from Bis(ethylenedithio)tetrathiafulvalene with Tris(oxalato)rhodate
L. Martin, A. L. Morritt, J. R. Lopez, Y. Nakazawa, H. Akutsu, S. Imajo, Y. Ihara, B. Zhang, Y. Zhang, and Y. Guo
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- O-12 Ambient-Pressure Molecular Superconductor with a Superlattice Containing Layers of Tris(oxalato)rhodate Enantiomers and 18-Crown-6
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- O-13 Increase in the Magnetic Ordering Temperature (T_c) as a Function of the Applied Pressure for $A_2Mn[Mn(CN)_6]$ ($A = K, Rb, Cs$) Prussian Blue Analogues
M. Sugimoto, S. Yamashita, H. Akutsu, Y. Nakazawa, J. G. DaSilva, C. M. Kareis, and J. S. Miller
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- O-14 Bulk Kosterlitz-Thouless Type Molecular Superconductor β'' -(BEDT-TTF) $_2[(H_2O)(NH_4)_2Cr(C_2O_4)_3] \cdot 18$ -crown-6
L. Martin, J. Lopez, H. Akutsu, Y. Nakazawa, and S. Imajo
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- O-15 Anisotropic Field Dependence of the Superconducting Transition in the Magnetic Molecular Superconductor κ -(BETS) $_2FeBr_4$
S. Fukuoka, S. Yamashita, Y. Nakazawa, T. Yamamoto, and H. Fujiwara
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- O-16 Unusual Magnetic State with Dual Magnetic Excitations in the Single Crystal of $S = 1/2$ Kagome Lattice Antiferromagnet $CaCu_3(OH)_6Cl_2 \cdot 0.6H_2O$
H. Yoshida, N. Noguchi, Y. Matsushita, Y. Ishii, Y. Ihara, M. Oda, H. Okabe, S. Yamashita, Y. Nakazawa, A. Takata, T. Kida, Y. Narumi, and M. Hagiwara
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- O-18 Thermal Expansion of Organic Superconductor κ -(D $_4$ -BEDT-TTF) $_2Cu\{N(CN)_2\}Br$. Isotopic Effect
A. V. Dolbin, M. V. Khlistuck, V. B. Eselson, V. G. Gavrilko, N. A. Vinnikov, R. M. Basnukaeva, V. A. Konstantinov, and Y. Nakazawa,
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- O-19 New Dmit-Based Organic Magnetic Conductors (PO-CONH-C $_2$ H $_4$ N(CH $_3$) $_3$)[M (dmit) $_2$] $_2$ ($M = Ni, Pd$) Including an Organic Cation Derived from a 2,2,5,5-Tetramethyl-3-pyrrolin-1-oxyl (PO) Radical
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- O-20 Fermi Surface in the Absence of a Fermi Liquid in the Kondo Insulator SmB_6
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- O-21 Thermodynamics of the Quantum Spin Liquid State of the Single-Component Dimer Mott System $\kappa\text{-H}_3(\text{Cat-EDT-TTF})_2$
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- O-22 Anion Polarity-Induced Self-Doping in a Purely Organic Paramagnetic Conductor, $\alpha'\text{-}\alpha'$ -(BEDT-TTF) $_2$ (PO-CONH-*m*-C $_6$ H $_4$ SO $_3$) $\cdot$ H $_2$ O where BEDT-TTF is Bis(ethylenedithio)tetrathiafulvalene and PO is the Radical 2,2,5,5-Tetramethyl-3-pyrrolin-1-oxyl
H. Akutsu, K. Ishihara, S. Ito, F. Nishiyama, J. Yamada, S. Nakatsuji, S. S. Turner, and Y. Nakazawa
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- O-23 Charge and Lattice Fluctuations in Molecule-Based Spin Liquids
T. Yamamoto, T. Fujimoto, T. Naito, Y. Nakazawa, M. Tamura, K. Yakushi, Y. Ikemoto, T. Moriwaki, and R. Kato,
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- O-24 AC Calorimetry System Using Commercially Available Microchip Device and its Application for Tiny Single Crystals of Molecule-Based Compounds
M. Murase, S. Yamashita, R. Yoshimoto, S. Imajo, Y. Nakazawa, K. Ueda, and R. Kato
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- O-25 Effects of Carboxylation of the Side Chains on the Order-Disorder Transition in Aqueous Solution of Schizophyllan, a Triple Helical Polysaccharide
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- O-26 Growth Kinetics of Polyelectrolyte Complexes Formed from Oppositely-Charged Homopolymers Studied by Time-Resolved Ultra-Small-Angle X-Ray Scattering
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- O-27 Complexation of a Globular Protein β -Lactoglobulin with an Anionic Surfactant in Aqueous Solution
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- O-28 Chain Dimensions and Stiffness of Cellulosic and Amylosic Chains in an Ionic Liquid: Cellulose, Amylose, and an Amylose Carbamate in BmimCl
X.-Y. Jiang, S. Kitamura, T. Sato, and K. Terao
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- O-29 Competition between the Micellization and the Liquid–Liquid Phase Separation in Amphiphilic Block Copolymer Solutions
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- O-30 Small-Angle X-ray Scattering from the Concentrated Bulk Phase Separated from an Amphiphilic Block-Copolymer Solution
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- B-1 Zero-Shear Viscosities of Polysaccharide Solutions
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- M-1* 世界的にもユニークな理学研究科附属の化学熱力学研究センター
徂徠道夫
大阪大学理学友倶楽部「理学部を語る」, 大阪大学大学院理学研究科・理学部 HP
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- M-3* 第 53 回熱測定ワークショップ「ナノ粒子, ナノ構造体の熱測定」開催報告
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