

構造熱科学研究センター業績リスト (2014)
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 Gradual Crossover in Molecular Organization of Stable Liquid H₂O at Moderately High Pressure and Temperature
Y. Koga, P. Westh, K. Yoshida, A. Inaba, and Y. Nakazawa
AIP Adv. **4**(9), 097116 (2014) (11 pages).
- O-2 Ferromagnetic Interaction and Slow Magnetic Relaxation in a Co₃ Cluster-Based Three-Dimensional Framework
B.-Y. Wu, C.-I. Yang, M. Nakano, and G.-H. Lee
Dalton Trans. **43**(1), 47–50 (2014).
- O-3 A Semi-Flexible Aminotriazine-Based Bis-methylpyridine Ligand for the Design of Nickel(II) Spin Clusters
Y.-W. Tzeng, C.-J. Lin, M. Nakano, C.-I. Yang, W.-L. Wan, and L.-L. Lai
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- O-4 Multifunctional One-Dimensional Rhodium(I)-Semiquinonato Complex: Substituent Effects on Crystal Structures and Solid-State Properties
M. Mitsumi, S. Ohtake, Y. Kakuno, Y. Komatsu, Y. Ozawa, K. Toriumi, N. Yasuda, N. Azuma, and Y. Miyazaki
Inorg. Chem. **53**(21), 11710–11720 (2014).
- O-5 Measurement of Extreme Hyperfine Fields in Two-Coordinate High-Spin Fe²⁺ Complexes by Mössbauer Spectroscopy: Essentially Free-Ion Magnetism in the Solid State
A. M. Bryan, C.-Y. Lin, M. Sorai, Y. Miyazaki, H. M. Hoyt, A. Hablutzel, A. LaPointe, W. M. Reiff, P. P. Power, and C. E. Schulz
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- O-6 Bistable Multifunctionality and Switchable Strong Ferromagnetic-to-Antiferromagnetic Coupling in a One-Dimensional Rhodium(I)-Semiquinonato Complex
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- O-7 A Comprehensive Study on Crystal Structure, Thermal Behavior, and Molecular Dynamics of [Sr(DMSO)₄(NO₃)₂]
N. Górska, E. Szostak, K. Druzicki, E. Mikuli, A. Inaba, and Y. Hirao
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- O-8 Magnetocaloric Effect in {[Fe(pyrazole)₄]₂[Nb(CN)₈]·4H₂O}_n Molecular Magnet
R. Pełka, P. Konieczny, P. M. Zieliński, T. Wasiutyński, Y. Miyazaki, A. Inaba, D. Pinkowicz, and B. Sieklucka
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- O-9 Heat Capacity of Paramagnetic Nickelocene: Comparison with Diamagnetic Ferrocene
M. Sorai, Y. Kaneko, and T. Hashiguchi
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- O-10 Pressure Dependence of the Liquid–Liquid Phase Transition of Nanopore Water Doped Slightly with Hydroxylamine, and a Phase Behavior Predicted for Pure Water
A. Nagoe, S. Iwaki, M. Oguni, and K. Tôzaki
J. Phys. Soc. Jpn. **83**(9), 094601 (2014) (7 Pages).
- O-11 Anomalies in the Third Derivatives of Gibbs Energy and Their Temperature Dependence in Aqueous 2-Butoxyethanol and Glycerol: On the so Called Koga Lines
K. Yoshida, A. Inaba, and Y. Koga
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- O-12 Two-Dimensional Solid-State Topochemical Reactions of 10,12-Pentacosadiyn-1-ol Adsorbed on Graphite
D. Takajo, A. Inaba, and K. Sudoh
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- O-13 Molecular Motor-Driven Abrupt Anisotropic Shape Change in a Single Crystal of a Ni Complex
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- O-14 Temperature-Independent Energy Expenditure in Early Development of the African Clawed Frog *Xenopus laevis*
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- O-15 Proton Dynamics of Two-Dimensional Oxalate-Bridged Coordination Polymers
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- O-16 Two Polymorphic Forms of 10,12-Pentacosadiyn-1-ol Molecular Layers on Graphite Transferred from an Aqueous Surface
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- O-17 Photo-Responsive Naphthalenediimide Derivative Carrying a Nitroxide and an Azobenzene Group
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- O-18 Stereoisomeric Semiconducting Radical Cation Salts of Chiral Bis(2-hydroxypropylthio)ethylenedithioTTF with Tetrafluoroborate Anions
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- O-19 Thermodynamic Investigation by Heat Capacity Measurements of Ferrimagnetic $A_2Mn[Mn(CN)_6]$ ($A = K, Rb, Cs$) Prussian Blue Compounds
Y. Kawamoto, S. Yamashita, R. Yoshimoto, Y. Nakazawa, J. G. DaSilva, C. M. Kareis, and J. S. Miller
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- O-20 Magnetic Torque Studies of π - d System κ -(BDH-TTP) $_2$ FeX $_4$ ($X = Br, Cl$)
K. Sugii, K. Takai, S. Tsuchiya, S. Uji, T. Terashima, H. Akutsu, A. Wada, S. Ichikawa, J. Yamada, and T. Enoki
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- O-21 Property of the Valence-Bond Ordering in Molecular Superconductor with a Quasi-Triangular Lattice
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- O-22 A Series of Two Oxidation Reactions of *ortho*-Alkenylbenzamide with Hypervalent Iodine(III): A Concise Entry into (3*R*,4*R*)-4-Hydroxymellein and (3*R*,4*R*)-4-Hydroxy-6-methoxymellein
T. Takesue, M. Fujita, T. Sugimura, and H. Akutsu
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- O-23 Coupling of Charge and Lattice Degrees of Freedoms in θ -Type BEDT-TTF Compound Probed by Low-Temperature Heat Capacity Measurements
R. Yoshimoto, Y. Takane, K. Hino, S. Yamashita, and Y. Nakazawa
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- O-24 Crystal Structure of $PPh_4[Fe(NO)_2Cl_2]$
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- O-25* フマルアミド/*N*-イソプロピルアクリルアミド共重合体の水溶液の相挙動
石井直子, 松元亜紀子, 橋爪章仁, 佐藤尚弘
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- O-26 Light Scattering from Hydrophobe-Uptake Spherical Micelles near the Critical Micelle Concentration
K. Morishima and T. Sato
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- O-27 Self-Association of the Thermosensitive Block Copolymer Poly(2-isopropyl-2-oxazoline)-*b*-poly(*N*-isopropylacrylamide) in Water–Methanol Mixtures
R. Takahashi, X.-P. Qiu, N. Xue, T. Sato, K. Terao, and F. M. Winnik
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- O-28 Aggregation Behavior of Polystyrene-Based Amphiphilic Diblock Copolymers in Organic Media
T. Arai, M. Masaoka, T. Michitaka, Y. Watanabe, A. Hashidzume, and T. Sato
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- O-29 Aggregation and Phase Separation of Hydrophilically Modified Poly(dimethylsiloxane) in Methanol–Water Mixtures
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- R-1 Phase Transitions Due to Charge Transfer in Mixed-Valence Assembled Metal Complexes, $A[\text{Fe}^{\text{II}}\text{Fe}^{\text{III}}(\text{dto})_3]$ ($A = (n\text{-C}_n\text{H}_{2n+1})_4\text{N}$, Spiropyran; $\text{dto} = \text{C}_2\text{O}_2\text{S}_2$)
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- R-2 Calorimetric Studies of Octacyanometalate-Based Coordination Polymers Displaying Long-Range Magnetic Order
R. Pelka
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- R-3 Low-Temperature Thermal Properties of Channel Water Confined in Nanopores with Hydrophilic Crystalline and Silica Non-Crystalline Walls
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- R-4 Calorimetry of Low-Dimensional Metal-Assembled Complexes
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- R-5* 分子集合体の多彩さに魅せられて — 幻の秩序氷を求めて
菅 宏
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- R-6* 単一分子磁石の磁化反転緩和と熱測定
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- R-7 Thermal Properties and Transition Behavior of Host-Guest Compounds under High Pressure
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- R-8 Investigations on Electronic States of Molecule-Based Compounds by High-Pressure AC Calorimetry
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- B-1* 平和研究入門 人間性の起源と暴力の克服
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- B-2* 光散乱法の基礎と応用
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- T-1* アトキンス 生命科学のための物理化学（第 2 版）（P. W. Atkins and J. de Paula
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- M-1 Editorial – Calorimetry of Functional Inorganic Materials: Part I
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- M-2 Editorial – Calorimetry of Functional Inorganic Materials: Part II
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- M-5 Obituary
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- M-6 Obituary – Professor Syuzo Seki (1915–2013), Emeritus Professor, Osaka University
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- M-7* 関 集三 先生のご逝去を悼んで
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- M-8* 関研究室の思い出
松尾隆祐
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- M-9* 関 集三先生を偲ぶ会
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- M-10* Westrum 教授のご逝去を悼んで
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M-11* 徂徠道夫先生 日本液晶学会功績賞受賞
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M-12* 追悼：関 集三先生を悼む
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M-14* 続・高分子の分子量
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