

化学熱学実験施設業績リスト (1986)

(Publications from the Chemical Thermodynamics Laboratory)

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- O-1 Heat Capacity and Phase Transitions of the Mixed-valence Compound
 $[\text{Fe}_3\text{O}(\text{O}_2\text{CCH}_3)_6(\text{py})_3](\text{py})$
M. Sorai, K. Kaji, D. N. Hendrickson and S. M. Oh, *J. Am. Chem. Soc.* **108**, 702-708(1986).
- O-2 Mechanism of Phase Transitions Affecting Intramolecular Electron Transfer in Trinuclear Mixed-valence Transition-metal Compounds
T. Kambara, D. N. Hendrickson, M. Sorai and S. M. Oh, *J. Chem. Phys.* **85**, 2895-2909(1986).
- O-3 Phase Transition and Glass Transition in Rubidium Cyanide
T. Shimada, T. Matsuo, H. Suga and F. Luty, *J. Chem. Phys.* **85**, 3530-3536 (1986).
- O-4 Thermodynamic Studies of *p*-Polyphenyl: Heat Capacity of 4,4'-Difluorobiphenyl
K. Saito, T. Atake and H. Chihara, *J. Chem. Thermodyn.* **18**, 407-414(1986).
- O-5 Calorimetric and Dilatometric Studies on the Phase Transitions of Crystalline $\text{CH}_3\text{NH}_3\text{I}$
O. Yamamuro, M. Oguni, T. Matsuo and H. Suga, *J. Chem. Thermodyn.* **18**, 939-954(1986).
- O-6 Calorimetric Study of a Phase Transition in D_2O Doped with KOD: Ice XI
T. Matsuo, Y. Tajima and H. Suga, *J. Phys. Chem. Solids* **47**, 165-173(1986).
- O-7 Calorimetric and IR Spectroscopic Study of Phase Transitions in Methylammonium Hexabromotellurate and Methylammonium Hexaiodotellurate
N. Onoda, T. Matsuo and H. Suga, *J. Phys. Chem. Solids* **47**, 211-223(1986).
- O-8 Ordered Structure in Aqueous Polysaccharide. 5. Cooperative Order-disorder Transition in Aqueous Schizophyllan
T. Itou, A. Teramoto, T. Matsuo and H. Suga, *Macromolecules* **19**, 1234-1240 (1986).
- O-9 Heat Capacity of the Discotic Mesogen. 2,3,6,7,10,11-Hexa-*n*-octanoyloxytriphenylene: A Complex Solid State Polymorphism
G. R. Van Hecke, K. Kaji and M. Sorai, *Mol. Cryst. Liq. Cryst.* **136**, 197-220(1986)
- O-10 Phase Transitions in Ammonium Hexafluorometallates (III)
A. Tressaud, S. Khairoun, L. Rabardel, K. Kobayashi, T. Matsuo and H. Suga, *Phys. Stat. Sol.* **96a**, 407-414(1986).
- O-11 Slow Enthalpy Relaxation in $(\text{KCN})_{0.7}(\text{KBr})_{0.3}$ Studied by Adiabatic Calorimetry
T. Matsuo, I. Kishimoto, H. Suga and F. Luty, *Solid State Commun.* **58**, 177-179 (1986).

- O-12 *P-T* Phase Relations of Methylammonium Halides
O. Yamamuro, M. Oguni, T. Matsuo and H. Suga, *Thermochim. Acta* 98, 327-338 (1986).
- O-13 High-pressure DTA Apparatus with Liquid or Gaseous Pressure Medium
O. Yamamuro, M. Oguni, T. Matsuo and H. Suga, *Thermochim. Acta* 99, 67-77 (1986).
- O-14 Calorimetric Studies on Phase Transitions Arising from Orientational Order-disorder of the Molecular Axes of Ferrocene and Its Derivatives
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- O-15 Thermodynamic Studies of *p*-Polyphenyls: Heat Capacity of *p,p'*-Biphenyl
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- O-16 Phase Transition in Hydrazinium Hydrogen Oxalate. A Calorimetric Study of the Short Hydrogen Bond System
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- R*-1 氷に幻の相転移を求めて：残余エントロピーはかく取り除かれた。
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- R*-3 反応熱測定 of 進歩 (1975-1985).
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- R-7 Thermodynamic Aspects of Glassy Crystals-Approaching the Equilibrium Glass.
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- M*-1 より自然に近い描像を求めて。
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- M^{*} - 2 学士院会員となられた関先生.
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 [Professor Syūzō Seki Elected as a Member of Japan Academy. H. Suga, *Kagaku to Kogyo* (*Chem. Chem. Ind.*)39,59(1986).]
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 徂徠道夫, 化学と工業, 39, 865-866(1986).
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