

【原著論文】

1995 -1987

- 1) "New Organic Conductors Based on AzaTCNQ",
H. Urayama, G. Saito, T. Inabe, T. Mori, and Y. Maruyama, *Synthetic Metals*, 19, 469(1987).
- 2) "Crystal Structure and Electrical Properties of (BEDT-TTF)₃Br₂(H₂O)₂",
H. Urayama, G. Saito, A. Kawamoto, and J. Tanaka, *Chem. Lett.*, 1987, 1753.
- 3) "Synthesis and Properties of Tetrakis(alkylseleno)tetrathiafulvalene"
H. Yamochi, N. Iwasawa, **H. Urayama**, and G. Saito, *Chem. Lett.*, 1987, 2265.
- 4) "A New Ambient Pressure Organic Superconductor Based on BEDT-TTF with T_c Higher than 10 K ($T_c = 10.4$ K)",
H. Urayama, H. Yamochi, G. Saito, K. Nozawa, T. Sugano, M. Kinoshita, S. Sato, K. Oshima, A. Kawamoto, and J. Tanaka, *Chem. Lett.*, 17, 1988, 55-58.
- 5) "Crystal Structures of Organic Superconductor, (BEDT-TTF)₂Cu(NCS)₂ at 298 K and 104 K",
H. Urayama, H. Yamochi, G. Saito, S. Sato, A. Kawamoto, J. Tanaka, T. Mori, Y. Maruyama, and H. Inokuchi, *Chem. Lett.*, 1988, 17, 463-466.
- 6) "Peculiar Critical Field Behaviour in the Recently Discovered Ambient Pressure Organic Superconductor (BEDT-TTF)₂Cu(NCS)₂ ($T_c = 10.4$ K)",
K. Oshima, **H. Urayama**, H. Yamochi, and G. Saito, *J. Phys. Soc. Jpn.*, 57, 730(1988).
- 7) "Meissner Effect in an Organic Superconductor (BEDT-TTF)₂[Cu(NCS)₂]",
K. Nozawa, T. Sugano, **H. Urayama**, H. Yamochi, G. Saito, and M. Kinoshita, *Chem. Lett.*, 1988, 617.
- 8) "In-plane Quasi-isotropic Organic Superconductor Di[bis(ethylenedithiolo)tetrathiafulvalene]-bis(isothiocyanato)-cuprate(I), (BEDT-TTF)₂[Cu(NCS)₂]: Polarized Reflectance Spectra",
T. Sugano, H. Hayashi, H. Takenouchi, K. Nishikida, **H. Urayama**, H. Yamochi, G. Saito, and M. Kinoshita, *Phys. Rev.* B37, 9100(1988).
- 9) "Cooperative Phenomena Associated with Electron and Proton Transfer in Quinhydrone Charge-Transfer Crystal",
T. Mitani G. Saito, and **H. Urayama**, *Phys. Rev. Lett.*, 60, 2299(1988).
- 10) "Valence State of Copper Atoms and Transport Property of an Organic Superconductor, (BEDT-TTF)₂Cu(NCS)₂, Measured by ESCA, ESR, and Thermoelectric Power",
H. Urayama, H. Yamochi, G. Saito, T. Sugano, M. Kinoshita, T. Inabe, T. Mori, Y. Maruyama, and H. Inokuchi, *Chem. Lett.*, 1988, 1057.
- 11) "A New Ambient Pressure Organic Superconductor (BEDT-TTF)₂Cu(NCS)₂ with T_c above 10 K",
K. Oshima, **H. Urayama**, H. Yamochi, and G. Saito, *Physica C*, 154, 1148(1988).
- 12) "Crystal Structures and Electronic Properties of Organic Conductors Based on AzaTCNQ",

- H. Urayama**, T. Inabe, T. Mori, Y. Maruyama, and G. Saito, Bull. Chem. Soc. Jpn., 61, 1831(1988).
- 13) "Anomalous NMR Relaxation in Organic Superconductor",
T. Takahashi, T. Tokiwa, K. Kanoda, **H. Urayama**, H. Yamochi, and G. Saito, Physica C, 153, 487(1988).
- 14) "Shubnikov-de Haas Effect and the Fermi Surface in an Ambient Pressure Organic Superconductor [bis(ethylenedithio)tetrathiafulvalene]₂Cu(NCS)₂",
K. Oshima, T. Mori, H. Inokuchi, **H. Urayama**, H. Yamochi, and G. Saito, Phys. Rev. B38, 938-941(1988).
- 15) "Bulk Superconductivity in (BEDT-TTF)₂[Cu(NCS)₂]",
T. Sugano, K. Terui, S. Mino, K. Nozawa, **H. Urayama**, H. Yamochi, G. Saito, and M. Kinoshita, Chem. Lett., 1988, 1171.
- 16) "Tunneling Spectroscopic Study on the Superconducting Gap of (BEDT-TTF)₂Cu(NCS)₂ Crystals",
Y. Maruyama, T. Inabe, **H. Urayama**, H. Yamochi, and G. Saito, Solid State Commun., 67, 35(1988).
- 17) "Crystal Structure and Physical Property of (BEDT-TTF)₂(IBr₂)₂(1,1,2-trichloroethane)_{0.5}",
H. Yamochi, **H. Urayama**, G. Saito, K. Oshima, A. Kawamoto, and J. Tanaka, Chem. Lett., 1988, 1211.
- 18) "Crystal Structures and Electrical Property of TSeCn-TTF (n=2 and 4)",
P. Wang, T. Mori, C. Nakano, Y. Maruyama, H. Inokuchi, N. Iwasawa, H. Yamochi, **H. Urayama**, and G. Saito, Bull. Chem. Soc. Jpn., 61, 3455(1988).
- 19) "Low Temperature Specific heat of Organic Superconductor κ-(BEDT-TTF)₂Cu(NCS)₂",
S. Katsumoto, S. Kobayashi, **H. Urayama**, H. Yamochi, and G. Saito, J. Phys. Soc. Jpn., 57, 3672(1988).
- 20) "Fermi Surface and Pressure Effect in (BEDT-TTF)₂Cu(NCS)₂",
K. Oshima, T. Mori, H. Inokuchi, **H. Urayama**, H. Yamochi, and G. Saito, Synthetic Metals, 27, A165(1988).
- 21) "NMR Relaxation in the Organic Superconductor (BEDT-TTF)₂Cu(NCS)₂",
T. Takahashi, T. Tokiwa, K. Kanoda, **H. Urayama**, H. Yamochi, and G. Saito, Synthetic Metals, 27, A319(1988).
- 22) "Magnetic and Optical Properties of an Ambient-Pressure Organic Superconductor (BEDT-TTF)₂[Cu(NCS)₂]",
T. Sugano, K. Nozawa, H. Hayashi, K. Nishikida, K. Terui, T. Fukasawa, H. Takenouchi, S. Mino, **H. Urayama**, H. Yamochi, G. Saito, and M. Kinoshita, Synthetic Metals, 27, A325(1988).
- 23) "Chemical and Physical Properties of a New Ambient Pressure Organic Superconductor with T_c Higher than 10 K",

- G. Saito, **H. Urayama**, H. Yamochi, and K. Oshima, *Synthetic Metals*, 27, A331(1988).
- 24) "Crystal and Electronic Structures and Physical Properties of $T_c = 10.4$ K Superconductor, (BEDT-TTF) $_2$ Cu(NCS) $_2$ ",
H. Urayama, H. Yamochi, G. Saito, S. Sato, T. Sugano, M. Kinoshita, A. Kawamoto, J. Tanaka, T. Inabe, T. Mori, Y. Maruyama, H. Inokuchi, and K. Oshima, *Synthetic Metals*, 27, A393(1988).
- 25) "Preparation, Structure, and Physical Properties of an Organic Conductor, (BEDT-TTF) $_3$ Br $_2$ (H $_2$ O) $_2$ ",
H. Urayama, G. Saito, T. Sugano, M. Kinoshita, A. Kawamoto, and J. Tanaka, *Synthetic Metals*, 27, A401(1988).
- 26) "Superconducting Critical Field in (BEDT-TTF) $_2$ Cu(NCS) $_2$ ",
K. Oshima, **H. Urayama**, H. Yamochi, and G. Saito, *Synthetic Metals*, 27, A419(1988).
- 27) "Superconductivity and Deuteration Effect in (BEDT-TTF) $_2$ Cu(NCS) $_2$ ",
K. Oshima, **H. Urayama**, H. Yamochi, and G. Saito, *Synthetic Metals*, 27, A473(1988).
- 28) "A New Transformable BEDT-TTF complex (BEDT-TTF) $_2$ (IBr) $_2$ (TCE) $_0.5$ ",
H. Yamochi, **H. Urayama**, G. Saito, K. Oshima, A. Kawamoto, and J. Tanaka, *Synthetic Metals*, 27, A485(1988).
- 29) "Preparation, Structure, and Physical Properties of a Series of Uncapped C $_6$ X $_4$ Y $_4$ (X, Y=Sulfur, Selenium, Tellurium) Compounds",
N. Iwasawa, **H. Urayama**, H. Yamochi, G. Saito, K. Imaeda, T. Mori, Y. Maruyama, H. Inokuchi, T. Enoki, Y. Higuchi, and N. Yasuoka, *Synthetic Metals*, 27, B463(1988).
- 30) "Chemical and Physical Properties of Organic Superconductor κ -(BEDT-TTF) $_2$ Cu(NCS) $_2$ ",
G. Saito, **H. Urayama**, H. Yamochi, and K. Oshima, in the Proceedings of the 1st International Symposium on Superconductivity (ISS'88), Nagoya, Springer-Verlag, p107(1989).
- 31) "Organic Metals and Superconductors Based on BEDT-TTF",
H. Urayama, H. Yamochi, G. Saito, and K. Oshima, in the Proceedings of the 1st International Symposium on Superconductivity (ISS'88), Nagoya, Springer-Verlag, p113(1989).
- 32) "Superconductivity in κ -(BEDT-TTF) $_2$ Cu(NCS) $_2$ ",
G. Saito and **H. Urayama**, in the Science of Superconductivity and New Materials, edited by S. Nakajima (World Scientific Pub., 1989).
- 33) "Crystal Structures and Electrical Properties of BEDT-TTF Salts of Mercury(II) Thiocyanate with and without K Ion",
M. Oshima, **H. Mori**, G. Saito, and K. Oshima, *Chem. Lett.* 1989, 1159.
- 34) "Thermal and Electrical Properties of Tetrakis(alkylseleno)tetrathiafulvalenes (TSeC $_n$ -TTF, $n = 1-18$)",
P. Wang, T. Enoki, K. Imaeda, N. Iwasawa, H. Yamochi, **H. Urayama**, G. Saito, and H. Inokuchi, *J. Phys. Chem.*, 93, 5947(1989).

- 35) "An Ambient Pressure Organic Superconductor κ -(BEDT-TTF-hg and -dg)₂Cu(NCS)₂ with T_c higher than 10 K",
H. Mori, S. Tanaka, H. Yamochi, G. Saito, K. Oshima, in the Physics and Chemistry of Organic Superconductors, Springer-Verlag, p150(1990).
- 36) "Nuclear Spin-Lattice Relaxation in the Organic Superconductor (BEDT-TTF)₂Cu(NCS)₂ : Measurements by the Field Cycling Technique",
T. Takahashi, K. Kanoda, K. Sakao, M. Watabe, **H. Mori**, and G. Saito, in the Physics and Chemistry of Organic Superconductors, Springer-Verlag, p155(1990).
- 37) "Tunneling Spectroscopic Study of the Superconducting Gap of (BEDT-TTF)₂Cu(NCS)₂ Crystals",
Y. Maruyama, T. Inabe, **H. Mori**, H. Yamochi, and G. Saito, in the Physics and Chemistry of Organic Superconductors, Springer-Verlag, p163(1990).
- 38) "Structural and Physical Properties of (BEDT-TTF)₂[KHg(SCN)₄]",
M. Oshima, **H. Mori**, G. Saito, and K. Oshima, in the Physics and Chemistry of Organic Superconductors, Springer-Verlag, p257(1990).
- 39) "Anomalous Transport Behavior in κ -(BEDT-TTF)₂Cu(NCS)₂",
K. Oshima, R. C. Yu, P. M. Chaikin, **H. Urayama**, H. Yamochi, and G. Saito, in the Physics and Chemistry of Organic Superconductors, Springer-Verlag, p276(1990).
- 40) "STM Study of (BEDT-TTF)₂Cu(NCS)₂ Surface",
M. Yoshimura, N. Ara, M. Kageshima, R. Shioda, A. Kawazu, H. Shigekawa, **H. Mori**, M. Oshima, H. Yamochi, and G. Saito, in the Physics and Chemistry of Organic Superconductors, Springer-Verlag, p280(1990).
- 41) "Anomalous Transport Properties of Organic Superconductor κ -(BEDT-TTF)₂Cu(NCS)₂",
H. Mori, K. Nakao, I. Hirabayashi, S. Tanaka, K. Oshima, and G. Saito, in the Proceedings of the 2nd International Symposium on Superconductivity (ISS'89), Tsukuba, Springer-Verlag, p537(1990).
- 42) "Crystal and Electronic Structures of (BEDT-TTF)₂[MHg(SCN)₄] (M=K and NH₄)", **H. Mori**, S. Tanaka, M. Oshima, G. Saito, T. Mori, Y. Maruyama, and H. Inokuchi, Bull. Chem. Soc. Jpn., 63, 2183(1990).
- 43) "A New Ambient-Pressure Organic Superconductor κ -(BEDT-TTF)₂Ag(CN)₂H₂O", **H. Mori**, I. Hirabayashi, S. Tanaka, T. Mori, and H. Inokuchi, Solid State Commun., 76, 35(1990).
- 44) "Electrical Properties and Crystal Structures of Mercury(II) Thiocyanate Salts based upon BEDT-TTF with Li⁺, K⁺, NH₄⁺, Rb⁺, and Cs⁺",
H. Mori, S. Tanaka, K. Oshima, M. Oshima, G. Saito, T. Mori, Y. Maruyama, and H. Inokuchi, Solid State Commun., 74, 1261(1990).
- 45) "Thermoelectric Power of (BEDT-TTF)₂MHg(SCN)₄ M=K, Rb, and NH₄", T. Mori, H. Inokuchi, **H. Mori**, S. Tanaka, M. Oshima, and G. Saito, J. Phys. Soc. Jpn., 59, 2624(1990).

- 46) "Quantum Oscillations of Magnetoresistance in a New Organic Superconductor (BEDT-TTF)₂(NH₄)Hg(SCN)₄",
T. Osada, A. Kawasumi, R. Yagi, S. Kagoshima, N. Miura, M. Oshima, **H. Mori**, T. Nakamura, and G. Saito, *Solid State Commun.*, 75, 901(1990).
- 47) "Phase Boundary in the Mixed State in an Organic Superconductor",
K. Oshima, K. Araki, H. Yamazaki, **H. Mori**, H. Yamochi, and G. Saito, *J. of Magnetism and Magnetic Materials*, 90-91, 785(1990).
- 48) "Upper Critical Field and Critical Current Density of Organic Superconductor, κ -(BEDT-TTF)₂Cu(NCS)₂",
H. Mori, K. Nakao, S. Nagaya, I. Hirabayashi, S. Tanaka, K. Oshima, and G. Saito, *Synthetic Metals*, 42, 2159(1991).
- 49) "Electrical Properties and Crystal Structures of Mercury(II) Thiocyanate Salts Based upon BEDT-TTF with Li⁺, K⁺, NH₄⁺, Rb⁺, and Cs⁺",
H. Mori, S. Tanaka, K. Oshima, G. Saito, T. Mori, Y. Maruyama, and H. Inokuchi, *Synthetic Metals*, 41-43, 2013(1991).
- 50) "Preparation, Crystal and Electronic Structures, and Physical Properties of New Ambient-Pressure Organic Superconductor, κ -(BEDT-TTF)₂Ag(CN)₂H₂O",
H. Mori, I. Hirabayashi, S. Tanaka, T. Mori, Y. Maruyama, and H. Inokuchi, *Synthetic Metals*, 41-43, 2255(1991).
- 51) "Overview of Organic Superconductor κ -(BEDT-TTF)₂Cu(NCS)₂ and its Related Materials",
G. Saito, H. Yamochi, T. Nakamura, T. Komatsu, T. Ishiguro, Y. Nogami, Y. Ito, **H. Mori**, K. Oshima, M. Nakashima, S. Uchida, H. Takagi, S. Kagoshima, and T. Osada, *Synthetic Metals*, 41-43, 1993(1991).
- 52) "Fermi Surface Modulation by Pressure in κ -(BEDT-TTF)₂Cu(NCS)₂",
K. Oshima, T. Mori, H. Inokuchi, **H. Mori**, H. Yamochi, and G. Saito, *Synthetic Metals*, 41-43, 2175(1991).
- 53) "Fermiology and Unusual High-Field Magnetotransport in Novel Organic Metals (BEDT-TTF)₂XHg(SCN)₄ (X=K, NH₄)",
T. Osada, R. Yagi, A. Kawasumi, S. Kagoshima, N. Miura, M. Oshima, **H. Mori**, M. Nakamura, and G. Saito, *Synthetic Metals*, 41-43, 2171(1991).
- 54) "Recent Progress in Organic Superconductors",
G. Saito, H. Yamochi, T. Nakamura, T. Komatsu, M. Nakamura, **H. Mori**, K. Oshima, *Physica B*, 169, 372(1991).
- 55) "Electronic Structure of (BEDT-TTF)₂X Salts Studied by Scanning Tunneling Spectroscopy",
Y. Mori, Y. Maruyama, **H. Mori**, and G. Saito, *J. J. Appl. Phys* 30, L358(1991).

- 56) "Structural and Physical Properties of $(\text{BEDT-TTF})_3\text{Li}_{0.5}\text{Hg}(\text{SCN})_4(\text{H}_2\text{O})_2$ and α' - $(\text{BEDT-TTF})_2\text{CsHg}(\text{SCN})_4$ ",
H. Mori, S. Tanaka, T. Mori, Y. Maruyama, H. Inokuchi, and G. Saito, *Solid State Commun.*, **78**, 49(1991).
- 57) "Anomalous Temperature-Dependent Local Structure in κ - $(\text{BEDT-TTF})_2\text{Cu}(\text{NCS})_2$ ", T. Doi, K. Oshima, H. Yamazaki, H. Maruyama, H. Maeda, A. Koizumi, H. Kimura, M. Fujita, Y. Yunoki, **H. Mori**, S. Tanaka, H. Yamochi, and G. Saito, *J. Phys. Soc. Jpn.*, **60**, 1441(1991).
- 58) "The Fermi Surfaces in the κ -Type BEDT-TTF Based Organic Superconductors",
 K. Oshima, K. Araki, H. Yamazaki, K. Kato, Y. Maruyama, K. Yasushi, T. Mori and H. Inokuchi, **H. Mori**, and S. Tanaka, *Physica C*, **185-189**.
- 59) "EXAFS Study in Organic Superconductors",
 T. Doi, K. Oshima, H. Maeda, H. Yamazaki, H. Maruyama, H. Kimura, M. Fujita, **H. Mori**, S. Tanaka, H. Yamochi, and G. Saito, *Physica C* **185-189**, 2689-2690(1991).
- 60) "Imaging of an Organic Superconductor $(\text{BEDT-TTF})_2(\text{NH}_4)\text{Hg}(\text{SCN})_4$ Surface Structure by Scanning Tunneling Microscopy",
 A. Kawazu, M. Yoshimura, H. Shigekawa, **H. Mori**, and G. Saito, *J. Vac. Sci. Technol.* **B9(2)**, 1006(1991).
- 61) "A New Ambient-Pressure Organic Superconductor, κ - $(\text{BEDT-TTF})_2\text{Ag}(\text{CN})_2\text{H}_2\text{O}$ ", **H. Mori**, I. Hirabayashi, S. Tanaka, T. Mori, Y. Maruyama, and H. Inokuchi, in the Proceedings of the 3rd International Symposium on Superconductivity (ISS'90), Sendai, Springer-Verlag, p323(1991).
- 62) "Superconductivity in $(\text{BEDT-TTF})_4\text{Pt}(\text{CN})_4\text{H}_2\text{O}$ ",
H. Mori, I. Hirabayashi, S. Tanaka, T. Mori, Y. Maruyama, and H. Inokuchi, *Solid State Commun.*, **80**, 411-415(1991).
- 63) "Photoelectron Spectroscopic Study of κ - $(\text{BEDT-TTF})_2\text{Cu}(\text{NCS})_2$ Organic Superconductor",
 R. Itti, **H. Mori**, K. Ikeda, I. Hirabayashi, N. Koshizuka, and S. Tanaka, *Physica C*, **185-189**, 2673(1991).
- 64) "Structural and Physical Properties of a New Organic Superconductor, $(\text{BEDT-TTF})_4\text{Pd}(\text{CN})_4\text{H}_2\text{O}$ ",
 T. Mori, K. Kato, Y. Maruyama, H. Inokuchi, **H. Mori**, I. Hirabayashi, S. Tanaka, *Solid State Commun.*, **82**, 177(1992).
- 65) "Fermi Surface Topology and Electronic Structures of Two-dimensional Organic Conductors Based on BEDT-TTF and MDT-TTF", T. Nakamura, G. Saito, N. Miura, T. Osada, S. Kagoshima, **H. Mori**, K. Kanoda, and T. Takahashi, *Phosphorus and Sulfur and Silicon*, **67**, 377(1992).
- 66) "Photoelectron Spectroscopic Study of κ - $(\text{BEDT-TTF})_2\text{Cu}(\text{NCS})_2$ Organic Superconductor",
 R. Itti, **H. Mori**, K. Ikeda, I. Hirabayashi, N. Koshizuka, and S. Tanaka, *Modern Physics Letters B*, **6**, 1785(1992).
- 67) "New Organic Superconductor, $(\text{BEDT-TTF})_4\text{Pt}(\text{CN})_4\text{H}_2\text{O}$ ",

- H. Mori**, I. Hirabayashi, S. Tanaka, T. Mori, Y. Maruyama, and H. Inokuchi, in the Proceedings of the 4th International Symposium on Superconductivity (ISS'91), Tokyo, Springer-Verlag, p199(1992).
- 68) "Bis(methylthio) Substituted Unsymmetrical 2,5-Bis(1', 3'-dithiol-2'-ylidene)-1,3,4,6-tetrathiapentalenes",
Y. Misaki, H. Nishikawa, T. Yamabe, T. Mori, H. Inokuchi, **H. Mori**, and S. Tanaka, Chem. Lett., 1993, 729.
- 69) "Structure and Conducting Properties of TMET-TTP Radical-Cation Salts",
T. Mori, H. Inokuchi, Y. Misaki, H. Nishikawa, T. Yamabe, **H. Mori**, and S. Tanaka, Chem. Lett., 1993, 733.
- 70) "New Organic Superconductors; (BEDT-TTF)₄M(CN)₄H₂O (M=Pt and Pd)",
H. Mori, I. Hirabayashi, S. Tanaka, T. Mori, Y. Maruyama, and H. Inokuchi, in the Proceedings of the 5th International Symposium on Superconductivity (ISS'92), Tokyo, Springer-Verlag, p259(1993).
- 71) "Correlation Between Crystal Structure and Irreversibility Magnetic Fields in Oxide and Organic Superconductors",
T. Nabatame, **H. Mori**, T. Miyatake, S. Tajima, I. Hirabayashi, N. Koshizuka, and S. Tanaka, in the Proceedings of the 5th International Symposium on Superconductivity (ISS'92), Tokyo, Springer-Verlag, p451(1993).
- 72) "Preparation and Crystal Structures of New Organic Superconductors, (BEDT-TTF)₄Pt(CN)₄H₂O (T_c=2K, 6.5kbar), (BEDT-TTF)₄Pd(CN)₄H₂O (T_c=1.2K, 7kbar), and Related Materials",
H. Mori, I. Hirabayashi, S. Tanaka, T. Mori, Y. Maruyama, and H. Inokuchi, Synthetic Metals, 55-57, 2044(1993).
- 73) "A Novel Electronic State in (BEDT-TTF)₂MHg(SCN)₄: M=K, NH₄",
T. Kouno, T. Osada, M. Hasumi, S. Kagoshima, N. Miura, M. Oshima, **H. Mori**, T. Nakamura, and G. Saito, Synthetic Metals, 55-57, 2425(1993).
- 74) "Critical Temperature (T_c) and Crystal Structures of κ-(BEDT-TTF)₂Ag(CN)₂H₂O (T_c = 5K) and κ-(BEDT-TTF-d₈)₂Ag(CN)₂H₂O (T_c = 6K)", **H. Mori**, I. Hirabayashi, S. Tanaka, T. Mori, Y. Maruyama, and H. Inokuchi, Synthetic Metals, 55-57, 2437(1993).
- 75) "Magnetic Susceptibility and Electrical Resistivity of (BEDT-TTF)₂MHg(SCN)₄ (M=K, NH₄, and Rb)",
H. Mori, I. Hirabayashi, S. Tanaka, T. Mori, Y. Maruyama, and H. Inokuchi, Synthetic Metals, 55-57, 2443(1993).
- 76) "Reflectance Spectra of κ-(BEDT-TTF)₂X"
R. Masuda, H. Tajima, H. Kuroda, **H. Mori**, S. Tanaka, T. Mori, and H. Inokuchi, Synthetic Metals, 55-57, 2489(1993).

- 77) "Physical Properties of New Organic Superconductors, (BEDT-TTF)₄M(CN)₄H₂O (M=Pt and Pd)", T. Mori, R. Kato, Y. Maruyama, H. Inokuchi, **H. Mori**, I. Hirabayashi, and S. Tanaka, *Synthetic Metals*, 55-57, 2911(1993).
- 78) "Raman-active Molecular Vibrations in the Organic Superconductor κ -[bis(ethylenedithio)tetrathiafulvalene]₂Cu(NCS)₂", S. Sugai, **H. Mori**, H. Yamochi, and G. Saito, *Phys. Rev. B*, 47, 14374(1993).
- 79) "Structure and Electrical Properties of MeDTET Salts", Y. Misaki, H. Nishikawa, T. Yamabe, T. Mori, H. Inokuchi, **H. Mori**, and S. Tanaka, *Chem. Lett.*, 1993, 1341.
- 80) "Ethylenedioxy Substituted 2,5-Bis(1', 3'-dithiol-2'-ylidene)-1,3,4,6-tetrathiapentalenes and Their Conducting Salts", Y. Misaki, H. Nishikawa, K. Kawakami, T. Yamabe, T. Mori, H. Inokuchi, **H. Mori**, and S. Tanaka, *Chem. Lett.*, 1993, 2073.
- 81) "Structure and Physical Properties of (TMEO-TTP)₂Au(CN)₂", T. Mori, H. Inokuchi, Y. Misaki, H. Nishikawa, T. Yamabe, **H. Mori**, and S. Tanaka, *Chem. Lett.*, 1993, 2085.
- 82) "Preparation, Crystal and Electronic Structures, and Electrical Resistivity of (BEDT-TTF)₃Cl_{2.5}H₅O₂", **H. Mori**, I. Hirabayashi, S. Tanaka, and Y. Maruyama, *Bull. Chem. Soc. Jpn.*, 66, 2156(1993).
- 83) "Electrical Properties and Crystal Structures of MDSe-TTF and EDSe-TTF Salts", **H. Mori**, I. Hirabayashi, S. Tanaka, T. Mori, Y. Maruyama, and H. Inokuchi, *Solid State Commun.*, 88, 411(1993).
- 84) "Overview of Organic Superconductors", **H. Mori**, *International Journal of Modern Physics B*, 8, 1(1994).
- 85) "The Origin of Anomalous Angular Dependent Magnetoresistance Oscillation Effect in α -(BEDT-TTF)₂KHg(SCN)₄", Y. Iye, R. Yagi, N. Hanasaki, S. Kagoshima, **H. Mori**, H. Fujimoto, and G. Saito, *J. Phys. Soc. Jpn.*, 63, 674(1994).
- 86) "Crystal Structures of Highly Conducting Iodine Complexes of TTM-TTP", T. Mori, H. Inokuchi, Y. Misaki, T. Yamabe, **H. Mori**, and S. Tanaka, *Bull. Chem. Soc. Jpn.*, 67, 661(1994).
- 87) "ESR Properties of κ -Type Organic Superconductors Based on BEDT-TTF", T. Nakamura, T. Nobutoki, T. Takahashi, G. Saito, **H. Mori**, and T. Mori, *J. Phys. Soc. Jpn.*, 63, 4110(1994).
- 88) "New Three-Component Organic Conductors; (BEDT-TTF)₂MHg(SCN)₄ (M=Li, Na, K, NH₄, Tl, Rb, and Cs)",

- H. Mori**, I.Hirabayashi, S.Tanaka, T.Mori, Y.Maruyama, and H.Inokuchi, in the Proceedings of the 6th International Symposium on Superconductivity (ISS'93), Hiroshima, Springer-Verlag, p279(1994).
- 89) "Crystal Growth and Structure of YBCO Single Crystal",
W.J.Jang, **H. Mori**, M.Watahiki, H.Unoki, and N.Koshizuka, in the Proceedings of the 7th International Symposium on Superconductivity (ISS'94), Kitakyushu, Springer-Verlag, p645(1995).
- 90) "Structure and Properties of an Organic Metal (BEDT-TTP)₂I₃",
T.Mori, Y.Misaki, T.Yamabe, **H. Mori**, and S.Tanaka, Chem. Lett., 1995, 549.
- 91) "(DTEDT)[Au(CN)₂]_{0.4}: An Organic Superconductor Based on the Novel π -Electron Framework of Vinylogous Bis-Fused Tetrathiafulvalene",
Y.Misaki, N.Higuchi, H.Fujiwara, T.Yamabe, T.Mori, **H. Mori**, and S.Tanaka, Angew. Chem. Int. Ed. Engl., 34, 1222(1995).
- 92) "Fermi Surface in an Organic Metal, bis(ethylenedioxy)tetrathiafulvalene chloride", T.Mori, K.Oshima, H.Okuno, K.Kato, **H. Mori**, and S.Tanaka, Phys. Rev. B, 51, 11110(1995).
- 93) "Organic Conductors with Three-component System Containing Co, Zn, and Cd Based upon BEDT-TTF",
H. Mori, I.Hirabayashi, S.Tanaka, T.Mori, and Y.Maruyama, Synthetic Metals, 70, 789(1995).
- 94) "Crystal Structures and Physical Properties of TMEO-TTP Salts",
T.Mori, Y.Misaki, H.Nishikawa, T.Yamabe, **H. Mori** and S.Tanaka, Synthetic Metals, 70, 873(1995).
- 95) "Conducting Properties of Radical-Cation Salts of BEDT-TTP",
T.Mori, Y.Misaki, K.Kawakami, T.Yamabe, **H. Mori**, and S.Tanaka, Synthetic Metals, 70, 875(1995).
- 96) "Physical and Chemical Properties of MDSe-TTF and EDSe-TTF Salts",
H. Mori, I.Hirabayashi, S.Tanaka, T.Mori, and Y.Maruyama, Synthetic Metals, 70, 877(1995).
- 97) "Anomalous Enhancement of g-shift in κ -type BEDT-TTF Compounds",
T.Nakamura, T.Nobutoki, T.Takahashi, **H. Mori** T.Mori, and G.Saito, Synthetic Metals, 70, 959(1995).
- 98) "Synthesis and Properties of Bis-fused TTF Donors",
Y.Misaki, T.Matsui, K.Kawakami, H.Fujiwara, T.Yamabe, T.Mori, **H. Mori**, S.Tanaka, and M.Shiro, Synthetic Metals, 70, 1149(1995).
- 99) "Crystal Structures and Physical Properties of DTET-TTF Salts",
Y.Misaki, H.Nishikawa, H.Fujiwara, T.Yamabe, T.Mori, **H. Mori** and S.Tanaka, Synthetic Metals, 70, 1151(1995).
- 100) "Crystal Structures and Conducting Properties of TTM-TTP Salts",

- Y.Misaki, H.Nishikawa, T.Yamabe, T.Mori, **H. Mori**, and S.Tanaka, *Synthetic Metals*, 70, 1153(1995).
- 101) "Preparation, Properties and Structures of Planar Anion Complexes",
H. Mori, I.Hirabayashi, S.Tanaka, T.Mori, and Y.Maruyama, *Synthetic Metals*, 70, 1177(1995).
- 102) "Crystal Structures and Physical Properties of Bis-Fused TTF Donors",
T.Mori, Y.Misaki, H.Nishikawam K.Kawakami, T.Yamabe, **H. Mori**, and S.Tanaka, *Synthetic Metals*, 70, 1179(1995).
- 103) "Reflectance Spectra of Bis-Fused TTF Radical-Cation Salts",
H.Tajima, M.Arifuku, T.Ohta, T.Mori, Y.Misaki, T.Yamabe, **H. Mori**, and S.Tanaka, *Synthetic Metals*, 70, 1951(1995).
- 104) "Crystal Structures and Electrical Resistivities of Three-Component Organic Conductors: (BEDT-TTF)₂MM'(SCN)₄ [M=K, Rb, Cs; M=Co, Zn, Cd]",
H. Mori, S.Tanaka, and Y.Maruyama, *Bull. Chem. Soc. Jpn.*, 68, 1136(1995).
- 105) "The Superstructure Wave Vector in the Low-temperature Electronic State of the Organic Conductor α -(BEDT-TTF)₂RbHg(SCN)₄ Determined from Angular Magnetoresistance Oscillations",
M.V.Kartsovnik, H.Ito, T.Ishiguro, **H. Mori**, T.Mori, G.Saito, and S.Tanaka, *J. Phys. Condens.Matter*, 6, L470(1994).
- 106) "Structures and Conducting Properties of CPTM-TTP Salts",
Y.Misaki, K.Kawakami, H.Fujiwara, T.Yamabe, T.Mori, **H. Mori**, and S.Tanaka, *Chem. Lett.*, 1995, 1125.
- 107) "A Vinylogue of Bis-fused Tetrathiafulvalene: Novel π -Electron Framework for Two-dimensional Organic Metals",
Y.Misaki, T.Ohta, N.Higuchi, H.Fujiwara, T.Yamabe, T.Mori, **H. Mori**, and S.Tanaka, *J.Mater. Chem.*, 5(10), 1571(1995).