

List of Publication (Original papers)

February 11, 2024

- 1. Semiconductor-to-Metal and Metal-to-Metal Transitions in the Three-Dimensional Mixed-Valence Compound $\text{Cs}_2\text{Au}_2\text{I}_6$ under High Pressures**
N. Kojima, H. Kitagawa, T. Ban, F. Amita, M. Nakahara,
Solid State Commun., **73**, 743-745 (1990).
- 2. Structure Analysis of High-Pressure Metallic State of the Three-Dimensional Mixed-Valence Compound $\text{Cs}_2\text{Au}^{\text{I}}\text{Au}^{\text{III}}\text{I}_6$ by X-Ray Diffraction Using SR**
H. Kitagawa, H. Sato, N. Kojima, T. Kikegawa, O. Shimomura,
Synthetic Metals, **42**, 1953-1956 (1991).
- 3. Behavior of the Electrical Conductivity of the Three-Dimensional Mixed-Valence Compounds $\text{Cs}_2\text{Au}_2\text{X}_6$ (X=Cl, Br, I) under High Pressures**
N. Kojima, H. Kitagawa, T. Ban, F. Amita, M. Nakahara,
Synthetic Metals, **42**, 2347-2350 (1991).
- 4. Studies of the Mixed-Valence States in Three-Dimensional Halogen-Bridged Mixed-Valence Gold Compounds, $\text{Cs}_2\text{Au}^{\text{I}}\text{Au}^{\text{III}}\text{X}_6$ (X=Cl, Br, and I), Part 1. Synthesis, X-Ray, and ESR Studies of $\text{CsAu}_{0.6}\text{Br}_{2.6}$**
H. Kitagawa, N. Kojima, N. Matsushita, T. Ban, I. Tsujikawa,
J. Chem. Soc., Dalton Trans., 3115-3119 (1991).
- 5. Studies of the Mixed-Valence States in Three-Dimensional Halogen-Bridged Mixed-Valence Gold Compounds, $\text{Cs}_2\text{Au}^{\text{I}}\text{Au}^{\text{III}}\text{X}_6$ (X=Cl, Br, and I), Part 2. X-Ray Photoelectron Spectroscopic Study of Au Compounds**
H. Kitagawa, N. Kojima, T. Nakajima,
J. Chem. Soc., Dalton Trans., 3121-3125 (1991).
- 6. Studies of the Mixed-Valence States in Three-Dimensional Halogen-Bridged Mixed-Valence Gold Compounds, $\text{Cs}_2\text{Au}^{\text{I}}\text{Au}^{\text{III}}\text{X}_6$ (X=Cl, Br, and I), Part 3. ^{197}Au Mössbauer Spectroscopic Study**
H. Kitagawa, N. Kojima, H. Sakai,
J. Chem. Soc., Dalton Trans., 3211-3215 (1991).
- 7. Metallization and Phase Transitions of the Three-Dimensional Halogen-Bridged Mixed-Valence Complex $\text{Cs}_2\text{Au}_2\text{I}_6$ under High Pressure**
H. Kitagawa, H. Sato, N. Kojima, T. Kikegawa, O. Shimomura,
Solid State Commun., **78**, 989-995 (1991).
- 8. A New Molecular System; Cooperation of Transition Metal Chain and CT Stack *via* Inter-Molecular H-Bonds**
T. Mitani, H. Kitagawa, H. Okamoto, K. Nakasuji, J. Toyoda, M. Yamashita,
Mol. Cryst. Liq. Cryst., **216**, 73-77 (1992).
- 9. Anaerobic Sampling and Characterization of Lanthano-Fullerenes: Extraction of LaC_{76} and other LaC_{2n}**
S. Bandow, H. Kitagawa, T. Mitani, H. Inokuchi, Y. Saito, H. Yamaguchi, N. Hayashi, H. Sato, H. Shinohara,
J. Phys. Chem., **26**, 9609-9612 (1992).
- 10. Electrical Conductivity of the Perovskite-Type Mixed-Valence Compound $\text{Cs}_2\text{Au}_2\text{I}_6$ under High Pressures and Low Temperature**
H. Kitagawa, N. Kojima, H. Takahashi, N. Mōri,
Synthetic Metals, **56**, 1726-1729 (1993).

11. **¹⁹⁷Au Mössbauer Spectroscopy of the Cubic Phase in the Halogen Bridged Mixed-Valence Complex Cs₂Au₂I₆**
N. Kojima, F. Amita, H. Kitagawa, H. Sakai, Y. Maeda,
Nuclear Inst. Meth. Phys. Res., **B76**, 321-322 (1993).
12. **A New Molecular System: 1-D *d*- π Electron System Constructed by Interchain H-Bonds**
T. Mitani, H. Kitagawa,
New Func. Mat., Vol. C, 291-296 (1993).
13. **Optical Reflectivity Spectra of Incommensurate Layer Compounds (CeS)_{1.2}NbS₂ and (CeS)_{0.6}NbS₂**
T. Terashima, N. Kojima, H. Kitagawa, H. Okamoto, T. Mitani,
J. Phys. Soc. Jpn., **62**, 2166-2173 (1993).
14. **Phase Diagram of the Three-Dimensional Halogen-Bridged Mixed-Valence Compounds M₂Au₂X₆ (M=Rb, Cs; X=Cl, Br, I) under High Pressure**
N. Kojima, A. Tanaka, H. Sato, H. Kitagawa, T. Kikegawa, O. Shimomura,
Jpn. J. Appl. Phys., **32**, 51-53 (1993).
15. **New Type of H-Bonded CT Complexes; [M(H₂DAG)(HDAG)]TCNQ (M=Ni, Pd, Pt)**
H. Kitagawa, H. Okamoto, T. Mitani, M. Yamashita,
Mol. Cryst. Liq. Cryst., **228**, 155-160 (1993).
16. **A New Characterization of Lanthanum- and Scandium-Endohedral Metallo fullerenes**
H. Shinohara, H. Yamaguchi, N. Hayashi, H. Sato, M. Inagaki, Y. Saito, S. Bandow, H. Kitagawa, T. Mitani, H. Inokuchi,
Mat. Sci. & Engineer., **B19**, 25-30 (1993).
17. **New Superconducting Sodium-Nitrogen-C₆₀ Ternary Compound**
K. Imaeda, I. Khairullin, K. Yakushi, M. Nagata, N. Mizutani, H. Kitagawa, H. Inokuchi,
Solid State Commun., **87**, 375-378 (1993).
18. **A New Two-Band System of *d* and π with Interband H Bridges**
H. Kitagawa, T. Mitani, J. Toyoda, K. Nakasuji, H. Okamoto, M. Yamashita,
Synthetic Metals, **56**, 1783-1786 (1993).
19. **Optical Investigation of the Intervalence Charge-Transfer Interactions in the Three-Dimensional Gold Mixed-Valence Compounds Cs₂Au₂X₆ (X=Cl, Br, or I)**
N. Kojima, H. Kitagawa,
J. Chem. Soc., Dalton Trans., 327-331 (1994).
20. **P-T Phase Diagram and Gold Valence State of the Perovskite-Type Mixed-Valence Compounds Cs₂Au₂X₆ (X=Cl, Br, and I) under High Pressure**
N. Kojima, M. Hasegawa, H. Kitagawa, T. Kikegawa, O. Shimomura,
J. Am. Chem. Soc., **116**, 11368-11374 (1994).
21. **Control of Charge Instabilities in Quasi-One-Dimensional Halogen-Bridged Nickel Compounds**
M. Yamashita, K. Inoue, H. Okamoto, H. Kitagawa, T. Mitani,
Mol. Cryst. Liq. Cryst., **256**, 179-186 (1994).
22. **TOF MASS Spectroscopy of Fullerenes -Identification of C₅₈-C₆₀₀ pair fullerenes**
C. Fujikawa, K. Morii, T. Mitani, H. Kitagawa, M. Nagata, N. Mizutani, H. Inokuchi,
Mol. Cryst. Liq. Cryst., **256**, 813-818 (1994).
23. **Shock-Induced Phase Transformation of Fullerenes**
T. Sekine, Y. Maruyama, M. Nagata, N. Mizutani, H. Kitagawa, H. Inokuchi,
High-Pres. Sci. and Tech., 655-658 (1994).

24. **Structural Control of Quasi-One-Dimensional Halogen-Bridged Nickel Complexes**
K. Inoue, M. Yamashita, H. Okamoto, H. Kitagawa, T. Mitani,
Synthetic Metals, **71**, 1913-1914 (1995).
25. **H-Bonded System of 1-D d and π States; [Pd(H₂EDAG)(HEDAG)]TCNQ**
H. Kitagawa, T. Mitani, T. Itoh, J. Toyoda, K. Nakasuji,
Synthetic Metals, **71**, 1919-1920 (1995).
26. **Counter-Ion Radius Dependence of the Mixed-Valence State in MX Chain Platinum Complexes**
N. Matsushita, H. Kitagawa, T. Mitani,
Synthetic Metals, **71**, 1933-1934 (1995).
27. **Hydrogen-Bonded CT Complex of Ethylenediaminoglyoxime Transition Metal Complex with TCNQ**
T. Itoh, J. Toyoda, M. Tadokoro, H. Kitagawa, T. Mitani, K. Nakasuji,
Chemistry Letters, 41-42 (1995).
28. **Absorption Spectrum of C₆₀ in the Gas Phase: Autoionization via Core-Excited Rydberg States**
H. Yasumatsu, T. Kondow, H. Kitagawa, K. Tabayashi, K. Shobatake,
J. Chem. Phys., **104**, 899-902 (1996).
29. **Electronic Structure of the Quasi-1-D Halogen-Bridged Ni Complexes [Ni(chxn)₂X]X₂ (X=Cl, Br) and Related Ni Compounds**
H. Okamoto, Y. Shimada, Y. Oka, A. Chainani, T. Takahashi, H. Kitagawa, T. Mitani, K. Toriumi, K. Inoue, T. Manabe, M. Yamashita,
Phys. Rev. B **54**, 8438-8445 (1996).
30. **A Molecular Charge Transfer Salt of BEDT-TTF with [Cr(C₂O₄)₃]³⁻: Synthesis and Physical Properties**
M. Kurmoo, H. Kitagawa, T. Mitani, K. Morii, P. Day,
Mol. Cryst. Liq. Cryst., **284**, 49-59 (1996).
31. **Synthesis, Crystal Structure, and Physical Properties of Charge Transfer Coordination Complex, [Pt(H₂DAG)(HDAG)][Ni(dmit)₂] \cdot 1/2H₂O \cdot CH₃CN \cdot CH₃OH**
M. Yamashita, A. Ichikawa, T. Hama, T. Ohishi, T. Manabe, H. Miyamae, D. Yoshida, S. Sugiura, H. Kitagawa, Y. Iwasa, T. Mitani,
Mol. Cryst. Liq. Cryst., **284**, 391-398 (1996).
32. **Crystal Structure and Physical Properties of η -(BEDT-TTF)₂M(CN)₂; M=Ag or Au, BEDT-TTF=Bis(ethylenedithio)-Tetrathiafulvalene**
M. Kurmoo, P. Day, P. Guionneau, G. Bravic, D. Chasseau, L. Ducasse, T. Mitani, H. Kitagawa, H. Shimoda, D. Yoshida,
Bull. Chem. Soc. Jpn., **69**, 1233-1240 (1996).
33. **Electron-Proton Co-operation in 1-D d - π Electronic State - Basic Study of Protono Electronics -**
T. Mitani, H. Kitagawa, K. Morii, D. Yoshida, K. Sakai, T. Itoh, K. Nakasuji,
Mol. Cryst. Liq. Cryst., **285**, 249-256 (1996).
34. **Band-Filling Control in Organic-Inorganic Hybrid Molecular System**
D. Yoshida, H. Kitagawa, T. Mitani, T. Itoh, K. Nakasuji,
Mol. Cryst. Liq. Cryst., **285**, 257-261 (1996).
35. **Structural Study on Novel Molecular System with Hydrogen-Bondings**
K. Morii, H. Kitagawa, T. Mitani, K. Nakasuji,
Mol. Cryst. Liq. Cryst., **285**, 263-267 (1996).
36. **Mixed-Valence States in MMX-Chains Complex, Pt₂(dta)₄I**

- H. Kitagawa, N. Onodera, J.-S. Ahn, T. Mitani, M. Kim, Y. Ozawa, K. Toriumi, K. Yasui, T. Manabe, M. Yamashita,
Mol. Cryst. Liq. Cryst., **285**, 311-316 (1996).
- 37. A Three-Dimensional Iodo-Bridged Mixed-Valence Gold(I, III) Compound, Cs₂Au^IAu^{III}I₆**
N. Matsushita, H. Kitagawa, N. Kojima,
Acta Crystallogr., Sect. C, **C53**, 663-666 (1997).
- 38. Electronic Properties of Fullerenes**
K. Morii, C. Fujikawa, H. Kitagawa, Y. Iwasa, T. Mitani,
Mol. Cryst. Liq. Cryst., **296**, 357-364 (1997).
- 39. Physical Properties of Quasi-One-Dimensional Charge-Transfer Metal Complexes; [M(HBQD)₂]TCNQ (M=Ni, Pd; HBQD=1,2-Benzoquinonedioxime)**
Y. Kagami, F. Iwahori, T. Ohishi, T. Hama, T. Manabe, M. Yamashita, H. Kitagawa, K. Sakai, T. Mitani,
Synthetic Metals, **86**, 1803-1804 (1997).
- 40. The Metallic State in a MMX-Chain Complex, Pt₂(dta)₄I**
H. Kitagawa, N. Onodera, J.-S. Ahn, T. Mitani, K. Toriumi, M. Yamashita,
Synthetic Metals, **86**, 1931-1932 (1997).
- 41. Filling Control of the 1-D Band of TCNQ in H-Bonded Organic-Inorganic Hybrid System**
D. Yoshida, H. Kitagawa, T. Mitani, T. Itoh, K. Nakasuji,
Synthetic Metals, **86**, 2105-2106 (1997).
- 42. Determination of the Electronic Structure in the Strongly Correlated 1-D Electron Systems: X-Ray Photoelectron and Auger Spectroscopy of Halogen-Bridged Nickel Complexes**
H. Okamoto, A. Chainai, T. Takahashi, H. Kitagawa, T. Mitani, T. Manabe, M. Yamashita,
Synthetic Metals, **86**, 2139-2140 (1997).
- 43. Metallic Bipolaron Phase and Its Re-Entrant Phenomenon in the Au Mixed-Valence Compounds Cs₂Au₂X₆ (X=Cl, I) under High Pressure**
N. Kojima, F. Fukuhara, H. Kitagawa, H. Takahashi, N. Mōri,
Synthetic Metals, **86**, 2175-2176 (1997).
- 44. Competition between Electron-Correlation in Ni(III) and Electron-Lattice Interaction in Pd(II)-Pd(IV) in Mixed-Metal MX-Chain, Ni_{1-x}Pd_x(chxn)₂Br₃**
T. Manabe, T. Kawashima, M. Yamashita, H. Okamoto, H. Kitagawa, T. Mitani, M. Inokuchi, K. Yakushi,
Synthetic Metals, **86**, 2233-2234 (1997).
- 45. The Structural Change Caused by Temperature-Induced Metal-to-Ligand Charge Transfer in [Pd(HBQD)₂]TCNQ (HBQD=1,2-Benzoquinonedioxime)**
K. Sakai, H. Kitagawa, T. Mitani, M. Yamashita,
Chemistry Letters, 1237-1238 (1997).
- 46. Synthesis, Structure and Physical Properties of the Organic-Inorganic Hybrid Salt (BEDT-TTF)₆[PMo₁₂O₄₀](4CH₃CN•6H₂O)**
M. Kurmoo, M. Bonamico, C. Bellitto, V. Fares, F. Federici, P. Guionneau, L. Ducasse, H. Kitagawa, P. Day,
Adv. Mat., **10**, 545-550 (1998).
- 47. Raman Study of Cs₃C₆₀ under Ambient Pressure**
Y. Kubozono, S. Fujiki, K. Hiraoka, T. Urakawa, Y. Takabayashi, S. Kashino, Y. Iwasa, H. Kitagawa, T. Mitani,
Chem. Phys. Lett., **298**, 335-340 (1998).

48. **Competition between Electron-Phonon Interaction and Electron-Correlation in Ni-Pd Mixed-Metal MX Chain Compounds**
T. Manabe, T. Kawashima, M. Yamashita, Y. Kaga, H. Okamoto, H. Kitagawa, T. Mitani,
Synthetic Metals, **102**, 1779-1780 (1999).
49. **Charge Ordering with Lattice Distortions in a Conductive MMX-Chain Complex, $\text{Pt}_2(\text{dta})_4\text{I}$ ($\text{dta}=\text{CH}_3\text{CS}_2^-$)**
H. Kitagawa, N. Onodera, T. Sonoyama, M. Yamamoto, T. Fukawa, T. Mitani, M. Seto,
Y. Maeda,
J. Am. Chem. Soc., **121**, 10068-10080 (1999).
50. **Charge Fluctuation in MMX Chain Compounds, $\text{A}_4[\text{Pt}_2(\text{pop})_4\text{I}] \cdot n\text{H}_2\text{O}$**
M. Yamashita, S. Miya, T. Kawashima, T. Manabe, T. Sonoyama, H. Kitagawa, T. Mitani,
J. Am. Chem. Soc., **121**, 2321-2322 (1999).
51. **Tuning of Spin Density Wave Strengths in Quasi-One-Dimensional Halogen- Bridged Ni^{III} Complexes with Strong Electron Correlations, $[\text{Ni}^{\text{III}}(\text{chxn})_2\text{X}]\text{Y}_2$**
M. Yamashita, T. Manabe, K. Inoue, T. Kawashima, H. Okamoto, H. Kitagawa, T. Mitani, K.
Toriumi, H. Miyamae, R. Ikeda,
Inorganic Chemistry, **38**, 1894-1899 (1999).
52. **Tuning of Charge Density Wave Strengths by Competition between Electron-Phonon Interaction of $\text{Pd}^{\text{II}}\text{-Pd}^{\text{IV}}$ Mixed-Valence States and Electron Correlation of Ni^{III} States in Quasi-One-Dimensional Bromo-Bridged Ni-Pd Mixed-Metal MX Chain Compounds, $\text{Ni}_{1-x}\text{Pd}_x(\text{chxn})_2\text{Br}_3$**
M. Yamashita, T. Ishii, H. Matsuzaka, T. Manabe, T. Kawashima, H. Okamoto, H. Kitagawa, T.
Mitani, K. Marumoto, S. Kuroda,
Inorganic Chemistry, **38**, 5124-5130 (1999).
53. **Luminescence Properties and Crystal Structures of Dicyano(diimine)platinum(II) Complexes Controlled by $\text{Pt}\cdots\text{Pt}$ and $\pi\text{-}\pi$ Interactions**
M. Kato, C. Kosuge, K. Morii, J.-S. Ahn, H. Kitagawa, T. Mitani, M. Matsushita, T. Kato,
S. Yano, M. Kimura,
Inorganic Chemistry, **38**, 1638-1641 (1999).
54. **Thermodynamic Metal-Insulator Transition in a Hydrogen-Bonded Organic-Inorganic Hybrid Conductor, $[\text{Pd}(\text{H}_2\text{-edag})(\text{Hedag})]\text{TCNQ}$**
K. Saito, Y. Yamamura, H. Kitagawa, D. Yoshida, T. Mitani, M. Sorai,
J. Phys. Soc. Jpn., **68**, 3592-3599 (1999).
55. **Raman Investigation of the One-Dimensional Organic Conductor with a Half-Filled Band, $(\text{TTM-TTP})\text{I}_3$**
T. Kawamoto, T. Mori, H. Kitagawa, T. Mitani, Y. Misaki, K. Tanaka,
J. Phys. Soc. Jpn., **68**, 3748-3749 (1999).
56. **Raman and Optical Investigations on Charge Localization in One-Dimensional Organic Conductors, $(\text{TTM-TTP})(\text{I}_3)_{5/3}$ and $(\text{TSM-TTP})(\text{I}_3)_{5/3}$**
T. Kawamoto, M. Ashizawa, M. Aragaki, T. Mori, T. Yamamoto, H. Tajima, H. Kitagawa,
T. Mitani, Y. Misaki, K. Tanaka,
Phys. Rev. B **60**, 4635-4645 (1999).
57. **The Valence Transition in a Conductive MMX-Chain System, $\text{Pt}_2(\text{dta})_4$ ($\text{dta} = \text{CH}_3\text{CS}_2^-$)**
H. Kitagawa, M. Yamamoto, N. Onodera, T. Mitani,
Synthetic Metals, **103**, 2151-2152 (1999).
58. **^{129}I Mössbauer Spectroscopic Study in an MMX-Chain System, $\text{M}_2(\text{dta})_4\text{I}$ ($\text{M} = \text{Ni, Pt, dta} = \text{CH}_3\text{CS}_2^-$)**
H. Kitagawa, T. Sonoyama, T. Mitani, M. Seto, Y. Maeda,

Synthetic Metals, **103**, 2159-2160 (1999).

- 59. Syntheses and Physical Properties of Quasi-One-Dimensional Halogen-Bridged Cu^{II}-Pt^{IV} Mixed-Metal MX-Chain Compounds**
T. Kawashima, T. Manabe, M. Yamashita, K. Toriumi, H. Kitagawa, T. Mitani, H. Okamoto, K. Inoue, Y. Hosokoshi, M. Shiro,
Synthetic Metals, **103**, 2648-2649 (1999).
- 60. Charge Fluctuation in MMX Chain Compounds, R₄[Pt₂(pop)₄I]**
M. Yamashita, S. Miya, T. Kawashima, T. Manabe, T. Sonoyama, H. Kitagawa, T. Mitani,
Synthetic Metals, **103**, 2164-2165 (1999).
- 61. Valence Transition with Charge Ordering in a Conductive MMX-Chain Complex**
H. Kitagawa, T. Mitani,
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- 62. Electronic Structures of Quasi-One-dimensional Halogen-Bridged Ni^{III} Complexes with Strong Electron-Correlations**
M. Yamashita, T. Manabe, T. Kawashima, H. Okamoto, H. Kitagawa,
Coord. Chem. Rev., **190-192**, 309-330 (1999).
- 63. Temperature Dependence of Raman Scattering in K₃Ba₃C₆₀**
X. H. Chen, Y. M. Xiong, Z. Sun, T. Takenobu, H. Kitagawa, Y. Iwasa,
J. Phys. Condens. Matter., **11**, 8329-8340 (1999).
- 64. Valence Localization and its Ordering in a Mixed-Valence MMX-Chain Complex, Pt₂(dta)₄I (dta = CH₃CS₂⁻)**
H. Kitagawa, N. Onodera, T. Mitani,
Mol. Cryst. Liq. Cryst., **342**, 111-120 (2000).
- 65. Halide-Bridged Zigzag Chain of Tetrakis(acetamidato)dirhodium Cationic Radical Assisted by Hydrogen Bond**
Z. Yang, T. Fujinami, M. Ebihara, K. Nakajima, H. Kitagawa, T. Kawamura,
Chemistry Letters, 1006-1007 (2000).
- 66. Charge Fluctuation in Quasi-One-Dimensional Halogen-Bridged Platinum Binuclear Mixed-Valence Compounds, A₄[Pt₂(pop)₄I]•nH₂O**
T. Kawashima, S. Miya, T. Manabe, M. Yamashita, K. Takizawa, T. Ishii, H. Matsuzaka, T. Sonoyama, H. Kitagawa, T. Mitani, H. Matsuzaki, H. Kishida, H. Okamoto, R. Ikeda,
Mol. Cryst. Liq. Cryst., **342**, 145-150 (2000).
- 67. An Unusual Six-Coordinate Platinum(II) Complex Containing A Neutral I₂ Ligand,**
R. Makiura, I. Nagasawa, N. Kimura, S. Ishimaru, H. Kitagawa, R. Ikeda,
Chemical Communications, **17**, 1642-1643 (2001).
- 68. Syntheses and Physical Properties of Quasi-One-Dimensional Halogen-Bridged Cu^{II}-Pt^{IV} Mixed-Metal Complexes, [Cu(chxn)₂][PtX₂(chxn)₂]X₄**
T. Kawashima, K. Takai, H. Aso, T. Manabe, H. Miyasaka, H. Matsuzaka, M. Yamashita, H. Okamoto, H. Kitagawa, M. Shiro, K. Toriumi,
Inorganic Chemistry, **40**, 6651-6655 (2001).
- 69. A Novel Charge-Transfer Complex of TTF Having Uracil Moiety with TCNQ**
S. Maki, Y. Morita, H. Kitagawa, T. Mitani, K. Nakasuji,
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- 70. Hydrogen-Induced Properties of Copper Coordination Polymer: catena-μ-N, N'-bis-(hydroxyethyl)dithiooxamidatocopper(II)**
M. Fujishima, S. Kanda, T. Mitani, H. Kitagawa,

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- 71. Syntheses and Physical Properties of Quasi-One-Dimensional Chloro-Bridged Ni-Pd Mixed-Metal MX-Chain Compounds, $\text{Ni}_{1-x}\text{Pd}_x(\text{chxn})_2\text{Cl}_3$**
T. Manabe, T. Kawashima, T. Ishii, H. Matsuzaka, M. Yamashita, K. Marumoto, H. Tanaka, S. Kuroda, H. Kitagawa, T. Mitani, H. Okamoto,
Synthetic Metals, **116**, 415-418 (2001).
- 72. Metallic Behavior and Periodical Valence-Ordering in an MMX Chain Compound, $\text{Pt}_2(\text{EtCS}_2)_4\text{I}$**
M. Mitsumi, T. Murase, H. Kishida, T. Yoshinari, Y. Ozawa, K. Toriumi, T. Sonoyama, H. Kitagawa, T. Mitani,
J. Am. Chem. Soc., **123**, 11179-11192 (2001).
- 73. Low-Temperature X-Ray Single-Crystal Analysis of a Conductive Mixed-Valence MMX-Chain System, $\text{Pt}_2(\text{dta})_4\text{I}$ ($\text{dta} = \text{CH}_3\text{CS}_2^-$)**
H. Kitagawa, S. Nakagami, T. Mitani,
Synthetic Metals, **116**, 401-404 (2001).
- 74. Heat Capacity of the Halogen-Bridged Mixed-Valence Complex $\text{Pt}_2(\text{dta})_4\text{I}$ ($\text{dta} = \text{CH}_3\text{CS}_2^-$)**
Y. Miyazaki, Qi Wang, A. Sato, K. Saito, M. Yamamoto, H. Kitagawa, T. Mitani, M. Sorai,
J. Phys. Chem., **106**, 197-202 (2002).
- 75. Structural Phase Transition and Valence Fluctuation Observed in a New MMX Chain Compound, $\text{Pt}_2(n\text{-PrCS}_2)_4\text{I}$**
M. Mitsumi, S. Umebayashi, Y. Ozawa, K. Toriumi, H. Kitagawa, T. Mitani,
Chemistry Letters, 258-259 (2002).
- 76. Hydrogen-Bonded Charge-Transfer Complexes of TTF Containing a Uracil Moiety: Crystal Structures and Electronic Properties of the Hydrogen Cyanilate and TCNQ Complexes**
Y. Morita, S. Maki, M. Ohmoto, H. Kitagawa, T. Okubo, T. Mitani, K. Nakasuji,
Organic Letters, **4**, 2185-2188 (2002).
- 77. Complex Formation of Ethylenedioxyethylenedithiotetrathiafulvalene (EDOEDT-TTF: EOET) and Its Self-Assembling Ability**
G. Saito, H. Sasaki, T. Aoki, Y. Yoshida, A. Otsuka, H. Yamochi, O. Drozdova, K. Yakushi, H. Kitagawa,
J. Mater. Chem., **12**, 1640-1649 (2002).
- 78. Spin Structure and Dynamics in a Spin 1/2 One Dimensional Antiferromagnet, $[\text{NiBr}(\text{chxn})_2]\text{Br}_2$ (chxn : 1*R*, 2*R*-cyclohexanediamine)**
S. Takaishi, M. Kano, H. Kitagawa, Y. Furukawa, K. Kumagai, R. Ikeda,
Chemistry Letters, 856-857 (2002).
- 79. Valence-Ordering Structures and Magnetic Behavior of Metallic MMX Chain Compounds**
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