

研究業績リスト

— 査読論文 —

- (1) “Reactivities of the coordinated organonitriles in molybdenum(0) and tungsten(0) phosphine complexes: protonation of the nitrile carbon and cleavage of the C≡N triple bond”
Seino, Hidetake; Tanabe, Yoshiaki; Ishii, Youichi; Hidai, Masanobu
Inorganica Chimica Acta, **280** (1–2), 163–171 (December, 1998).
- (2) “Rh₄S₇ and Ir₃CuS₆ Clusters with Di- and Trisulfido Ligands Derived from Dinuclear Hydrogensulfido Complexes”
Kochi, Takuya; Tanabe, Yoshiaki; Tang, Zhen; Ishii, Youichi; Hidai, Masanobu
Chemistry Letters, **28** (12), 1279–1280 (December, 1999).
- (3) “Reaction Mechanism of the C≡N Triple Bond Cleavage of β -Ketonitriles on a Molybdenum(0) Center”
Tanabe, Yoshiaki; Seino, Hidetake; Ishii, Youichi; Hidai, Masanobu
Journal of the American Chemical Society, **122** (8), 1690–1699 (March, 2000).
- (4) “Syntheses and Skeletal Transformations of NCNH- and NCN-Bridged Tetrairidium(III) Cages”
Tanabe, Yoshiaki; Kuwata, Shigeki; Ishii, Youichi
Journal of the American Chemical Society, **124** (23), 6528–6529 (June, 2002).
- (5) “A Cyanamido-Bridged Diiridium Complex: A Reactive Building Block for Polynuclear Cyanamido Complexes”
Kajitani, Hidetake; Tanabe, Yoshiaki; Kuwata, Shigeki; Iwasaki, Masakazu; Ishii, Youichi
Organometallics, **24** (10), 2251–2254 (May, 2005).
- (6) “Electrophilic O-Methylation of a Terminal Nitrosyl Ligand Attained by an Early–Late Heterobimetallic Effect”
Arashiba, Kazuya; Matsukawa, Shoji; Kuwata, Shigeki; Tanabe, Yoshiaki; Iwasaki, Masakazu; Ishii, Youichi
Organometallics, **25** (3), 560–562 (February, 2006).
- (7) “Observation of the New $\kappa^2\text{C}_2\text{O}:\kappa^2\text{C}'\text{O}'$ Coordination Mode of 1,1,2,2-Tetraacetyleneethanato Ligand in a Dinuclear 1,1,1,5,5,5-Hexafluoroacetylacetoneato

Palladium(II) Complex”

Fukuda, Yutaka; Sakumoto, Maiko; Tanabe, Yoshiaki; Ishii, Youichi; Suzuki, Wakako; Nakao, Akiko

Chemistry Letters, **35** (8), 936–937 (August, 2006).

- (8) “Highly Phosphorescent Iridium Complexes Containing Both Tridentate Bis(benzimidazolyl)-benzene or -pyridine and Bidentate Phenylpyridine: Synthesis, Photophysical Properties, and Theoretical Study of Irbis(benzimidazolyl)benzene Complex” Obara, Shinya; Itabashi, Masumi; Okuda, Fumio; Tamaki, Satoru; Tanabe, Yoshiaki; Ishii, Youichi; Nozaki, Koichi; Haga, Masa-aki

Inorganic Chemistry, **45** (22), 8907–8921 (October, 2006).

- (9) “Syntheses and properties of NCN-bridged tri- and tetranuclear complexes of cobalt and rhodium”

Takahata, Keiichi; Iwadate, Noriyuki; Kajitani, Hidenobu; Tanabe, Yoshiaki; Ishii, Youichi
Journal of Organometallic Chemistry, **692** (1–3), 208–216 (January, 2007).

- (10) “Synthesis and Reactivities of Sulfido-bridged Ir–W and Ir–Re Heterodinuclear Complexes with Imido Ligands”

Arashiba, Kazuya; Tanabe, Yoshiaki; Ishii, Youichi

Chemistry Letters, **36** (5), 622–623 (May, 2007).

- (11) “Synthesis and reactivities of a bis(cyanamido)-capped triruthenium complex”

Tanabe, Yoshiaki; Kajitani, Hidenobu; Iwasaki, Masakazu; Ishii, Youichi

Dalton Transactions, **2007** (41), 4701–4707 (November, 2007).

- (12) “Ruthenium-Catalyzed Vinylic Substitution Reactions with Nucleophiles via Butatrienyldene Intermediates”

Yamauchi, Yoshihiro; Yuki, Masahiro; Tanabe, Yoshiaki; Miyake, Yoshihiro; Inada, Youichi; Uemura, Sakae; Nishibayashi, Yoshiaki

Journal of the American Chemical Society, **130** (10), 2908–2909 (March, 2008).

- (13) “Synthesis and diastereoselective ligand substitution reaction of a mono(sulfido)-bridged Ir–Mo heterodinuclear complex”

Arashiba, Kazuya; Matsukawa, Shoji; Tanabe, Yoshiaki; Kuwata, Shigeki; Ishii, Youichi

Inorganic Chemistry Communications, **11** (5), 587–589 (May, 2008).

- (14) “Synthesis, Structures, and Properties of Group 9– and Group 10–Group 6 Heterodinuclear Nitrosyl Complexes”

Arashiba, Kazuya; Iizuka, Hidetaka; Matsukawa, Shoji; Kuwata, Shigeki; Tanabe, Yoshiaki; Iwasaki, Masakazu; Ishii, Youichi
Inorganic Chemistry, 47 (10), 4264–4274 (May, 2008).

- (15) “Synthesis of Optically Active *N,N,N',N'*-Tetraphenyl-1,1'-binaphthyl-2,2'-diamine Derivatives as Analogues of BINAP”
Matsuzawa, Hiroshi; Tanabe Yoshiaki; Miyake, Yoshihiro; Nishibayashi, Yoshiaki
Organometallics 27 (15), 4021–4024 (August, 2008).
- (16) “Syntheses and Phosphorescent Properties of Blue Emissive Iridium Complexes with Tridentate Pyrazolyl Ligands”
Yang, Lifen; Okuda, Fumio; Kobayashi, Katsuaki; Nozaki, Koichi; Tanabe, Yoshiaki; Ishii, Youichi; Haga, Masa-aki
Inorganic Chemistry, 47 (16), 7154–7165 (August, 2008).
- (17) “Synthesis and Reactivity of Hybrid Phosphido- and Thiolato-Bridged Diruthenium Complexes”
Miyake, Yoshihiro; Endo, Satoshi; Yuki, Masahiro; Tanabe, Yoshiaki; Nishibayashi, Yoshiaki
Organometallics, 27 (22), 6039–6042 (November, 2008).
- (18) “Formation of Vinylidenes from Internal Alkynes at a Cyclotriphosphato Ruthenium Complex”
Ikeda, Yousuke; Yamauchi, Takafumi; Kanao, Keiichiro; Kimura, Kazuhiro; Kamimura, Sou; Mutoh, Yuichiro; Tanabe, Yoshiaki; Ishii, Youichi
Journal of the American Chemical Society, 130 (50), 16856–16857 (December, 2008).
- (19) “Core Expansion Reactions of Cyanamido-bridged Polynuclear Iridium Complexes”
Imaji, Makoto; Tanabe, Yoshiaki; Mutoh, Yuichiro; Ishii, Youichi
Inorganic Chemistry, 48 (2), 773–780 (January, 2009).
- (20) “Remarkable Effect of Halogens on Catalytic Activities of Thiolato-Bridged Diruthenium Complexes in Propargylic Substitution Reactions”
Tanabe, Yoshiaki; Kanao, Keiichiro; Miyake, Yoshihiro; Nishibayashi, Yoshiaki
Organometallics, 28 (4), 1138–1142 (February, 2009).
- (21) “Intramolecular Edge-to-Face Aromatic π – π Interaction in Optically Active Ruthenium–Allenylidene Complexes for Enantioselective Propargylic Substitution Reactions”

Kanao, Keiichiro; Tanabe, Yoshiaki; Miyake, Yoshihiro; Nishibayashi, Yoshiaki
Organometallics, 29 (10), 2381–2384 (May, 2010).

- (22) “Copper-Catalyzed Enantioselective Propargylic Amination of Propargylic Esters with Amines: Copper-Allenylidene Complexes as Key Intermediates”
Hattori, Gaku; Sakata, Ken; Matsuzawa, Hiroshi; Tanabe, Yoshiaki; Miyake, Yoshihiro; Nishibayashi, Yoshiaki
Journal of the American Chemical Society, 132 (30), 10592–10608 (August 2010).

— 総説・解説 —

- (1) “Chemistry of Transition-metal Cyanamido Complexes (遷移金属シアナミド錯体の化学)”
Tanabe, Yoshiaki; Ishii, Youichi
Bulletin of the Japan Society of Coordination Chemistry (錯体化学会誌), 48, 59–68 (2006 年 11 月).

- (2) “アンモニアによるエネルギー問題の解決—ハーバー・ボッシュ法に代わる新しい窒素固定法の開発を目指して”
田辺資明; 三宅由寛; 西林仁昭
配管技術, 51 (13), 7–13 (2009 年 11 月).

— 大学紀要 (査読有) —

- (1) “Structures and Properties of Ruthenium, Rhodium, and Iridium Complexes with a Trimetaphosphimato Ligand (トリメタホスフィマト配位子を有するルテニウム、ロジウム、イリジウム錯体の構造と性質)”
Kamimura, Sou; Iida, Takuya; Kanao, Keiichiro; Nogawa, Chigusa; Tanabe, Yoshiaki; Ohishi Katsuyoshi; Fukuzawa, Shin-ichi; Ishii, Youichi
Journal of the Institute of Science and Engineering. Chuo University (中央大学理工学部論文集), 11, 1–10 (March, 2006).