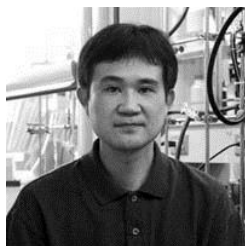


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主な著書、論文

- Takashi Mizuno, Yoshihiro Oonishi, Masanori Takimoto, Yoshihiro Sato; Total Synthesis of (-)-Corynantheidine by Nickel-Catalyzed Carboxylative Cyclization of Enynes. **Eur. J. Org. Chem.** **2011**, 2606-2609.
- Masanori Takimoto, Mitsunobu Kawamura, Miwako Mori and Yoshihiro Sato; Nickel-Promoted Carboxylation/Cyclization Cascade of Allenyl Aldehyde Under an Atmosphere of CO₂. **Synlett** **2011**, 1423-1426.
- Kazuya Shimizu, Masanori Takimoto, Yoshihiro Sato, and Miwako Mori; Total synthesis of (±)-erythrocarine using dienyne metathesis. **J. Organomet. Chem.** **2006**, 691, 5466-5475.
- Kazuya Shimizu, Masanori Takimoto, Miwako Mori, and Yoshihiro Sato*; Effective synthesis of

tamoxifen using nickel-catalyzed arylative carboxylation. **Synlett** **2006**, 3182-3184

- Masanori Takimoto, Takashi Mizuno, Miwako Mori, and Yoshihiro Sato; Nickel-mediated cyclization of enynes under an atmosphere of carbon dioxide. **Tetrahedron** **2006**, *62*, 7589-7597.
- Masanori Takimoto, Yuuki Kajima, Yoshihiro Sato, and Miwako Mori; Nickel-Catalyzed Enantioselective Three-Component Coupling of Bis-1,3-dienes, aldehyde, and Dimethylzinc. **J. Org. Chem.** **2005**, *70*, 8605-8608.
- Masanori Takimoto, Mitsunobu Kawamura, Miwako Mori, and Yoshihiro Sato; Nickel-Catalyzed Regio- and Stereoselective Double Carboxylation of Trimethylsilyllallene under an Atmosphere of Carbon Dioxide and Its Application to the Synthesis of Chaetomelic Acid A Anhydride. **Synlett** **2005**, 2019-2022.
- Masanori Takimoto, Takashi Mizuno, Yoshihiro Sato, and Miwako Mori; Nickel-mediated carboxylative cyclization of enynes. **Tetrahedron Lett.** **2005**, *46*, 5173-5176.
- Kazuya Shimizu, Masanori Takimoto, Yoshihiro Sato, and Miwako Mori; Nickel-Catalyzed Regioselective Synthesis of Tetrasubstituted Alkene Using Alkylative Carboxylation of Disubstituted Alkyne. **Org. Lett.** **2005**, *7*, 195-197.
- Masanori Takimoto, Yoichi Nakamura, Kaoru Kimura, and Miwako Mori; Highly Enantioselective Catalytic Carbon Dioxide Incorporation Reaction: Nickel-Catalyzed Asymmetric Carboxylative Cyclization of Bis-1,3-dienes. **J. Am. Chem. Soc.** **2004**, *126*, 5956-5957.
- Masanori Takimoto, Mitsunobu Kawamura, and Miwako Mori; Nickel-Mediated Regio- and Stereoselective Carboxylation of Trimethylsilyllallene under an Atmosphere of Carbon Dioxide. **Synthesis** **2004**, 791-795.
- Masanori Takimoto, Mitsunobu Kawamura, and Miwako Mori; Nickel(0)-Mediated Sequential Addition of Carbon Dioxide and Aryl Aldehydes into Terminal Allenes. **Org. Lett.** **2003**, *5*, 2599-2601.
- Kazuya Shimizu, Masanori Takimoto, and Miwako Mori; Novel Synthesis of Heterocycles Having a Functionalized Carbon Center via Nickel-Mediated Carboxylation. **Org. Lett.** **2003**, *5*, 2323-2325.
- Miwako Mori, Nozomi Saito, Daisuke Tanaka, Masanori Takimoto, and Yoshihiro Sato; Novel Alkenylative Cyclization Using a Ruthenium Catalyst. **J. Am. Chem. Soc.** **2003**, *125*, 5606-5607.
- Masanori Takimoto and Miwako Mori; Novel Catalytic CO₂ Incorporation Reaction: Nickel-Catalyzed Regio- and Stereoselective Ring-Closing Carboxylation of Bis-1,3-dienes. **J. Am. Chem. Soc.** **2002**, *124*, 10008-10009.
- Masanori Takimoto, Kazuya Shimizu, and Miwako Mori; Nickel-Promoted Alkylative or Arylative Carboxylation of Alkynes. **Org. Lett.** **2001**, *3*, 3345-3347.
- Masanori Takimoto and Miwako Mori; Cross-Coupling Reaction of Oxo- π -allylnickel Complex Generated from 1,3-Diene under an Atmosphere of Carbon Dioxide. **J. Am. Chem. Soc.** **2001**, *123*, 2895-2896.
- Miwako Mori, Yuji Kozawa, Mayumi Nishida, Makiko Kanamaru, Seiko Onozuka, and Masanori Takimoto; Synthesis of Carbapenam Skeletons Using a Ruthenium-Catalyzed Cyclization. **Organic Letters** **2000**, *2*, 3245-3247.
- Yoshihiro Sato, Masanori Takimoto, and Miwako Mori; Total Synthesis of Prostaglandin F_{2 α} Using Nickel-Catalyzed Stereoselective Cyclization of 1,3-Diene and Tethered Aldehyde via Transmetalation of Nickelacycle with Diisobutylaluminum Acetylacetonate. **Chem Pharm.**

Bull. 2000, 48, 1753-1760.

- Yoshihiro Sato, Masanori Takimoto, and Miwako Mori; Further Studies on Nickel-Promoted or -Catalyzed Cyclization of 1,3-Diene and a Tethered Carbonyl Group. **J. Am. Chem. Soc.** **2000**, 122, 1624-1634.
- Masanori Takimoto, Yoshiko Hiraga, Yoshihiro Sato, and Miwako Mori; Nickel-Catalyzed Regio- and Stereoselective Synthesis of Homoallyl Alcohol Derivatives from Diene and Aldehyde. **Tetrahedron Lett.** **1998**, 39, 4543-4546.
- Yoshihiro Sato, Masanori Takimoto, and Miwako Mori; Total Synthesis of Prostaglandin F_{2α} via Nickel-Promoted Stereoselective Cyclization of 1,3-Diene and Aldehyde. **Synlett** **1997**, 734-736.
- Yoshihiro Sato, Masanori Takimoto, and Miwako Mori; Remarkable Regio-Controlled Effect of 1,3-Diene as a Ligand on Nickel-Promoted Cyclization. **Tetrahedron Lett.** **1996**, 37, 887-890
- Yoshihiro Sato, Masanori Takimoto, and Miwako Mori; Novel Stereoselective Cyclization via π-Allylnickel Complex Generated from 1,3-Diene and Hydride Nickel Complex. **J. Am. Chem. Soc.** **1994**, 116, 9771-9772
- Masanori Takimoto and Miwako Mori; Nickel-mediated and -catalyzed Carboxylation. In *Modern Organonickel Chemistry*; Yoshinao Tamaru Ed.; Wiley-VCH: Weinheim, 2005, pp 205-223.
- 瀧本 真徳; "遷移金属触媒を利用した二酸化炭素による不飽和有機物のカルボキシル化反応", **有機合成化学協会誌**, **2013**, 71, 1020-1032
- Miwako Mori, Yuji Kozawa, and Masanori Takimoto; Novel Synthesis of Carbapenams Using Transition Metals. **有機合成化学協会誌** **2003**, 61, 1065-1072.
- 佐藤 美洋, 瀧本 真徳, 森 美和子; ニッケル触媒を用いる 1,3-ジエンとカルボニル基との立体選択的環化反応の開発と有機合成への応用. **有機合成化学協会誌** **2001**, 59, 576-588.