研究業績リスト（寺田眞浩）

＜原著論文（**Communication & Full Paper**）＞

1 Asymmetric Glyoxylate-Ene Reaction Catalyzed by Chiral Titanium Complexes: A Practical Access to α-Hydroxy Esters in High Enantiomeric Purities
K. Mikami, M. Terada, T. Nakai
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2 Various Chiral Dialkoxy Titanium Complexes as an Asymmetric Catalyst for Glyoxylate-Ene Reaction
K. Mikami, M. Terada, T. Nakai
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3 Catalytic Asymmetric Glyoxylate-Ene Reaction: A Practical Access to α-Hydroxy Esters in High Enantiomeric Purities
K. Mikami, M. Terada, T. Nakai
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5 Remarkable Positive Nonlinear Effect in the Enantioselective Glyoxylate-Ene Reaction Catalysed by a Chiral Titanium Complex
M. Terada, K. Mikami, T. Nakai
J. Chem. Soc., Chem. Commun., 1623-1624 (1990).

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Tetrahedron Lett., **32**, 935-938 (1991).

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10 Unique Catalysis by Eu(dppm)$_3$: Catalytic Molecular Recognition in Aldol and Michael Reactions
K. Mikami, M. Terada, T. Nakai
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11 Lanthanide(III) Catalyzed Aldol Reactions of Glyceraldehyde Acetonide with Ketene Silyl Acetals: Catalytic Asymmetric Route to Mono-saccharides
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12 Chiral Titanium Complex-Catalyzed Carbonyl-Ene Reaction with Glyoxylate: Remarkable Positive Nonlinear Effect
K. Mikami, M. Terada
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13 Stereo-Modulating Catalysis by Europium(III) Complexes in Aldol Reactions of Chiral α-Alkoxy Aldehydes with Ketene Silyl Acetals
M. Terada, J.-H. Gu, D. C. Deka, K. Mikami, T. Nakai
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14 Asymmetric Desymmetrization by Enantioselective Catalysis of Carbonyl-Ene Reaction: Remote Internal Asymmetric Induction
K. Mikami, S. Narisawa, M. Shimizu, M. Terada
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15 Unique Stereocontrol in Lanthanide(III)-Catalyzed Aldol Reactions with the Ketene Silyl Acetal of (*R*)-3-Hydroxybutanotoate
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16 Unique Stereocontrol in Europium(III)-Catalyzed Cyanosilylation of Chiral α-Alkoxy and α-Amino Aldehydes
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M. Terada, K. Mikami
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26 An Europium(III) Complex As an Efficient Catalyst for the Michael Reaction of α,β-Enones with Ketene Silyl Acetals: LIS-NMR Analysis for the Transition State through Complexation between Europium (III) Catalyst and Enones
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M. Terada, N. Sayo, K. Mikami

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29 Periselective and Enantioselective Carbonyl-Ene Reaction of Isoprene with Fluoroalkyl Glyoxylate Catalyzed by Modified Binaphthol-Titanium Complex: Asymmetric Catalytic Synthesis of Enantiomerically Pure Ipsdienol
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T. Volk, T. Korenaga, S. Matsukawa, M. Terada, K. Mikami
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46 Highly Efficient and Practical Optical Resolution of 2-Amino-2'-hydroxy-1,1'-binaphthyl by Molecular Complexation with N-Benzylcinchonidium Chloride: A Direct Transformation to Binaphthyl Amino Phosphine
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＜特許＞

1 （発明の名称）Production of optically active alpha-hydroxy carboxylates from olefins and glyoxylates using binaphthol-titanium catalysts.
（発明者）三上幸一、寺田眞浩、中井武、佐用昇、雲林秀徳
（出願者）高砂香料工業株式会社
（公開番号）Eur. Pat. Appl. (1990), EP-A2-1990458503

2 （発明の名称）Preparation of 5,6-2H-dihydropyran-6-carboxylic acid derivatives by stereoselective cycloaddition of butadienes with glyoxylic acid esters.
（発明者）三上幸一、寺田眞浩、中井武、佐用昇
（出願者）高砂香料工業株式会社
（公開番号）特開１９９２－５３１０６８

3 （発明の名称）Process for producing optically active dihydropyran derivative.
（発明者）三上幸一、寺田眞浩、中井武、佐用昇
（出願者）高砂香料工業株式会社
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4 （発明の名称）Process and catalysts for preparing optically active beta-hydroxyketones.
（発明者）K. Mikami, S. Matsukawa, M. Shimizu, M. Terada, N. Sayo
（出願者）高砂香料工業株式会社
（公開番号）Eur. Pat. Appl. (1994), EP-A1-1995758610

5 （発明の名称）Preparation of optically active halo hydroxy olefins.
（発明者）三上幸一、矢島智子、松川覚、寺田眞浩、丸田順道
（出願者）セントラル硝子株式会社
（公開番号）特開１９９５－２４９０３５

6 （発明の名称）Manufacture of optically active halogenated hydroxy carbonyl compounds.
（発明者）三上幸一、矢島智子、松川覚、寺田眞浩、丸田順道
（出願者）セントラル硝子株式会社
（公開番号）特開１９９５－２７５３８０

7 （発明の名称）Manufacture of polyfluoral and polychloral by using titanium complex

catalysts.
（発明者）三上幸一、大澤紋子、矢島智子、寺田眞浩
（出願者）セントラル硝子株式会社
（公開番号）特開１９９７－６１８８００

8　（発明の名称）Process for producing optically active alcohols by catalytic hydrogenation of ketones
（発明者）R. Noyori, K. Mikami, T. Ohkuma, M. Terada, H. Doucet, T. M. Pham, C. Trang, T. Korenaga, M. Ito, N. Sayou
（出願者）高砂香料工業株式会社
（公開番号）Eur. Pat. Appl.　(1999), EP-A1-19990317

9　（発明の名称）Method for producing palladium complex compound
（発明者）T. Kume, S. Narizuka, M. Koide, K. Mikami, M. Hatano, M. Terada, M. Ishida, Y. Morino
（特許出願人）セントラル硝子株式会社
（公開番号）Eur. Pat. Appl. (2000), EP-A2-001008601

10　（発明の名称）パラジウム錯化合物
（発明者）三上幸一、波多野学、寺田眞浩、久米孝司
（特許出願人）セントラル硝子株式会社
（公開番号）特開２００１－１３９５８８

11　（発明の名称）フッ素化剤および１－アルコキシ－２，３エポキシ化合物への求核的開環フッ素化による１－アルコキシ－２－フルオロ－３－ヒドロキシ化合物の製造方法
（発明者）三上幸一、大場志保、大村浩文、寺田眞浩
（特許出願人）セントラル硝子株式会社
（公開番号）特開２００２－３３８５０８

12　（発明の名称）アミン類の製造法
（発明者）寺田眞浩、浦口大輔、反町啓一、清水英雄
（特許出願人）高砂香料工業株式会社
（国際出願番号）PCT/JP2005/000962
（国際出願日）2005 年 1 月 26 日
（国際公開番号）WO 2005/070875 A1
（国際公開日）2005 年 8 月 4 日

13　（発明の名称）グアニジン化合物及びそれを用いる不斉反応（A 出願）
（発明者）寺田眞浩・宇部仁士・横山滋子・清水英雄
（特許出願人）高砂香料工業株式会社
（国際出願番号）PCT/JP2005/001943
（国際出願日）2005 年 2 月 9 日
（国際公開番号）WO 2005/077908 A1

（国際公開日）2005 年 8 月 25 日

14 （発明の名称）グアニジン化合物及びそれを用いる不斉反応（B 出願）
（発明者）寺田眞浩・宇部仁士・清水英雄
（特許出願人）高砂香料工業株式会社
（国際出願番号）PCT/JP2005/001944
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（国際公開番号）WO 2005/077921 A1
（国際公開日）2005 年 8 月 25 日

＜総説、解説＞

1 カルボニル−エン反応：新しい鎖状立体制御法 (Carbonyl-Ene Reaction: An Emerging Tool for Acyclic Stereocontrol)
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K. Mikami, M. Terada, T. Nakai
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