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発表論文等（論文，著書，総説等の発表状況）

- (1) Catalytic Asymmetric Construction of the 7-*exo*-Aryl-6,8-dioxabicyclo[3.2.1]octane Framework of Psoracorylifols B and C Using a Carbonyl Ylide Cycloaddition Strategy
Kurosaki, Y.; Shimada, N.; Anada, M.; Nambu, H.; Hashimoto, S.* *Bull. Korean Chem. Soc.* (Special Issue) *in press*.
- (2) The Mukaiyama Aldol and Mukaiyama–Michael Reaction Promoted by Commercially Available Molecular Sieves
Anada, M.; Washio, T.; Watanabe, Y.; Hashimoto, S.* *Heterocycles* (Special Issue) *in press*.
- (3) Highly Enantioselective Hetero-Diels–Alder Reactions between Rawal's Diene and Aldehydes Catalyzed by Chiral Dirhodium(II) Carboxamidates
Watanabe, Y.; Washio, T.; Shimada, N.; Anada, M.; Hashimoto, S.* *Chem. Commun.* **2009**, (47), 7294–7296.
- (4) Asymmetric Synthesis of Neolignans (–)-*epi*-Conocarpan and (+)-Conocarpan via Rh(II)-Catalyzed C–H Insertion Process and Revision of the Absolute Configuration of (–)-*epi*-Conocarpan
Natori, Y.; Tsutsui, H.; Sato, N.; Nakamura, S.; Nambu, H.; Shiro, M.; Hashimoto, S.* *J. Org. Chem.* **2009**, 74 (11), 4418–4421.
- (5) Enantioselective Construction of 2,8-Dioxabicyclo[3.2.1]octane Ring System via [2,3]-Sigmatropic Rearrangement of Oxonium Ylide Using Chiral Dirhodium(II) Carboxylates
Shimada, N.; Nakamura, S.; Anada, M.; Shiro, M.; Hashimoto, S.* *Chem. Lett.* **2009**, 38 (5), 488–489.
- (6) Asymmetric Approach to the Pentacyclic Skeleton of *Aspidosperma* Alkaloids via Enantioselective Intramolecular 1,3-Dipolar Cycloaddition of Carbonyl Ylides Catalyzed by Chiral Dirhodium(II) Carboxylates
Nambu, H.; Hikime, M.; Krishnamurthi, J.; Kamiya, M.; Shimada, N.; Hashimoto, S.* *Tetrahedron Lett.* **2009**, 50 (26), 3675–3678.
- (7) Asymmetric Formal Synthesis of (–)-Pancracine via Catalytic Enantioselective C–H Amination Process
Anada, M.; Tanaka, M.; Shimada, N.; Nambu, H.; Yamawaki, M.; Hashimoto, S.* *Tetrahedron* **2009**, 65 (16), 3069–3077.
- (8) Direct and Stereoselective Synthesis of 2-Azido-2-deoxy-β-D-Mannosides Using the Phosphate Method

- Nakamura, S.; Tsuda, T.; Suzuki, N.; Hashimoto, S.* *Heterocycles* (Special Issue) **2009**, 77 (2), 843–848.
- (9) Stereocontrolled Construction of 1,2-*cis*- α -Glycosidic Linkages Using Glycosyl Diphenyl Phosphates and Synthesis of α -Galactosylceramide KRN7000
Nambu, H.; Nakamura, S.; Suzuki, N.; Hashimoto, S.*, *Trends Glycosci. Glycotechnol. in press*.
- (10) カルシウムチャンネル活性化物質ピンナトキシシン A の全合成
中村精一, 橋本俊一*, *ファルマシア*, **2009**, 45 (5), 427–432.
- (11) (-)-Polygalolides A and B
中村精一, 橋本俊一*, 天然物の全合成 2000~2008(日本), 有機合成化学協会編, 化学同人, 京都, 2009, p. 183.
- (12) (+)-Zaragozic acids A and C
橋本俊一, 天然物の全合成 2000~2008(日本), 有機合成化学協会編, 化学同人, 京都, 2009, pp. 254–255.

学会発表等 (国内外の招待講演および国際会議での発表状況)

- (1) Asymmetric Approach to the Pentacyclic Skeleton of *Aspidosperma* Alkaloids via 1,3-Dipolar Cycloaddition of Carbonyl Ylides Catalyzed by Chiral Rh(II) Complexes
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- (2) Enantioselective Hetero-Diels–Alder Reaction between Rawal’s Diene and Aldehydes Catalyzed by Chiral Dirhodium(II) Carboxamidates
Watanabe, Y.; Washio, T.; Shimada, N.; Anada, M.; Hashimoto, S.* The Eleventh International Kyoto Conference on New Aspects on Organic Chemistry (IKCOC-11), Kyoto, Japan, 2009.11.9–13 (ポスター発表) .
- (3) Immobilization of Chiral Dirhodium(II) Complex: Recyclable Catalyst for Asymmetric Intramolecular C–H Insertion Reactions
Takeda, K.; Ohara, T.; Anada, M.; Nambu, H.; Hashimoto, S.* The Eleventh International Kyoto Conference on New Aspects on Organic Chemistry (IKCOC-11), Kyoto, Japan, 2009.11.9–13 (ポスター発表) .