

平成24年度 研究業績

馬場章夫 (大阪大学大学院工学研究科、A01班 公募班員)

1. 発表論文等 (査読付き論文, 著書, 総説等の発表状況)

- (1) Synthesis of a Wide Range of Thioethers by Indium Triiodide Catalyzed Direct Coupling between Alkyl Acetates and Thiosilanes
Nishimoto, Y.; Okita, A.; Yasuda, M.; Baba, A. * *Org. Lett.* **2012**, *14*, 1846-1849.
- (2) Recognition of Aromatic Compounds by π Pocket within a Cage-Shaped Borate Catalyst
Nakajima, H.; Yasuda, M.; Takeda, R. Baba, A. * *Angew. Chem., Int. Ed.*, 3867-3870.
- (3) Direct Use of Esters in the Mukaiyama Aldol Reaction: A Powerful and Convenient Alternative to Aldehydes
Inamoto, Y.; Nishimoto, Y.; Yasuda, M.; Baba, A.* *Org. Lett.*, **2012**, *14*, 1168-1171.
- (4) Regio- and Stereoselective Carbobismuthination of Alkynes
Nishimoto, Y.; Takeuchi, M.; Yasuda, M.; Baba, A.* *Angew. Chem., Int. Ed.*, **2012**, *51*, 1051-1054.
- (5) Lithium Phenolates with A Hexagonal-prismatic Li₆O₆ Core Isolated via A Cage-shaped Tripodal Ligands System: Crystal Structures and Their Behavior in Solution
Nakajima, H.; Yasuda, M.; Baba, A. * *Dalton Trans.* **2012**, *41*, 6602-6606.
- (6) Dependence of Catalytic Properties of Indium-implanted SiO₂ Thin Films on The Energy and Dose of Incident Indium Ions
Yoshimura, S.; Kiuchi, M.; Nishimoto, Y.; Yasuda, M.; Baba, A. *; Hamaguchi, S. *Thin Solid Films* **2012**, *520*, 4894-4897.
- (7) Low Energy Metal Ion Beam Production with a Modified Freeman-Type Ion Source for Development of Novel Catalysts
Yoshimura, S.; Kiuchi, M.; Nishimoto, Y.; Yasuda, M.; Baba, A. *; Hamaguchi, S. *e-J. Surf. Sci. Nanotech.* **2012**, *10*, 139-144.
- (8) Gallium Tribromide Catalyzed Coupling Reaction of Alkenyl Ethers with Ketene Silyl Acetals
Nishimoto, Y.; Ueda, H.; Yasuda, M.; Baba, A. * *Angew. Chem. Int. Ed.* **2012**, *51*, 8073-8076.
- (9) InCl₃/Me₃SiCl-Catalyzed Direct Michael Addition of Enol Acetates to α,β -Unsaturated Ketones
Onishi, Y.; Yoneda, Y.; Nishimoto, Y.; Yasuda, M.; Baba, A. * *Org. Lett.* **2012**, *14*, 5788-5791.