AIMS AND SCOPE

Although total synthesis reached extraordinary levels of sophistication in the last century, the development of practical and efficient synthetic methodologies is still in its infancy. Achieving chemical reactions that are highly selective, economical, safe, resource- and energy-efficient, and environmentally benign is a primary challenge to chemistry in this century. Realizing this goal will demand the highest level of scientific creativity, insight and understanding in a combined effort by academic, government and industrial chemists and engineers.

Advanced Synthesis & Catalysis promotes that process by publishing high-impact research results reporting the development and application of efficient synthetic methodologies and strategies for organic targets that range from pharmaceuticals to organic materials. Homogeneous catalysis, biocatalysis, organocatalysis and heterogeneous catalysis directed towards organic synthesis are playing an ever increasing role in achieving synthetic efficiency. Asymmetric catalysis remains a topic of central importance. In addition, *Advanced Synthesis & Catalysis* includes other areas that are making a contribution to green synthesis, such as synthesis design, reaction techniques, flow chemistry and continuous processing, multiphase catalysis, green solvents, catalyst immobilization and recycling, separation science and process development.

Practical processes involve development of effective integrated strategies, from an elegant synthetic route based on mechanistic and structural insights at the molecular level through to process optimization at larger scales. These endeavors often entail a multidisciplinary approach that spans the broad fields chemistry, biology, and engineering and involve contributions from academic, government, and industrial laboratories.

The unique focus of *Advanced Synthesis & Catalysis* has rapidly made it a leading organic chemistry and catalysis journal. The goal of *Advanced Synthesis & Catalysis* is to help inspire a new era of chemical science, based on the efforts of synthetic chemists and on interdisciplinary collaboration, so that chemistry will make an even greater contribution to the quality of life than it does now.

Advanced Synthesis & Catalysis

succeeding Journal für praktische Chemie
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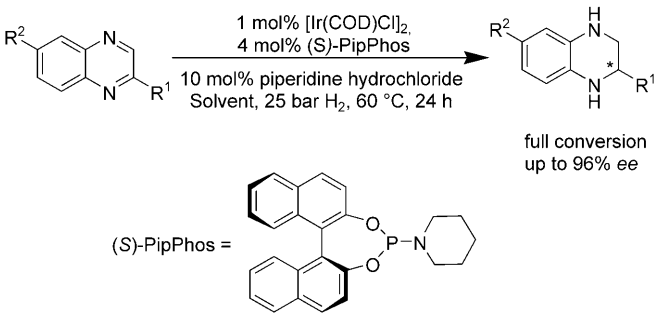
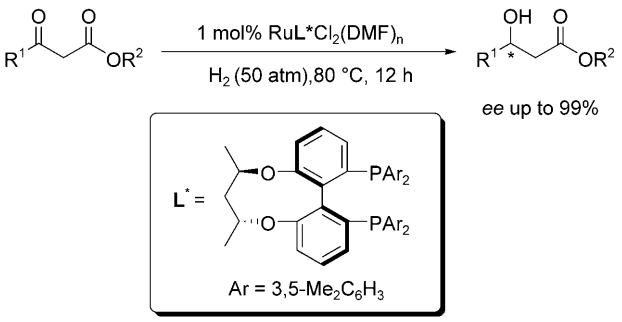
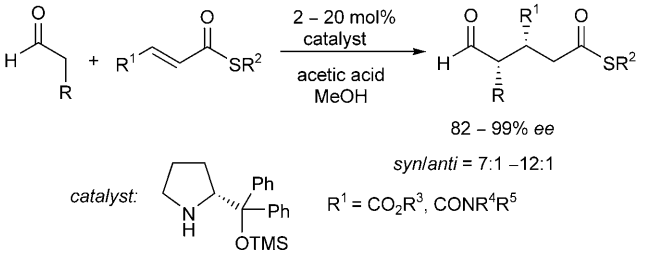
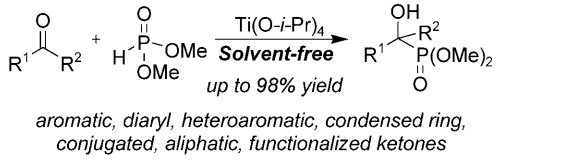
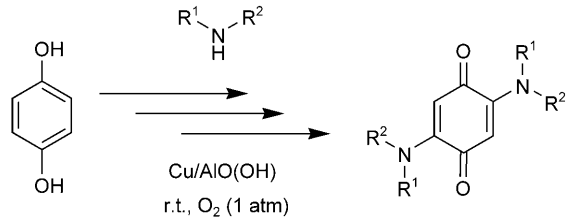
COMMUNICATIONS

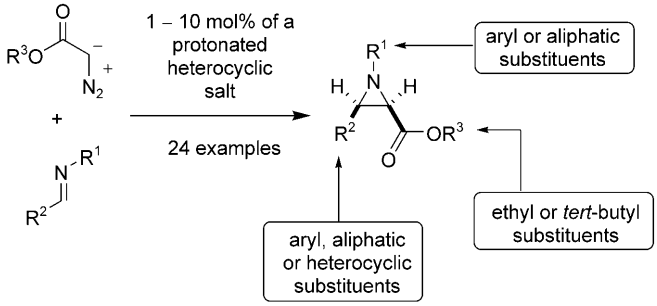


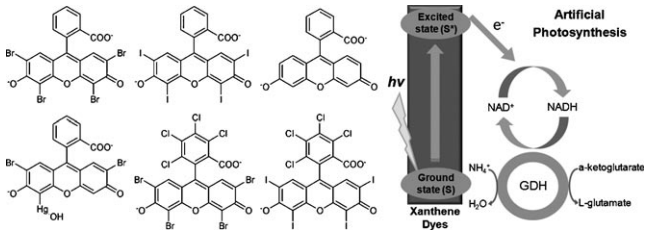




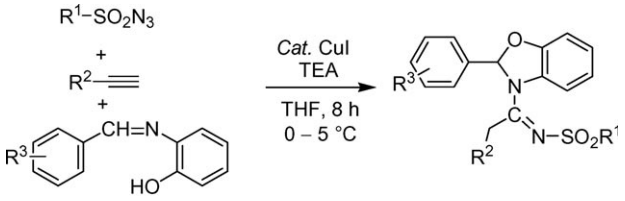


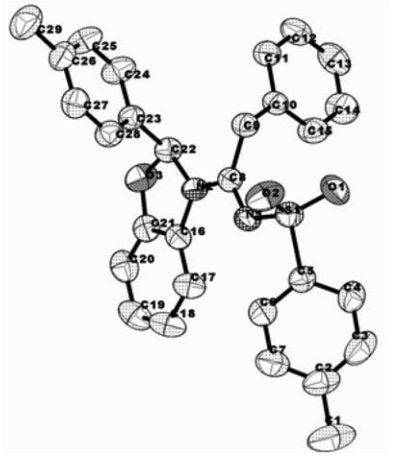




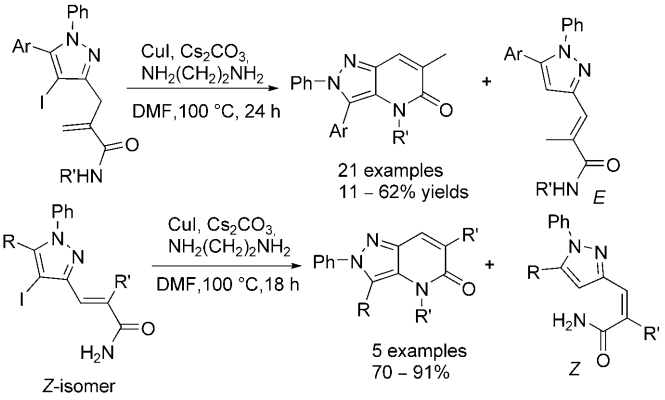


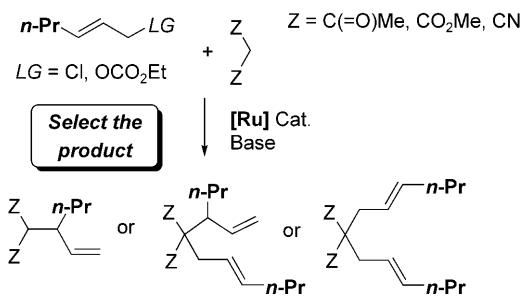
FULL PAPERS





UPDATES





CORRIGENDA

In the full paper by Feng-Quan Li, Shi Zhong, Gui Lu and Albert S. C. Chan in Issue 11 + 12, 2009, pp. 1955 – 1960 (DOI: 10.1002/adsc.200900177), the third and fourth sentences in the third paragraph on page 1955 should be corrected as follows:

old: Although several catalytic asymmetric reactions using acylsilanes have been developed,[20, 21] to the best of our knowledge, the enantioselective alkynylation of acylsilanes has not been reported so far.[22] Herein we describe for the first time the direct catalytic alkynylation of alkyl acylsilane with both aliphatic and aromatic alkynes.

new: Although several catalytic asymmetric reactions using acylsilanes have been developed,[20, 21] few reports were on the enantioselective alkynylation of acylsilanes.[19, 22] For instance, Johnson et al. described a tandem alkynylation of silylglyoxylate using chiral amino alcohol to mediate chirality transfer,[19a] Scheidt and co-workers described the asymmetric alkyne addition to acylsilane in 74% ee with tridentate Schiff base ligand.[19b] Herein we describe an effective direct alkynylation of alkyl acylsilane with both aliphatic and aromatic alkynes.

Reference 19 should be as follows:
[19] a) D. A. Nicewicz, J. S. Johnson, *J. Am. Chem. Soc.* **2005**, *127*, 6170 – 6171; b) T. E. Reynolds, A. R. Bharadwaj, K. A. Scheidt, *J. Am. Chem. Soc.* **2006**, *128*, 15382 – 15383.

In the communication by Thomas Boddaert, Yoann Coquerel, and Jean Rodriguez in Issue 11+12, 2009, pp. 1744 – 1748 (DOI: 10.1002/adsc.200900292), there were mistakes in several references. The corrected references are as follows.

[5a] A. Michaut, T. Boddaert, Y. Coquerel, J. Rodriguez, *Synthesis* **2007**, 2867 – 2871.
[5b] T. Boddaert, Y. Coquerel, J. Rodriguez, C. R. *Chim.* **2009**, *12*, 872 – 875.
[7b] S. Gessler, S. Randl, S. Blechert, *Tetrahedron Lett.* **2000**, *41*, 9973 – 9976.
[13f] E. M. Phillips, M. Wadamoto, H. S. Roth, A. W. Ott, K. A. Scheidt, *Org. Lett.* **2009**, *11*, 105 – 108.

Supporting information on the WWW (see article for access details).

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