

## New discoveries on the $\beta$ -hydride elimination

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### Abstrak

The work presented in Thomas M. Gøgsig's thesis deals with the discovery of new metal-catalyzed transformations ranging from Kumada-, Heck- and Suzuki-type reactions. The thesis starts with a formidable introduction to Pd-catalyzed cross-coupling reactions. New results have been obtained on:

- (i) Pd-catalyzed 1,2-migration reactions,
- (ii) Pd-catalyzed Heck reactions employing heteroaromatic tosylates,
- (iii) Ni-catalyzed Heck reactions, and
- (iv) Pd-catalyzed carbonylative Heck reaction.