

# Publication list Martin Klussmann

10.10.2014

## 2014

- 36). M. Scott, A. Sud, E. Boess, M. Klussmann,\*:  
Reaction Progress Kinetic Analysis of a Copper-Catalyzed Aerobic Oxidative Coupling Reaction with N-Phenyl Tetrahydroisoquinoline.  
<http://pubs.acs.org/doi/abs/10.1021/jo5018876>
- 35.) N. Gulzar, M. Klussmann\*:  
Synthesis of Antiviral Tetrahydrocarbazole Derivatives by Photochemical and Acid-Catalyzed C-H Functionalization via Intermediate Peroxides.  
<http://www.jove.com/video/51504/synthesis-antiviral-tetrahydrocarbazole-derivatives-photochemical>
- 34.) N. Gulzar, B. Schweitzer-Chaput, M. Klussmann\*:  
Oxidative coupling reactions for the functionalisation of C-H bonds using oxygen.  
*Catal. Sci. Technol.* **2014**, 4, 2778-2796.  
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- 33.) B. Schweitzer-Chaput, J. Demaerel, H. Engler, M. Klussmann\*:  
Acid Catalysed Oxidative Radical Addition of Ketones to Olefins.  
*Angew. Chem. Int. Ed.* **2014**, 53, 8737-8740.  
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*Angew. Chem.* **2014**, 126, 8882-8885.  
<http://onlinelibrary.wiley.com/doi/10.1002/ange.201401062/abstract>

## 2013

- 32.) B. Schweitzer-Chaput, A. Sud, Á. Pinter, S. Dehn, P. Schulze, M. Klussmann\*:  
Synergistic effect of ketone and hydro(gen) peroxide in Brønsted acid catalyzed oxidative coupling reactions.  
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*Angew. Chem.* **2013**, *125*, 13470-13474.

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31.) N. Gulzar, M. Klussmann\*:

Aerobic C-H Amination of Tetrahydrocarbazole Derivatives via Photochemically Generated Hydroperoxides.

*Org. Biomol. Chem.* **2013**, *11*, 4516-4520.

<http://pubs.rsc.org/en/Content/ArticleLanding/2013/OB/c3ob40919h#!divAbstract>

30.) K. M. Jones, T. Hilbringhaus, M. Klussmann\*:

A Singlet Oxygen Approach to Oxaspirocycles.

*Tetrahedron Lett.* **2013**, *54*, 3294–3297.

<http://www.sciencedirect.com/science/article/pii/S004040391300659X>

29.) B. Schweitzer-Chaput, M. Klussmann\*:

Brønsted acid-catalyzed C-H Functionalisation of N-Protected Tetrahydroisoquinolines via Intermediate Peroxides.

*Eur. J. Org. Chem.* **2013**, *4*, 666-671.

<http://onlinelibrary.wiley.com/doi/10.1002/ejoc.201201527/full>

## 2012

28.) M. Klussmann:

Chemical Models for the Origin of Biological Homochirality.

In: *Genesis - In The Beginning: Precursors of Life, Chemical Models and Early Biological Evolution. Cellular Origin, Life in Extreme Habitats and Astrobiology series*, Vol. 22 (Ed.: J. Seckbach), Springer, Berlin, **2012**, 491-507.

27.) E. Boess, C. Schmitz, M. Klussmann\*:

A Comparative Mechanistic Study of Cu-Catalyzed Oxidative Coupling Reactions with *N*-Phenyl Tetrahydroisoquinoline.

*J. Am. Chem. Soc.* **2012**, *134*, 5317-5325.

<http://pubs.acs.org/doi/abs/10.1021/ja211697s>

26.) M. Klussmann:

Mechanism in Organocatalysis.

in: *Science of Synthesis: Asymmetric Organocatalysis, Vol. 2* (Eds.: B. List, K. Maruoka), Thieme, Stuttgart, 2012, 633-671.

25.) Á. Pintér, M. Klussmann\*:

Sulfonic Acid Catalyzed Autoxidative Carbon-Carbon Coupling Reaction under Elevated Partial Pressure of Oxygen.

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24.) K. M. Jones, M. Klussmann\*:

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23.) K. M. Jones, P. Karier, M. Klussmann\*:

C1-Substituted *N*-Alkyl Tetrahydroisoquinolines through V-Catalyzed Oxidative Coupling.

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(21) E. Böß, T. Hillringhaus, J. Nitsch, M. Klussmann\*:

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*Synlett* **2010**, 2189-2192.

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(18) Á. Pintér, A. Sud, D. Sureshkumar, M. Klussmann\*:

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## 2009

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(16) Martin Klussmann:

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(15) D. Sureshkumar, A. Sud, M. Klussmann\*:

Thieme Chemistry Journal Awardees - Where Are They Now? Aerobic Oxidative Coupling of Tertiary Amines with Silyl Enolates and Ketene Acetals.

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Oxidative coupling of amines and ketones by combined vanadium- and organocatalysis.

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(9) M. Klussmann, S. P. Mathew, H. Iwamura, D. H. Wells jr., A. Armstrong, D. G. Blackmond\*:

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A mechanistic rationalization of unusual kinetic behavior in proline-mediated C-O and C-N bond forming reactions.

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