

- [663] T. Strassner, M. Mühlhofer, A. Zeller, E. Herdtweck, W. A. Herrmann, *J. Organomet. Chem.* **2004**, 689(8), 1418–1424 (The Counterion Influence of the CH-Aktivation of Methane by Palladium(II) biscarbene Complexes – Structures, Reactivity and DFT Calculations). **NH-Carbene Part 55**
- [664] J. Fridgen, W. A. Herrmann, G. Eickerling, A. M. Santos, F. E. Kühn, *J. Organomet. Chem.* **2004**, 689(17), 2752–2761 (Molybdenum(VI)-complexes with chiral N,O-ligands derived from carbohydrates: synthesis, structure and catalytic properties in asymmetric olefin epoxidation).
- [665] D. V. Deubel, G. Frenking, P. Gisdakis, W. A. Herrmann, N. Rösch, J. Sundermeyer, *Acc. Chem. Res.* **2004**, 37(9), 645–652 (Olefin Epoxidation with Inorganic Peroxides. Solutions to Four Long-Standing Controversies on the Mechanism of Oxygen Transfer).
- [666] W. A. Herrmann, S. K. Schneider, K. Öfele, M. Sakamoto, E. Herdtweck, *J. Organomet. Chem.* **2004**, 689(15), 2441–2449 (First Silver Complexes of Tetrahydropyrimid-2-ylidenes). **NH-Carbene Part 56**
- [667] J. Schütz, W. A. Herrmann, *J. Organomet. Chem.* **2004**, 689(19), 2995–2999 (Purine-based carbenes at rhodium and iridium). **NH-Carbene Part 57**
- [668] J. J. Haider, R. M. Kratzer, W. A. Herrmann, J. Zhao, F. E. Kühn, *J. Organomet. Chem.* **2004**, 689(23), 3735–3740 (On the way to chiral epoxidations with methyltrioxorhenium(VII) derived catalysts).
- [669] F. E. Kühn, A. Scherbaum, W. A. Herrmann, *J. Organomet. Chem.* **2004**, 689(24), 4149–4164 (Methyltrioxorhenium and its applications in olefin oxidation, metathesis and aldehyde olefination).
- [670] J. Schütz, E. Herdtweck, W. A. Herrmann, *Organometallics* **2004**, 23(26), 6084–6086 (Synthesis and Catalytic Application of Palladium Pyrazolin-3-ylidene Complexes). **NH-Carbene Part 58**
- [671] W. A. Herrmann, *J. Organomet. Chem.* **2004**, 689(24), 3855–3856 (Editorial – 40<sup>th</sup> Birthday of the Journal of Organometallic Chemistry (JOM)).
- [672] B. Cornils, W. A. Herrmann, in *Aqueous-Phase Organometallic Catalysis Concepts and Applications* (Eds. B. Cornils, W. A. Herrmann), 2<sup>nd</sup> ed., Wiley-VCH Weinheim **2004**, 3–24 (Introduction).
- [673] W. A. Herrmann, F. E. Kühn, in *Aqueous-Phase Organometallic Catalysis Concepts and Applications* (Eds. B. Cornils, W. A. Herrmann), 2<sup>nd</sup> ed., Wiley-VCH Weinheim **2004**, 44–56 (Organometallic Chemistry in Water).

- [674] W. A. Herrmann, R. Eckl, F. E. Kühn, in *Aqueous-Phase Organometallic Catalysis Concepts and Applications* (Eds. B. Cornils, W. A. Herrmann), 2<sup>nd</sup> ed., Wiley-VCH Weinheim **2004**, 174–186 (Chiral Ligands).
- [675] W. A. Herrmann, C. P. Reisinger, in *Aqueous-Phase Organometallic Catalysis Concepts and Applications* (Eds. B. Cornils, W. A. Herrmann), 2<sup>nd</sup> ed., Wiley-VCH Weinheim **2004**, 194–197 (Amines and Polyoxometallates as Ligands).
- [676] W. A. Herrmann, F. E. Kühn, in *Aqueous-Phase Organometallic Catalysis Concepts and Applications* (Eds. B. Cornils, W. A. Herrmann), 2<sup>nd</sup> ed., Wiley-VCH Weinheim **2004**, 326–347 (Aqueous Catalysts for Environment and Safety).
- [677] F. E. Kühn, W. A. Herrmann, in *Aqueous-Phase Organometallic Catalysis Concepts and Applications* (Eds. B. Cornils, W. A. Herrmann), 2<sup>nd</sup> ed., Wiley-VCH Weinheim **2004**, 488–500 (Methyltrioxorhenium(VII) as an Oxidation Catalyst).
- [678] W. A. Herrmann, C.-P. Reisinger, P. Härter, in *Aqueous-Phase Organometallic Catalysis Concepts and Applications* (Eds. B. Cornils, W. A. Herrmann), 2<sup>nd</sup> ed., Wiley-VCH Weinheim **2004**, 511–523 (C-C Coupling Reactions (Heck, Stille, Suzuki, etc.)).
- [679] W. A. Herrmann, A. M. Santos, F. E. Kühn, in *Aqueous-Phase Organometallic Catalysis Concepts and Applications* (Eds. B. Cornils, W. A. Herrmann), 2<sup>nd</sup> ed., Wiley-VCH Weinheim **2004**, 627–635 (Other Recent Examples).
- [680] B. Cornils, W. A. Herrmann, in *Aqueous-Phase Organometallic Catalysis Concepts and Applications* (Eds. B. Cornils, W. A. Herrmann), 2<sup>nd</sup> ed., Wiley-VCH Weinheim **2004**, 707–725 (Aqueous-Phase Catalysis: The Way Ahead).
- [681] F. E. Kühn, R. W. Fischer, W. A. Herrmann, T. Weskamp, in *Transition Metals for Organic Synthesis* (Eds. M. Beller, C. Bolm), 2<sup>nd</sup> ed., Vol. 1, Wiley-VCH Weinheim **2004**, 427–436 (Oxidative Cleavage of Olefins).
- [682] F. E. Kühn, R. W. Fischer, W. A. Herrmann, in *Transition Metals for Organic Synthesis* (Eds. M. Beller, C. Bolm), 2<sup>nd</sup> ed., Vol. 2, Wiley-VCH Weinheim **2004**, 357–367 (Rhenium-Catalyzed Epoxidations).