

– 2003 –

- [655] B. Cornils, W. A. Herrmann, *J. Catal.* **2003**, 216(1–2), 23–31 (Concepts in homogeneous catalysis: the industrial view).
- [656] W. A. Herrmann, K. Öfele, D. von Preysing, S. K. Schneider, *J. Organomet. Chem.* **2003**, 687(2), 229–248 (Phospha-palladacycles and N-heterocyclic carbene palladium complexes: efficient catalysts for CC-coupling reactions). **NH-Carbene Part 52**
- [657] W. A. Herrmann, K. Öfele, D. von Preysing, E. Herdtweck, *J. Organomet. Chem.* **2003**, 684(1–2), 235–248 (Metal complexes of acyclic diaminocarbenes: links between N-heterocyclic carbene (NHC)- and Fischer-carbene complexes). **NH-Carbene Part 53**
- [658] W. A. Herrmann, *J. Organomet. Chem.* **2003**, 684(1–2), 1–5 (Mediator between chemical worlds, aesthete of sciences, and man of Bavaria: Ernst Otto Fischer).
- [659] S. K. Schneider, W. A. Herrmann, E. Herdtweck, *Z. Anorg. Allg. Chem.* **2003**, 629(12–13), 2363–2370 (Synthesis of the First Gold(I) Carbene Complex with a Gold-Oxygen Bond – First Catalytic Application of Gold(I) Complexes Bearing N-Heterocyclic Carbenes). **NH-Carbene Part 54**
- [660] W. A. Herrmann, *Nachrichten aus der Chemie* **2003**, 51(12), 1252–1255 (Wie die Chemie nach Bayern kam).
- [661] F. E. Kühn, C. C. Romão, W. A. Herrmann, in *Houben-Weyl – Science of Synthesis*, Category 1, Vol. 2 (Ed. T. Imamoto), **2003**, 111–153 (Organometallic Complexes of Rhenium).
- [662] W. A. Herrmann, in *Catalysis from A to Z: A Concise Encyclopedia* (Eds. B. Cornils, W. A. Herrmann, R. Schlögl, C.-H. Wong), Wiley-VCH Weinheim, 2nd Ed. **2003** (Contributions on: activator (11–12), atropisomeric ligand (62), BPYM-2,2'-bis(pyrimidine) (102), catalysis (123–125), catalysis research (126), C–C activation (154), C–F activation (154), constrained geometry catalysis (183), EVC vinyl chloride process (284), Fischer, Ernst Otto (296), Fischer carbenes (296), Frankland, Edward (303), Grignard, Victor (324), heterogeneous catalysis (340–341), Hieber, Walter (344), Hieber base reaction (344), hydrogen donors (375–376), Karstedt's catalyst (424), Kuntz-Cornils catalyst (437), lithium effect (457), mercury as catalyst metal (482–483), metathesis of alkenes (492), Mond, Ludwig (519), Natta, Giulio (531), N-heterocyclic carbenes (533–534), organometallic compounds for homogeneous catalysis (554), organotransition metal compounds (554–555), Periana reaction (575), platinum as catalyst metal: 2 – homogeneous (601–602), PLUTOcen (602), PLUTO GmbH ferrocene process (602), precursors (616–617), preformation (617–618), Reppe, Walter (656), Schrock carbenes (676), Schrock catalyst (676–677), Shilov reaction (694), SOHIO acrolein process (706), SOHIO acrylonitrile process (706), Speier's catalyst (715), transmetallation (783–784), Wacker process to acetaldehyde: 2 (819–820),

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