

## Criegee Ozonation

Fatiadi, A. J. New Applications of Tetracyanoethylene in Organometallic Chemistry. *Synthesis* **1987**, 959.

## OsO<sub>4</sub>/K<sub>3</sub>Fe(CN)<sub>6</sub> catalyzed dihydroxylation of alkenes

Minato, M.; Yamamoto, K.; Tsuji, J. Osmium tetroxide catalyzed vicinal hydroxylation of higher olefins by using hexacyanoferrate(III) ion as a cooxidant. *J. Org. Chem.* **1990**, *55*, 766-768.

## Ru catalyzed oxidation of Phenyl to carboxylic acid

Carlsen, P. H. J.; Katsuki, T.; Martin, V. S.; Sharpless, K. B. A greatly improved procedure for ruthenium tetroxide catalyzed oxidations of organic compounds. *J. Org. Chem.* **1981**, *46*, 3936-3938.

### • Wacker type processes

Semmelhack, M. F.; Kim, C.; Zhang, N.; Bodurow, C.; Sanner, M.; Dobler, W.; Meier, M. Intramolecular alkoxy carbonylation of hydroxy alkenes promoted by palladium(II). *Pure Appl. Chem.* **1990**, *62*, 2035.

Tsuji, J. *Addition Reactions with Formation of Carbon-Oxygen Bonds: (iv) The Wacker Oxidation and Related Reactions*. In *Comprehensive Organic Synthesis*; Trost, B. M., Fleming, I., Eds.; Pergamon Press: Oxford, 1991; Vol. 7, p 469.

## Alkene synthesis (Wittig, Peterson, Tebbe, Horner-Wadsworth Emmons, Julia)

Kelly, S. E. *Alkene Synthesis*. In *Comprehensive Organic Synthesis*; Trost, B. M., Fleming, I., Eds.; Pergamon Press: Oxford, 1991; Vol. 1, p 729.

### • Wittig Reaction

Vedejs, E.; Peterson, M. J. Stereochemistry and mechanism in the Wittig reaction. *Top. Stereochem.* **1994**, *21*, 1-157.

Maryanoff, B. E.; Reitz, A. B. The Wittig Olefination and Modifications Involving Phosphoryl-Stabilised Carbanions. Stereochemistry, Mechanism, and Selected Synthetic Aspects. *Chem. Rev.* **1989**, *89*, 863.

## TiCl<sub>4</sub>/Zn/CH<sub>2</sub>Br<sub>2</sub>

Oshima *Tetrahedron Lett.* **1978**, 2417

• **Tebbe Reagent**

*JACS* **1978**, 100, 3611

*JACS* **1980**, 102, 3270

*JOC* **1985**, 50, 2386

**Horner Wadsworth Emmons**

*JACS* **1961** 83 1733