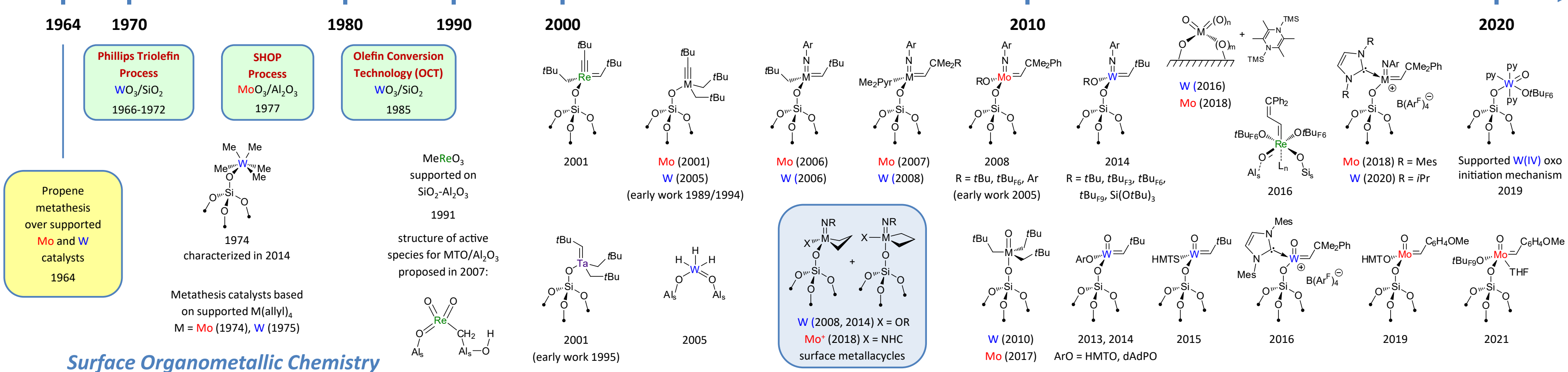
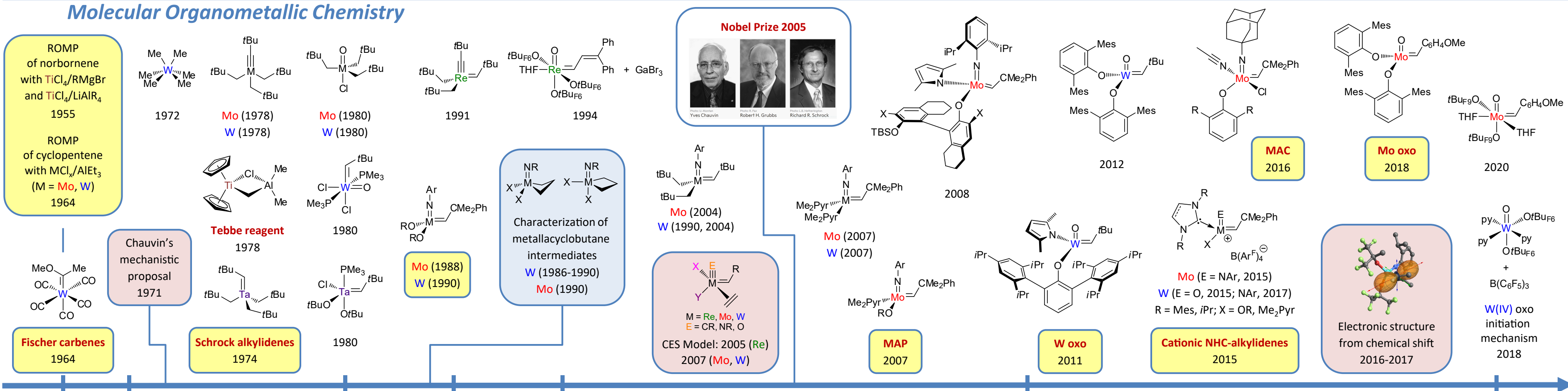


Development of Mo, W and Re Olefin Metathesis Catalysts in Molecular and Surface Organometallic Chemistry

Molecular Organometallic Chemistry



Surface Organometallic Chemistry

Color codes

Selected Key Experimental Findings

Selected Mechanistic Studies

Observation of Metallacycle Intermediates

Industrial Heterogeneous Process

Abbreviations

Ar = 2,6-*i*Pr₂C₆H₃
Me₂Pyr = 2,5-dimethylpyrrolyl
HMT = 2,6-Mes₂C₆H₃
dAdP = 2,6-Ad₂-4-Me-C₆H₂

tBuF₃ = CMe₂(CF₃)
tBuF₆ = CMe(CF₃)₂
tBuF₉ = C(CF₃)₃
Al_s, Si_s refers to a surface atom

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