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Recent advances in the chemistry of zirconocenes

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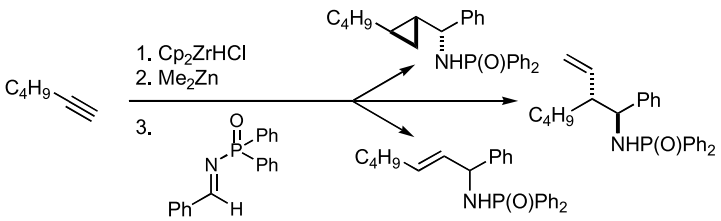
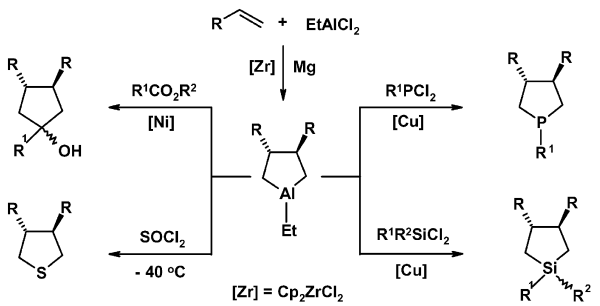
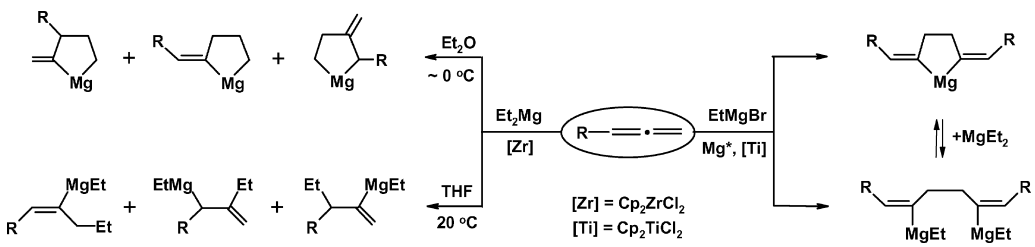
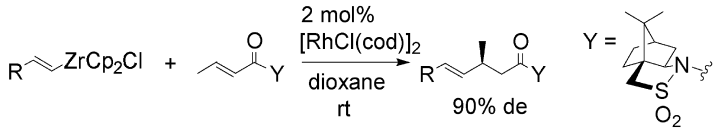


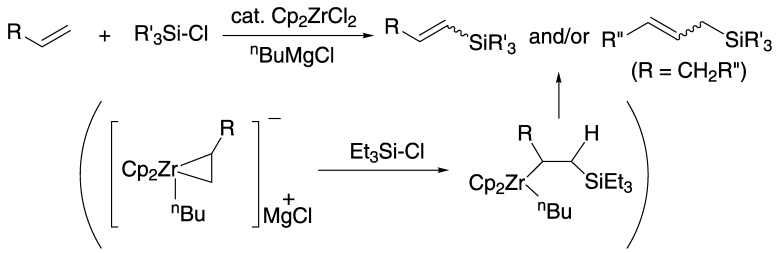
Recent progress in the preparation of alkenylzirconocenes, the transmetalation of zirconium to zinc, palladium, and rhodium, and lithium carbenoid insertions via the 1,2-metalate rearrangement are reviewed. In addition, the regioselective alkylzirconation of alkynes and Zr-promoted cyclizations of diynes are discussed.

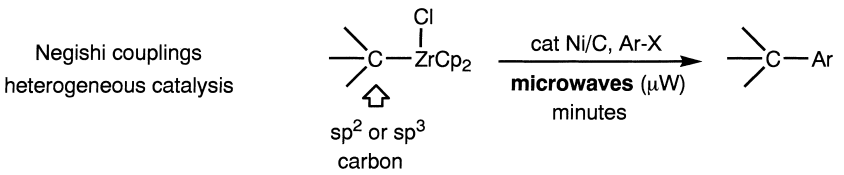


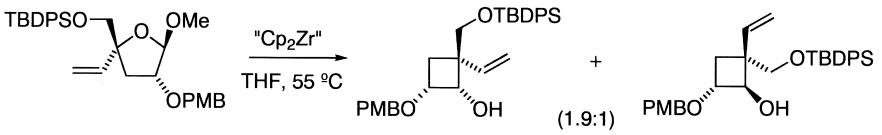


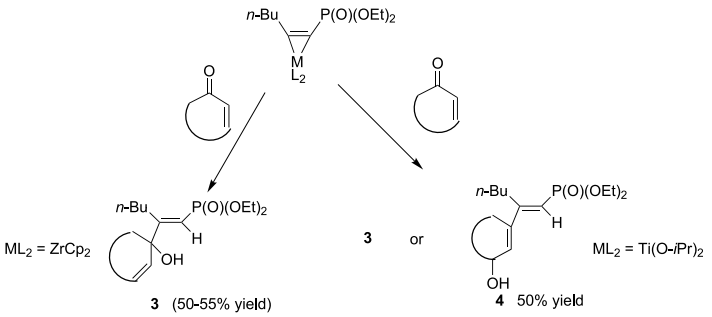
The reaction of $EtMgR'$ (R'=Et, Br) with 1,2-dienes in ethereal solutions catalyzed by Zr and Ti complexes was found to afford the products of cyclo- and (or) carbomagnesiation.

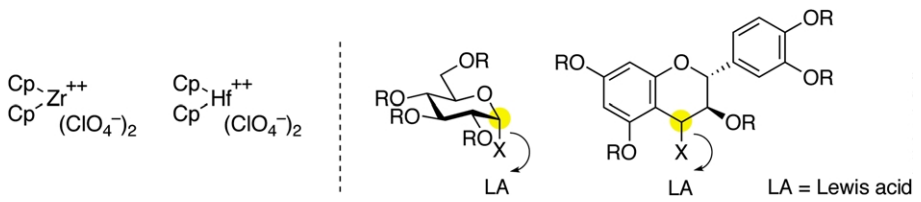


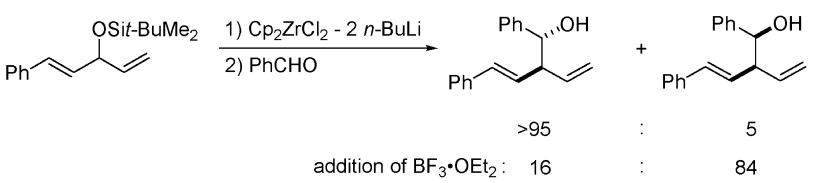


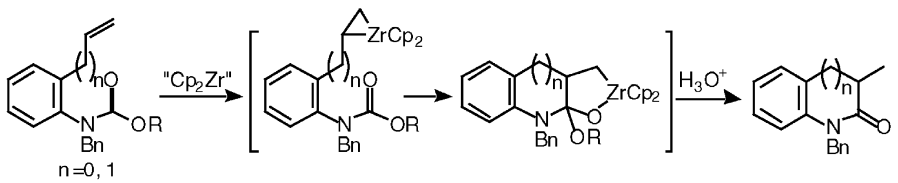


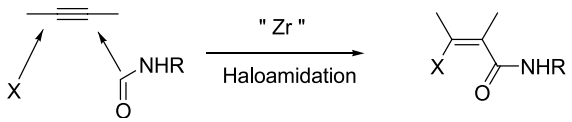


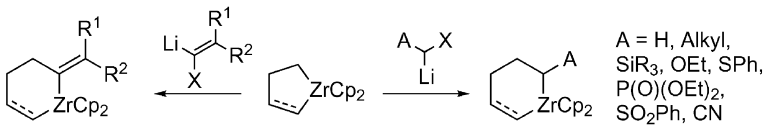


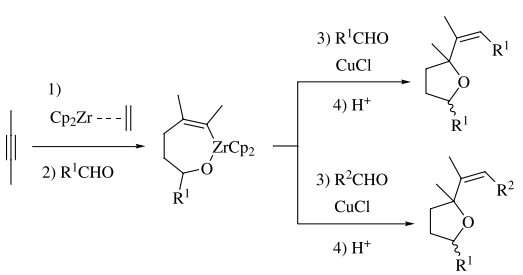












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*Corresponding author
ⓘ+ Supplementary data available via ScienceDirect

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