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Nota di contenuto	4.2.6 Ir-catalyzed hydrogenation of ketones 4.2.7 Ru-catalyzed hydrogenation of racemic 2-substituted aldehydes via dynamic kinetic resolution ; 4.2.8 Ru-catalyzed hydrogenation of racemic 2-substituted ketones via DKR ; 4.2.9 Ir-catalyzed hydrogenation of imines ; 4.3 Carbon-carbon bond-forming reactions ; 4.3.1 Ni-catalyzed hydrovinylation of olefins ; 4.3.2 Rh-catalyzed hydroacylation ; 4.3.3 Rh-catalyzed arylation of carbonyl compounds and imines ; 4.3.4 Pd-catalyzed umpolung allylation reactions of aldehydes, ketones, and imines ; 4.3.5 Ni-catalyzed three-component coupling reaction 4.3.6 Au-catalyzed Mannich reactions of azlactones