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Nota di contenuto	Nickel polymerization catalysts with ylide steering ligands / Aleksander Ostoja Starzewski -- Microstructure control of ethene homopolymers through tailored Ni, Pd(II) catalysts / Jurgen Kukral ... [et al.] -- Highly active ethene polymerization catalysts with unusual imine ligands / Gerrit A. Luinstra ... [et al.] -- Cycloaliphatic polymers via late transition metal catalysis / Brian L. Goodall -- Well-defined transition metal catalysts for metathesis polymerization / Michael R. Buchmeiser -- Catalysis in acyclic diene metathesis (ADMET) polymerization / Stephen E. Lehman Jr., Kenneth B. Wagener -- Transition metal-catalyzed polymerization in aqueous systems / Stefan Mecking, Jerome P. Claverie -- Copolymerization of carbon monoxide with alkenes / Giambattista Consiglio -- Strategies for catalytic polymerization of polar monomers / Ayusman Sen, Myeongsoon Kang.
Sommario/riassunto	Even some fifty years after their discovery, transition metals have lost none of their fascination. The use of complex compounds in these elements has not only revolutionized synthesis in the laboratory, but has also led to them playing an important role in many industrial

applications. Each year, millions of tons of plastics are produced around the world and, by varying the ligands in the catalytically active compounds, the properties of the resulting polymers can even be tailored for use. For this purpose, sandwich compounds from early transition metals have been common until now, but inte
