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Nota di contenuto	Frontmatter -- Preface -- Contents -- Contributors List -- 1 Domino and one-pot syntheses of biologically active compounds using diphenylprolinol silyl ether -- 2 Recent advances in reactions promoted by amino acids and oligopeptides -- 3 Amino-cinchona derivatives -- 4 Chiral imidazolidinones: A class of privileged organocatalysts in stereoselective organic synthesis -- 5 Phase-transfer catalysis and the ion pair concept -- 6 Stereoselective organocascades: from fundamentals to recent developments -- 7 Basic principles of substrate activation through non-covalent bond interactions -- 8 Recent developments in stereoselective organocatalytic oxyfunctionalizations -- 9 Stereoselective synergistic organo photoredox catalysis with enamines and iminiums -- 10 Stereoselective organocatalysis and flow chemistry -- 11 Enantioselective organocatalytic approaches to active pharmaceutical ingredients – selected industrial examples -- Index
Sommario/riassunto	Organocatalysis is considered today one of the three pillars in asymmetric catalysis, along with biocatalysis and organometallic catalysis. The possibility to combine organocatalysis with radical chemistry, photocatalysis and enabling technologies opened new avenues in organic synthesis.

