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Nota di contenuto	Chemistries. A Brief Introduction to Traditional Bioconjugate Chemistry / W Russ Algar -- [3+2]-Dipolar Cycloadditions in Bioconjugation / Jason E Hein -- Diels-Alder and Inverse Diels-Alder Reactions / Roberto J Brea, Neal K Devaraj -- The Staudinger Ligation / Olaia Nieto-Garcia, Marcie B Jaffee, Michaela Muhlberg, Christian P R Hackenberger -- Thiol-Ene Chemistry / Neil B Cramer, Christopher N Bowman -- Ligand-Directed Tosyl and Acyl Imidazole Chemistry / Kazuya Matsuo, Itaru Hamachi -- Bioorthogonal Labeling of Cellular Proteins by Enzymatic and Related Mechanisms / Scott A Walper, Kendrick B Turner, Igor L Medintz -- Metal-Mediated Bioconjugation / Justin M Chalker -- Front Matter -- Applications. Protein and Antibody Labeling / Angela M Mariani, Kim E Sapsford -- Activity-Based Protein Profiling / Eliane V Wolf, Steven H L Verhelst -- Nucleic Acid Labeling, Ligation, and Modification / Afaf H El-Sagheer, Tom Brown -- Chemoselective Reactions for Glycan Labeling / Janet E McCombs, Jennifer J Kohler -- Chemoselective Attachment of Lipids to Proteins / Christian F W Becker -- In Vivo Applications of Bioorthogonal Chemistries / Chelsea G Gordon, Carolyn R Bertozzi -- Immobilization of Biomolecular Probes for Arrays and Assay: Critical Aspects of Biointerfaces / Stella H North, Chris Rowe Taitt -- Chemical Ligations in the Design of Hydrogel

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