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Nota di contenuto	Matrix metalloproteinases : from structure to function / Maciej J. Stawikowski and Gregg B. Fields -- Dynamics and mechanisms of substrate recognition by matrix metalloproteinases / Ivan E. Collier and Gregory Goldberg -- Matrix metalloproteinases : structure and dynamics in substrates recognition and processing / Marco Fragai, Claudio Luchinat -- Metzincin modulators : beyond the active site / Dmitriy Minond -- Therapeutics targeting matrix metalloproteinases / Jillian Cathcard, Ashleigh Pulkoski-Gross, Stanley Zucker, and Jian Cao -- Matrix metalloproteinases : modification of extracellular matrix-medicated signaling / Howard C. Crawford and M. Sharon Stack -- Meprin and Adam metalloproteinases : two sides of the same coin? / Christopher Becker-Pauly and Stefan Rose-John -- Metalloproteinases in innate immunity and disease / Antoine Dufour and Christopher Overall -- MMPS : from genomics to degradomics / Barbara Grunwald, Pascal Schlage, Achim Kruger, and Ulrich auf dem Keller -- Biology and clinical significance of MMPS / Di Jia, Roopali Roy, and Marsha A. Moses.
Sommario/riassunto	Discussing recent advances in the field of matrix metalloproteinase (MMP) research from a multidisciplinary perspective, Matrix Metalloproteinase Biologyis a collection of chapters written by leaders in the field of MMPs. The book focuses on the challenges of

understanding the mechanisms substrate degradation by MMPs, as well as how these enzymes are able to degrade large, highly ordered substrates such as collagen. All topics addressed are considered in relation to disease progression including roles in cancer metastasis, rheumatoid arthritis and other inflammatory diseases. The text first