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Nota di contenuto	-- Chapter 1: Introduction of Metal-organic Frameworks -- Chapter 2: Metal-organic Frameworks: Photochemical and Electrochemical Properties -- Chapter 3: Metal-organic Frameworks for detection of Fingerprint latent -- Chapter 4: Metal-organic Frameworks for detection of Lip-print and Palm-print -- Chapter 5: Metal-organic Frameworks for detection of Pesticides in forensic samples -- Chapter 6: Metal-organic Frameworks for detection of Antibiotics in forensic samples -- Chapter 7: Metal-organic Frameworks for detection of Drugs of abuse -- Chapter 8: Metal-organic Frameworks for detection of Hazardous chemicals -- Chapter 9: Metal-organic Frameworks for detection of Explosives -- Chapter 10: Metal-organic Frameworks for detection of Gunshot residual -- Chapter 11: Metal-organic Frameworks for detection of Toxic Gases -- Chapter 12: Metal-organic Frameworks for detection of Toxic Liquids -- Chapter 13: Advantages and disadvantages of MOFs during Forensic sample detection.
Sommario/riassunto	This book illustrates the application of Metal-Organic Frameworks (MOFs) based detectors and scientific methods in the Forensic sciences.

The introductory chapter provides metal-organic frameworks as materials for applications in sensors and reviews their photochemical and electrochemical properties. The subsequent chapter probes the interaction between Metal-Organic Frameworks and forensic samples. Further, the chapters discuss the applications of the metal-organic framework for the detection of fingerprint latent, lip-print, palm-print, pesticides, and antibiotics in forensic samples. Further, the chapters review the use of metal-organic frameworks for the detection of drugs of abuse, explosives, hazardous chemicals, and gunshots residual. Towards the end, the chapter reviews the advantages and disadvantages of MOFs during forensic sample detection and current challenges and prospects. This book provides useful information on applications of metal-organic Frameworks for forensic scientists and legal professionals.
