

1. Record Nr.	UNINA9910449817303321
Titolo	Sensor systems for biological agent attacks [[electronic resource]] : protecting buildings and military bases / / Committee on Materials and Manufacturing Processes for Advanced Sensors, Board on Manufacturing and Engineering Design, Division on Engineering and Physical Sciences, National Research Council of the National Academies
Pubbl/distr/stampa	Washington, D.C., : National Academies Press, c2005
ISBN	1-280-26290-7 9786610262908 0-309-54832-2
Descrizione fisica	1 online resource (208 p.)
Disciplina	363.17
Soggetti	Bioterrorism - United States - Prevention Biological warfare - United States - Prevention Terrorism - United States - Prevention Civil defense - United States Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	""Front Matter""; ""Preface""; ""Contents""; ""Executive Summary""; ""1 Background and Overview""; ""2 Scenarios, Defensive Concepts, and Detection Architectures""; ""3 Indoor and Outdoor Bioaerosol Backgrounds and Sampling Strategies""; ""4 Bioaerosol Sampling Systems for Near-Real-Time Detection""; ""5 Point and Standoff Detection Technologies""; ""6 Nucleic Acid Sequence-Based Identification for Detect-to-Warn Applications""; ""7 Structure-Based Identification for Detect-to-Warn Applications""; ""8 Chemistry-Based Identification for Detect-to-Warn Applications"" ""9 Function-Based Detection""""10 Design Considerations for Detect-to-Warn Defensive Architectures""; ""11 Summary of Conclusions and a Path Forward""; ""Appendixes""; ""A Biographical Sketches of Committee Members""; ""B Acronyms and Abbreviations""

