1. Record Nr. UNINA9910830426903321

Autore	Morag Nadav <1965->
Titolo	Comparative homeland security [[electronic resource]] : global lessons / / Nadav Morag
Pubbl/distr/stampa	Hoboken, N.J., : John Wiley & Sons, c2011
ISBN	1-282-24260-1 9786613813725 1-118-04827-X 1-118-04825-3 1-118-04868-7
Descrizione fisica	1 online resource (402 p.)
Collana	Wiley series in homeland and defense security
Disciplina	355.033 363.34
Soggetti	National security Terrorism - Prevention Law enforcement Emergency management Public safety
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 and index.
Nota di contenuto	Country overview -- Counterterrorism strategies, laws and institutions -- Law enforcement institutions and strategies -- Immigration and counter-radicalization -- The role of the military in security and support for civil authorities -- Border security and immigration policies -- Security policies: critical infrastructure protection, public-private partnerships, aviation security, maritime security and surface-transport security -- Emergency preparedness, emergency response and management and crisis communications -- Public health strategies and institutions.
Sommario/riassunto	Students and practitioners of Homeland Security have generally not looked beyond U.S. borders in terms of searching for solutions to existing H.S. policy problems. Comparative Homeland Security: Global Lessons examines overseas homeland security practices, allowing

	readers to integrate counter-terrorism, emergency response and other H.S. practices from around the world into our own policies. The book covers strategies for combatting terrorism, countering radicalization, emergency response, border and transportation security, critical infrastructure protection, public health and military

2. Record Nr. UNINA9910253949003321

Titolo	Next Generation Point-of-care Biomedical Sensors Technologies for Cancer Diagnosis / / edited by Pranjal Chandra, Yen Nee Tan, Surinder P. Singh
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2017
ISBN	981-10-4726-X
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XII, 396 p. 164 illus., 149 illus. in color.)
Disciplina	614.5999
Soggetti	Cancer - Research Biomedical engineering Biology—Technique Nanotechnology Nanochemistry Cancer Research Biomedical Engineering/Biotechnology Biological Techniques Nanotechnology and Microengineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Cancer Biomarkers: Important Tools for Cancer Diagnosis and Prognosis -- Transcription factors as detection and diagnostic biomarkers in cancer -- Cancer biomarkers immunosensing strategies based on graphene surface engineered materials -- Label-free biosensors for early diagnosis of cancer based on G-quadruplex and isothermal amplification -- Point-of-care and implantable biosensors in cancer research and diagnosis -- Electrochemical Redox Cycling

Amplification Technology for Point-of-Care Cancer Diagnosis -- Hyperbolic metamaterials-based ultra-sensitive plasmonic biosensors for early stage cancer detection -- SERS-based biosensors as potential next generation point-of-care cancer diagnostic platforms -- Nucleic acid-based aptasensors for cancer diagnostics - An insight into immobilisation strategies -- Nanobiosensing technologies for prostate cancer diagnostics/prognostics: Tiny smart medicine -- Developments in the Electrochemical Bionanosensors for the Predictive Diagnosis of Prostate and Breast Cancer -- Oligopeptides for Cancer and other Biomedical Sensing Applications -- Microfluidic immunoassay devices as next generation cancer and medical diagnostics platform -- Point-of-care device with plasmonic gold nanoarray sensing chip for biomarker detections -- Sers Biosensing and Bioimaging: Design and Applications in Cancer Diagnostics -- Microfluidic Paper-based Analytical Devices for Point-of-Care Diagnosis.

Sommario/riassunto

This book presents recent research on cancer detection methods based on nanobiosensors, which offer ultrasensitive point-of-care diagnosis. Several methods for diagnosing cancer have been discovered and many more are currently being developed. Conventional clinical approaches to detecting cancers are based on a biopsy followed by histopathology, or on the use of biomarkers (protein levels or nucleic acid content). Biopsy is the most widely used technique; however, it is an invasive technique and is not always applicable. Furthermore, biomarker-based detection cannot be relied on when the biomarkers are present in an extremely low concentration in the body fluids and in malignant tissues. Thus, in recent years highly sensitive and robust new cancer diagnosis techniques have been developed for clinical application, and may offer an alternative strategy for cancer diagnosis. As such, this book gathers the latest point-of-care cancer diagnostic methods and protocols based on biomedical sensors, microfluidics, and integrated systems engineering. It also discusses recent developments and diagnostics tests that can be conducted outside the laboratory in remote areas. These technologies include electrochemical sensors, paper-based microfluidics, and other kit-based diagnostic methods that can be adapted to bring cancer detection and diagnostics to more remote settings around the globe. Overall, the book provides students, researchers, and clinicians alike a comprehensive overview of interdisciplinary approaches to cancer diagnosis.