1. Record Nr. UNINA9910299850803321

Titolo	Sensors : Proceedings of the Second National Conference on Sensors, Rome 19-21 February, 2014 / / edited by Dario Compagnone, Francesco Baldini, Corrado Di Natale, Giovanni Betta, Pietro Siciliano
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-09617-6
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (432 p.)
Collana	Lecture Notes in Electrical Engineering, , 1876-1119 ; ; 319
Disciplina	681.2
Soggetti	Signal processing Electronics Signal, Speech and Image Processing Electronics and Microelectronics, Instrumentation
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	Proteotronics: Electronic Devices Base on Proteins -- Study of the Role of Particle-Particle Dipole Interaction In Dielectrophoretic Devices for BioMarkers -- Portable, Mulitispot, Label-Free Immunoassay on a Phantom Perfluorinated Plastic -- Characterization of Bacilli Spores by Surface-Enhanced Raman Spectroscopy, a Fast and Reliable Technique -- Development of a Novel Snom Probe for in Liquid Biological Samples -- A Point-of-Care Device for Immunosuppressants Monitoring in Transplanted Patients -- Optical Detection of Surfactants by Means of Reflective Phantom Interface Method -- Development of an Optical Sensing Strategy Based on Gold Nanoparticles Formation Driven by Polyphenols -- Deposition and Characterization of Laccase Thin Films Obtained by Matrix Assisted Pulsed Laser Evaporation.-Optical Characterization of Heavy Metal-Binding Proteins Bioconjugation On Porous Silicon Devices.
Sommario/riassunto	This book contains a selection of papers presented at the Second National Conference on Sensors held in Rome 19-21 February 2014. The conference highlighted state-of-the-art results from both theoretical and applied research in the field of sensors and related technologies. This book presents material in an interdisciplinary

approach, covering many aspects of the disciplines related to sensors, including physics, chemistry, materials science, biology and applications. · Provides a selection of the best papers from the Second Italian National Conference on Sensors; · Covers a broad range of topics relating to sensors and microsystems, including physics, chemistry, materials science, biology and applications; · Offers interdisciplinary coverage, aimed at defining a common ground for sensors beyond the specific differences among the different particular implementation of sensors.