

1. Record Nr.	UNINA9910789701203321
Titolo	Nucleic acid biosensors for environmental pollution monitoring [[electronic resource] /] / edited by Marco Mascini and Ilaria Palchetti
Pubbl/distr/stampa	Cambridge, : RSC Pub., 2011
ISBN	1-84973-269-8
Descrizione fisica	1 online resource (187 p.)
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Disciplina	628.5/0287 628.50287
Soggetti	Nucleic acids - Biotechnology Biosensors Pollution - Measurement Environmental monitoring
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	OFC_publicity; i-iv.PDF.pdf; v-vi; vii-x; 1-16; 17-33; 34-60; 61-81; 82-98; 99-120; 121-140; 141-164; 165-167; 168-176
Sommario/riassunto	Nucleic acids are the fundamental building blocks of life and are found in all living things. In recent years, their functions have been shown to extend beyond the Watson-Crick base pair recognition of complementary strands. Molecules (known as aptamers) consisting of 40-50 nucleotides have been isolated that are able to bind a broad range of molecules with high affinity and specificity. The molecules recognized by aptamers range from small organic molecules to proteins, cells and even intact viral particles. Catalytic DNA molecules called NAzymes (RNAzyme or DNAzyme) have also been shown to e