

1. Record Nr.	UNINA9910778307703321
Titolo	Nanofluidics [[electronic resource]] : nanoscience and nanotechnology // edited by Joshua B. Edel and Andrew J. deMello
Pubbl/distr/stampa	Cambridge, UK, : RSC Publishing, c2009
ISBN	1-62198-158-4 1-84755-890-9
Descrizione fisica	1 online resource (211 p.)
Collana	RSC nanoscience & nanotechnology, , 1757-7136
Altri autori (Persone)	EdelJoshua B (Joshua Benno) De MelloAndrew
Disciplina	629.8042
Soggetti	Nanoelectromechanical systems Fluidic devices
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	Nanofluidics_publicity; full book resized
Sommario/riassunto	In his now celebrated lecture at the 1959 meeting of the American Physical Society, Richard Feynman pondered the potential of miniaturization in the physical sciences. His vision, based on known technology, examined the limits set by physical principles and proposed a variety of new nano-tools including the concept of "atom-by-atom" fabrication. In the intervening decades, many of these predictions have become reality. In particular, the development and application of nanofluidics is becoming a competitive and exciting field of research. These nanoscale analytical instruments employ micromac