1. Record Nr. UNICAMPANIASUN0040932

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| Titolo | 1: Saggi / a cura di Marina Montuori |
| Pubbl/distr/stampa | Roma : Officina, 1988 |
| Descrizione fisica | 2 v. (VI, 490 p. compless. : ill. ; 24 cm). |
| Lingua di pubblicazione | Italiano |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |

2. Record Nr. UNINA9910456938003321

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| Titolo | Microdevices in biology and medicine / / Yaakov Nahmias, Sangeeta N. Bhatia, editors |
| Pubbl/distr/stampa | Boston : , : Artech House, , ©2009<br>[Piscataqay, New Jersey] : , : IEEE Xplore, , [2009] |
| ISBN | 1-59693-405-0 |
| Descrizione fisica | 1 online resource (272 p.) |
| Collana | Artech House methods in bioengineering series |
| Altri autori (Persone) | NahmiasYaakov <1974-><br>BhatiaSangeeta <1968-> |
| Disciplina | 610.28<br>610.284 |
| Soggetti | Biomedical engineering<br>Microelectromechanical systems<br>Electronic books. |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Series title given on title page as: Methods in bioengineering. |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | Immunoaffinity capture of cells from whole blood -- Dynamic gene-expression analysis in a microfluidic living cell array (mLCA) -- Micromechanical control of cell-cell interactions -- Mechanotransduction and the study of cellular forces -- A microfluidic tool for immobilizing C. elegans -- Osmolality control for microfluidic |

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| | embryo cell culture using hybrid polydimethylsiloxane (PDMS) -- parylene membranes -- Image-based cell sorting using microscale electrical and optical actuation -- Pharmacokinetic-pharmacodynamic models on a chip -- Lab-on-a-chip impedance detection of microbial and cellular activity -- Controlling the cellular microenvironment -- Subtractive methods for forming microfluidic gels of extracellular matrix proteins. |
| Sommario/riassunto | This practical book is part of the new Artech House Methods in Bioengineering series - volumes designed to offer detailed guidance on authoritative methods for addressing specific bioengineering challenges. Written and edited by recognized experts in the field, each book provides research engineers, scientists, and students with step-by-step procedures, clear examples, and effective ways to overcome problems that may be encountered. At the dawn of the 21st century, microtechnology is changing the study of biology and the practice of medicine. This volume presents the science behind microscale device design and the engineering of its fabrication. |