

1. Record Nr.	UNINA9910956052203321
Autore	Baeakova L
Titolo	Cell colonization control by physical and chemical modification of materials / / L. Baeakova
Pubbl/distr/stampa	New York, : Nova Science Publishers, c2009
ISBN	1-60741-408-2
Edizione	[1st ed.]
Descrizione fisica	1 online resource (98 p.)
Altri autori (Persone)	SvorcikV
Disciplina	611/.018
Soggetti	Biomedical materials - Biocompatibility Cell adhesion Cells - Growth - Regulation
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 (p. [73]-80) and index.
Nota di contenuto	Interaction of plasma discharge and energetic ions with materials surface -- Physical and chemical characterization of the modified material surface -- Evaluation of cell-material interaction -- Reactions between plasmas and polymer surface -- Modification of polymers by ion implantation -- Photochemical modification of polymers by UV light-irradiation -- Cell colonization on materials modified by plasma discharge, ion implantation, or UV light irradiation -- Patterned surfaces and grafting bioactive molecules -- Modification of materials by deposition of organic or inorganic layers.
Sommario/riassunto	Contents: Preface; Introduction; Interaction of Plasma Discharge and Energetic Ions with Materials Surface; Physical and Chemical Characterisation of the Modified Material Surface; Evaluation of Cell-Material Interaction {XE Interaction}; Reactions between Plasmas and Polymer Surface; Modification of Polymers by Ion Implantation; Photochemical Modification of Polymers by UV Light-Irradiation; Cell Colonization on Materials Modified by Plasma Discharge, Ion Implantation or UV Light Irradiation; Patterned Surfaces and Grafting Bioactive Molecules; Modification of Materials by Deposition of Organic or Inorganic Layers; Conclusion; Index.