

1. Record Nr.	UNINA9910254324803321
Titolo	Modeling, Methodologies and Tools for Molecular and Nano-scale Communications : Modeling, Methodologies and Tools / / edited by Junichi Suzuki, Tadashi Nakano, Michael John Moore
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-50688-9
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (IX, 592 p. 235 illus., 169 illus. in color.)
Collana	Modeling and Optimization in Science and Technologies, , 2196-7326 ; ; 9
Disciplina	004.6
Soggetti	Nanotechnology Computer networks Optical materials Electronics - Materials Biomedical engineering Nanotechnology and Microengineering Computer Communication Networks Optical and Electronic Materials Biomedical Engineering/Biotechnology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Part I Fundamentals Of Molecular Communication -- Part II Molecular Communication in Biology -- Part III Electromagnetic-based Nano-scale Communication -- Part IV Nanomaterial and Nanostructure -- Part V Medical Applications of Nanoscale Communication.
Sommario/riassunto	(Preliminary) The book presents the state of art in the emerging field of molecular and nanoscale communication. It gives special attention to fundamental models, and advanced methodologies and tools used in the field. It covers a wide range of applications, e.g. nanomedicine, nanorobot communication, bioremediation and environmental managements. It addresses advanced graduate students, academics and professionals working at the forefront in their fields and at the interfaces between different areas of research, such as engineering,

computer science, biology and nanotechnology.

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