1. Record Nr. UNISALENTO991001771819707536

Autore	Forum per la Tecnologia dell'Informazione
Titolo	Verso la e-society : 8. rapporto sulla tecnologia dell'informazione e della comunicazione in Italia / FTI, Forum per la Tecnologia della Informazione ; con il patrocinio e in collaborazione con il CNEL
Pubbl/distr/stampa	Milano : Angeli, 2002
ISBN	8846437241
Descrizione fisica	613 p. : ill. ; 23 cm
Collana	FTI. Studi e ricerche ; 8
Disciplina	384.0945
Soggetti	Informatica e società - Italia Mezzi di informazione - Italia Telecomunicazioni - Italia
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNISALENTO991001068959707536

Autore	Nagel, Alexander
Titolo	Lectures on pseudo-differential operators : regularity theorems and applications to non-elliptic problems / by Alexander Nagel and E. M. Stein
Pubbl/distr/stampa	Princeton, N. J. : Princeton Univ. Press, 1979
ISBN	0691082472
Descrizione fisica	159 p. ; 24 cm.
Collana	Mathematical notes ; 24
Classificazione	AMS 32-02 AMS 32-XX AMS 35S05 AMS 47G30 AMS 58G05 QA329.7
Altri autori (Persone)	Stein, Elias M.
Disciplina	515.72
Soggetti	Differential complexes Pseudodifferential operators Several complex variables
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliography: p. 156-159

3. Record Nr. UNINA9910254617803321

Autore	Keiser Gerd
Titolo	Biophotonics : Concepts to Applications / / by Gerd Keiser
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2016
ISBN	981-10-0945-7
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (XXIII, 345 p. 188 illus., 86 illus. in color.)
Collana	Graduate Texts in Physics, , 1868-4513
Disciplina	571.455
Soggetti	Biophysics Biomedical engineering Lasers Photonics Optics Electrodynamics Biological and Medical Physics, Biophysics Biomedical Engineering and Bioengineering Optics, Lasers, Photonics, Optical Devices Classical Electrodynamics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	From the Contents: Introduction to Biophotonics -- Fundamentals of Light: Basics of optics and photonics; Refractive index; Polarization; Coherence -- Optical Sources and Photodetectors: Lasers, laser diodes, LEDs; photodiodes, CCDs, photomultiplier tubes -- Optical Fibers for Biophotonics Applications.
Sommario/riassunto	This book is designed to introduce senior-level and postgraduate students to the principles and applications of biophotonics. It also will serve well as a working reference to practicing physicians, clinicians, biomedical researchers, and biomedical engineers dealing with photonics-based tools and instruments. The book topics include the fundamentals of optics and photonics, the optical properties of biological tissues, various types of light-tissue interactions, microscopy for visualizing tissue components, spectroscopy for optically analyzing the properties of healthy and diseased tissue, and optical biomedical

imaging. The tools and techniques described in the book include laser and LED optical sources, photodetectors, optical fibers, bioluminescent probes for labeling cells, optical-based biosensors, nanophotonics, surface plasmon resonance, and lab-on-a-chip technologies. Among the applications are optical coherence tomography (OCT), flow cytometery, photodynamic therapy (PDT), low-level light therapy (LLLT), tissue characterization, and laser ablation. To assist readers in learning the material and applying it to practical designs, the book will include worked out examples and drill problems throughout. A collection of homework problems is included to help test the reader's comprehension of the material covered, and to extend and elucidate the text.This book introduces senior-level and postgraduate students to the principles and applications of biophotonics. It also serves as a valuable reference resource or as a short-course textbook for practicing physicians, clinicians, biomedical researchers, healthcare professionals, and biomedical engineers and technicians dealing with the design, development, and application of photonics components and instrumentation to biophotonics issues. The topics include the fundamentals of optics and photonics, the optical properties of biological tissues, light-tissue interactions, microscopy for visualizing tissue components, spectroscopy for optically analyzing the properties of tissue, and optical biomedical imaging. It also describes tools and techniques such as laser and LED optical sources, photodetectors, optical fibers, bioluminescent probes for labeling cells, optical-based biosensors, surface plasmon resonance, and lab-on-a-chip technologies. Among the applications are optical coherence tomography (OCT), optical imaging modalities, photodynamic therapy (PDT), photobiostimulation or low-level light therapy (LLLT), diverse microscopic and spectroscopic techniques, tissue characterization, laser tissue ablation, optical trapping, and optogenetics. Worked examples further explain the material and how it can be applied to practical designs, and the homework problems help test readers' understanding of the text.