

1. Record Nr.	UNINA9910459467803321
Titolo	Nuclear medicine physics // edited by J.J. Pedroso de Lima
Pubbl/distr/stampa	Boca Raton : , : CRC Press Coimbra : , : Coimbra University Press, , 2011
ISBN	0-429-13853-9 1-58488-796-6
Descrizione fisica	1 online resource (522 p.)
Collana	Series in medical physics and biomedical engineering
Altri autori (Persone)	LimaJ. J. Pedroso de (Joao Jose Pedroso)
Disciplina	610.1/53
Soggetti	Medical physics Radioisotope scanning Electronic books.
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	Front cover; Contents; About the Series; Editor; Contributors; Chapter 1: Introduction; Chapter 2: Cyclotron and Radionuclide Production; Chapter 3: Positron Physics; Chapter 4: Radiopharmaceuticals: Developmentand Main Applications; Chapter 5: Radiation Detectors and Image Formation; Chapter 6: Imaging Methodologies; Chapter 7: Systems in Nuclear Medicine; Chapter 8: Dosimetry and Biological Effects of Radiation; Back cover
Sommario/riassunto	Edited by a renown international expert in the field, Nuclear Medicine Physics presents a full description of nuclear medicine imaging physics and methodology, serving as a useful reference of the basic physics and various applications in medicine and imaging systems. Written at a level accessible for a wide audience, including graduate students, this book provides advanced knowledge of relevant physical aspects behind modern nuclear imaging techniques, from radioisotope production to data acquisition and processing. Special emphasis is placed on the physics of biological functions from the perspective of their study with radioisotopes and the biological effects of radiation--Provided by publisher.