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Titolo	Photon-based medical imagery [[electronic resource] /] / edited by Herve Fanet
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ISBN	1-118-60124-6 1-118-60122-X 1-118-60134-3 1-299-18760-9
Descrizione fisica	1 online resource (343 p.)
Collana	Digital signal and image processing series
Altri autori (Persone)	FanetHerve
Disciplina	610.28 616.07/54 616.0754
Soggetti	Diagnostic imaging Photons - Diagnostic use
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Adapted and updated from Imagerie medicale a base de photons : radiologie, tomographie X, tomographie gamma et positons, imagerie optique published 2010 in France by Hermes Science/Lavoisier"--T.p. verso.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Interactions between radiation and matter: consequences for detection and medical imaging -- Detectors for medical imaging -- Quantification of digital radiography image processing -- X-ray tomography -- Positron-emission tomography: principles and applications -- Single photon imaging -- Optical imaging.
Sommario/riassunto	This book describes the different principles and equipments used in medical imaging. Importance of medical imaging for diagnostic is strongly increasing and it is now necessary to have a good knowledge of the different physical possible principles. Researchers, clinicians, engineers and professionals in this area, along with postgraduate students in the signal and image processing field, will find this book of great interest.

