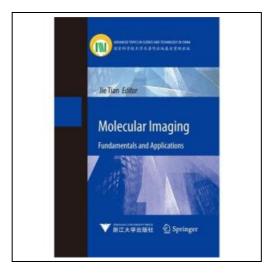
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Reviews

An extremely wonderful book with perfect and lucid explanations. This really is for those who statte that there had not been a worth reading. Your way of life span will be convert when you comprehensive reading this book.

(Effie Douglas)

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paperback. Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Paperback. Pub Date: 2012 Pages: 699 Language: English Publisher: Zhejiang University Press Jie Tian Editor Molecular Imaging Fundamentals and Applications is On a comprehen-sive monograph which describes not only the theory of the under-lying algorithms and key technologies but also introduces a prototype system and its applications. inging together theory. technology and applications. Contents: Part I Molecular Imaging Theory and System1 Introduction1.1 Development of Molecular Imaging1.2 Advantages of Molecular Imaging1.3 Basic Pfinciples of Molecular Imaging Modalities1.4 Generous Development of Molecular Imaging Probe1.5 Application Involving Molecular ImagingReferences2 Molecular Optical Simulation Environment 2.1 Introduction 2.2 Review of the Current Simulation PlatforlTl2.3 Introduction 0fMOSE 2.4 Introduction of the Algorithm 2.5 Validation of the Simulation Experiment Results.References3 Diffuse Optical Tomography3.1 Outline3.2 Medical Background and Optical Properties of Human Tissue3.3 Photon Tra_port Model in Tissues and Image Reco_tructionAlgorithms3.4 Simulative and Experimental Tomographic and TopographicImaging on a PhantomReferences4 Fluorescence Molecular Tomography4.1 Overview4.2 Fundamental Principles in Fluorescence Molecular Tomography4.3 Experimental System in Fluorescence Molecular Tomography.4.4 The Reco_truction Algorithms in Fluorescence Molecular Tomography4.5 Experiment in Fluorescence Molecular Tomography References5 Bioluminescenee Tomography5.1 Introduction5.2 The Forward Model for BLT5.3 BLT Reco_truction Algorithms5.4 Experiments and Applicatio_References6 Positron Emission Tomography6.1 Prologue6.2 The Principle of PET6.3 Positron Emission Tomography Scanner6.4 Reco_truction Algorithms and Correction Techniques in PET6.5 PET / CT Image Fusion6.6 Experimental PET Imaging References7 Radioisotope Labeled Molecular Imaging in SPECT7.1 Outline of Molecular Imaging in SPECT7.2 Key Technologies of Animal Pinhole SPECT References8 MRI Facility-Based Molecular Imaging.8.1 Outline of the MIU Facility-Based Molecular Imaging 8.2 Main m MgI Contrasts.References.9 Other Molecular Imaging Technology9.1 Photo acoustic Tomography9.2 Optical Coherence Tomography9.3 Confocal Laser Scanning Microscopy,9.4 Ultrasound in Molecular Imaging,9.5 X-Ray Micro- Computed Tomography,References,10 Optical Multi-Modality Molecular Imaging 10.1 Fusion of BLT and Nicro-CT System 10.2 Fusion of DOT and BLT...

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