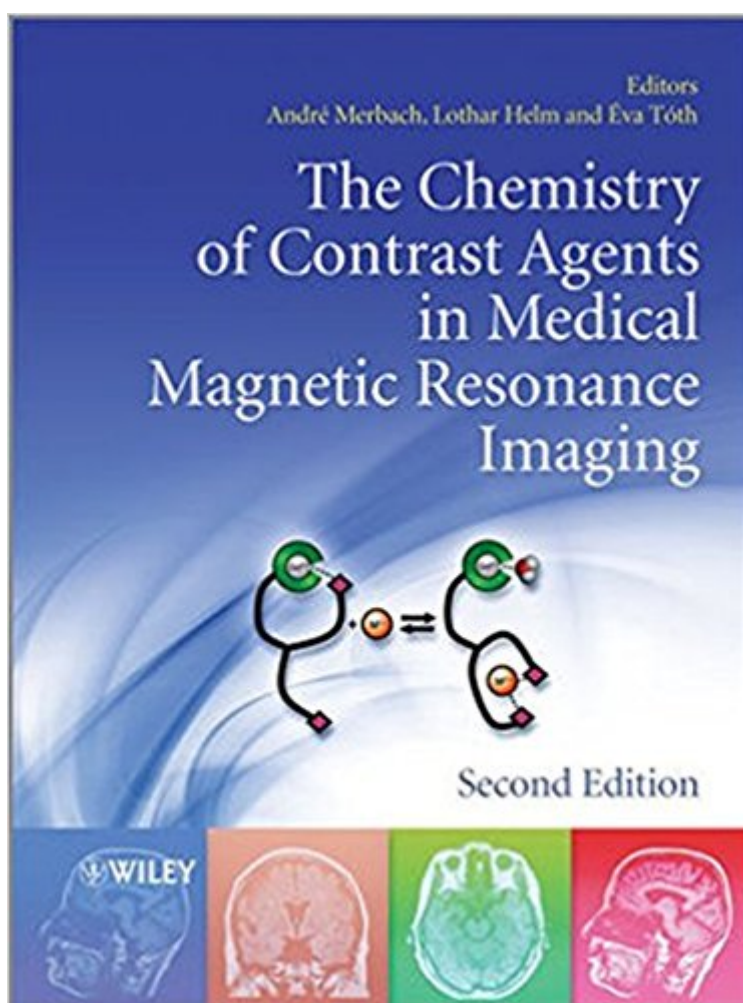


The book was found

The Chemistry Of Contrast Agents In Medical Magnetic Resonance Imaging



Synopsis

Magnetic Resonance Imaging (MRI) is one of the most important tools in clinical diagnostics and biomedical research. The number of MRI scanners operating around the world is estimated to be approximately 20,000, and the development of contrast agents, currently used in about a third of the 50 million clinical MRI examinations performed every year, has largely contributed to this significant achievement. This completely revised and extended second edition:• Includes new chapters on targeted, responsive, PARACEST and nanoparticle MRI contrast agents. Covers the basic chemistries, MR physics and the most important techniques used by chemists in the characterization of MRI agents from every angle from synthesis to safety considerations. Is written for all of those involved in the development and application of contrast agents in MRI. Presented in colour, it provides readers with true representation and easy interpretation of the images.• A word from the Authors: Twelve years after the first edition published, we are convinced that the chemistry of MRI agents has a bright future. By assembling all important information on the design principles and functioning of magnetic resonance imaging probes, this book intends to be a useful tool for both experts and newcomers in the field. We hope that it helps inspire further work in order to create more efficient and specific imaging probes that will allow materializing the dream of seeing even deeper and better inside the living organisms. Reviews of the First Edition: "...attempts, for the first time, to review the whole spectrum of involved chemical disciplines in this technique..."•Journal of the American Chemical Society "...well balanced in its scope and attention to detail...a valuable addition to the library of MR scientists..."•NMR in Biomedicine

Book Information

Hardcover: 512 pages

Publisher: Wiley; 2 edition (April 15, 2013)

Language: English

ISBN-10: 1119991765

ISBN-13: 978-1119991762

Product Dimensions: 7.7 x 1.2 x 10 inches

Shipping Weight: 2.8 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #3,661,705 in Books (See Top 100 in Books) #93 in• Books > Science & Math > Chemistry > Nuclear Chemistry #607 in• Books > Computers & Technology > Graphics & Design > Computer Modelling > Imaging Systems #1124 in• Books > Science & Math >

[Download to continue reading...](#)

The Chemistry of Contrast Agents in Medical Magnetic Resonance Imaging Hybrid PET/MR Imaging, An Issue of Magnetic Resonance Imaging Clinics of North America, 1e (The Clinics: Radiology) Introduction to magnetic resonance with applications to chemistry and chemical physics (Harper's chemistry series) Cranial Neuroimaging and Clinical Neuroanatomy: Magnetic Resonance Imaging and Computed Tomography (Thieme Classics) Magnetic Resonance Imaging: Physical and Biological Principles, 4e Magnetic Resonance Imaging: Physical Principles and Sequence Design Principles of Magnetic Resonance Imaging: A Signal Processing Perspective Functional Magnetic Resonance Imaging Introduction to magnetic resonance with applications to chemistry and chemical physics Nuclear Magnetic Resonance (Oxford Chemistry Primers) Portal Hypertension: Diagnostic Imaging and Imaging-Guided Therapy (Medical Radiology / Diagnostic Imaging) Principles of Nuclear Magnetic Resonance Microscopy Magnetic Resonance of the Temporomandibular Joint Considerations Magnetic Resonance Scanning and Epilepsy (Nato Science Series A:) Metal Ions in Biological Systems: Volume 21: Applications of Magnetic Resonance to Paramagnetic Species Introduction to Magnetic Resonance Seashells i-Clip Magnetic Page Markers (Set of 8 Magnetic Bookmarks) Medical Terminology: Medical Terminology Easy Guide for Beginners (Medical Terminology, Anatomy and Physiology, Nursing School, Medical Books, Medical School, Physiology, Physiology) Medical Terminology: Medical Terminology Made Easy: Breakdown the Language of Medicine and Quickly Build Your Medical Vocabulary (Medical Terminology, Nursing School, Medical Books) Patient Care in Imaging Technology (Basic Medical Techniques and Patient Care in Imaging Technol)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)