

1. Record Nr.	UNINA9910971405503321
Autore	Knopp Tobias
Titolo	Magnetic particle imaging : an introduction to imaging principles and scanner instrumentation // Tobias Knopp, Thorsten M. Buzug ; with the collaboration of Jorn Borgert and Bernhard Gleich
Pubbl/distr/stampa	Berlin, : Springer, 2012
ISBN	9786613710222 9781280799839 1280799838 9783642041990 364204199X
Edizione	[1st ed. 2012.]
Descrizione fisica	1 online resource (210 p.)
Altri autori (Persone)	BuzugThorsten M. <1963->
Disciplina	616.07/54 616.0754
Soggetti	Tomography Diagnostic imaging
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	Introduction -- How Magnetic Particle Imaging Works -- How to Build an MPI Scanner -- Prior to Reconstruction -- From Data to Images -- Special System Topologies -- Putting MPI to Use.-Fundamentals of Electromagnetism.
Sommario/riassunto	This volume provides a comprehensive overview of recent developments in magnetic particle imaging (MPI), a novel imaging modality. Using various static and oscillating magnetic fields, and tracer materials made from iron oxide nanoparticles, MPI can perform background-free measurements of the particles' local concentration. The method exploits the nonlinear remagnetization behavior of the particles and has the potential to surpass current methods for the detection of iron oxide in terms of sensitivity and spatiotemporal resolution. Starting from an introduction to the technology, the topics addressed include setting up an imaging device, assessment of image quality, development of new MPI tracer materials, and the first preclinical results. This is the first book to be published on magnetic

particle imaging, and it will be an invaluable source of information for everyone with an interest in this exciting new modality.

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2. Record Nr.	UNIORUON00349866
Autore	Richard, Noel
Titolo	Profils symbolistes / Noel Richard
Pubbl/distr/stampa	Paris, : Nizet, 1978
Descrizione fisica	429 p. : ill. ; 23 cm.
Disciplina	844
Soggetti	Letteratura francese - Critica
Lingua di pubblicazione	Francese
Formato	Materiale a stampa
Livello bibliografico	Monografia

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