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Titolo	MRI in Psychiatry // edited by Christoph Mulert, Martha E. Shenton
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ISBN	3-642-54542-4
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (430 p.)
Disciplina	610 612.8 616.0757 616.8047548
Soggetti	Neuroradiology Psychiatry Neuropsychology Neurosciences
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 at the end of each chapters and index.
Nota di contenuto	Methods: MR signal generation -- fMRI -- EEG-fMRI -- DTI -- MR Spectroscopy -- Imaging Genetics.-Brain Stimulation and Imaging -- Systems: Perception -- Emotion -- Cognition.-Reward -- Disorders: Schizophrenia -- Dementia -- Anxiety disorders -- Depression -- Bipolar disorder -- Personality disorders -- Drug addiction.
Sommario/riassunto	This is the first comprehensive textbook on the use of MRI in psychiatry covering imaging techniques, brain systems and a review of findings in different psychiatric disorders. The book is divided into three sections, the first of which covers in detail all the major MRI-based methodological approaches available today, including fMRI, EEG-fMRI, DTI, and MR spectroscopy. In addition, the role of MRI in imaging genetics and combined brain stimulation and imaging is carefully explained. The second section provides an overview of the different brain systems that are relevant for psychiatric disorders, including the systems for perception, emotion, cognition, and reward. The final part of the book presents the MRI findings that are obtained in all the major

psychiatric disorders using the previously discussed techniques. Numerous carefully chosen images support the informative text, making this an ideal reference work for all practitioners and trainees with an interest in this flourishing field. .
