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Pathophysiology of Epilepsy; 13 The Role of Altered Energetics of Neurotransmitter Systems in Psychiatric Disease; Section D: Brain and Mind
14 Long-term Memory: Do Incremental Signals Reflect Engagement of Cognitive Processes?15 Using fMRI to Study the Mind and Brain; 16 Brain and Mind: an NMR Perspective; 17 The Role of the NMR Baseline Signal in the Study of Consciousness: the Restless Brain; Index

Sommario/riassunto

This book is unique in linking in vivo 13C NMR measurements of neuronal activity and energetics with applications to functional imaging and certain disease states It provides a fundamental neurochemical explanation of brain activity applicable to functional imaging, theories of neuronal activity and disease states, e.g. epilepsy, psychiatric diseases and developmental disorders.Novel and potentially controversialWill inspire future research directions