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Titolo	Neurophysiology : Networks, Plasticity, Pathophysiology and Behavior / / edited by Thomas Heinbockel
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Descrizione fisica	1 online resource (286 pages)
Disciplina	612.8
Soggetti	Neurophysiology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1. Clinical Neurophysiology of Epileptogenic Networks -- 2. Neurophysiology Involved in Neuroplasticity: Mechanisms of Forgetting -- 3. Neurophysiology of Emotions -- 4. Neuronal Architecture and Functional Organization of Olfactory Glomeruli -- 5. Quantitative Electroencephalography for Probing Cognitive and Behavioral Functions of the Human Brain -- 6. Resting-State Brain Network Analysis Methods and Applications -- 7. Neuroimaging in Common Neurological Diseases Treated by Anticoagulants -- 8. Sleep Patterns Changes Depending on Headache Subtype and Covariates of Primary Headache Disorders -- 9. The Role of Cognitive Reserve in Executive Functioning and Its Relationship to Cognitive Decline and Dementia -- 10. Understanding the Neuropathophysiology of Psychiatry Disorder Using Transcranial Magnetic Stimulation -- 11. Impact of Hypoxia on Astrocyte Induced Pathogenesis -- 12. Astrocytic Abnormalities in Schizophrenia.
Sommario/riassunto	This book discusses timely topics in the field of neurophysiology ranging from descriptions of nerve cells and glial cells to neural networks, sensory processing, neuroplasticity, neuropathophysiology, and human behavior. As such, all organizational levels of the nervous system are considered in one or more of the book's twelve chapters. The chapters review or present novel findings and provide the reader with an overview of the current state of the art of neurophysiology research. They discuss research advances in different brain regions and experimental models. In addition, the book contributes to the training of current and future neuroscientists and, hopefully, will lead us on the

path to curing some of the biggest challenges in human health.
