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| Nota di contenuto       | Cover; Cognitive Plasticity in Neurologic Disorders; Copyright; Dedication; Contents; Foreword; Contributors; Part One Plasticity of Cognition in Neurologic Disorders; 1 Recovery, Compensation, and Reorganization in Neuropathology: Levels of Conceptual and Methodological Challenges; 2 Seizure-Induced Neuroplasticity and Cognitive Network Reorganization in Epilepsy; 3 Neuroplastic Mechanisms of Language Recovery After Stroke; 4 Cognitive Plasticity in Parkinson's Disease; 5 Neuroplasticity in Multiple Sclerosis; 6 Plasticity of Cognition in Brain Gliomas<br>7 Connectivity Modeling and Neuroplasticity After Traumatic Brain Injury8 Aberrant Brain Plasticity in Autism Spectrum Disorders; 9 Cognitive Plasticity in Healthy Older Adults, Mild Cognitive Impairment, and Alzheimer's Disease: Contributory Factors and Treatment Responses; Part Two Plasticity of Cognition in Neurologic Syndromes; 10 Plasticity in Prefrontal Cortical Networks After Brain Injury: Finding the Optimal Paths; 11 Organic Amnesia: What Factors Determine How Much It Recovers Over Time?; 12 Aging-Related Changes in Neural Substrates of Motor and Cognitive Systems<br>13 Spatially Biased Decisions: Toward a Dynamic Interactive Model of Visual Neglect14 Neuroplasticity in Apraxia Recovery; Part Three |

Plasticity of Cognition and the New Emerging Technologies; 15 Clinical Brain-Machine Interfaces; 16 Assessment and Enhancement of Human Brain Plasticity Using Electromagnetic Stimulation; Index; Color-plates

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## Sommario/riassunto

Cognitive Plasticity in Neurologic Disorders describes and specifies the cognitive impact of neuroplastic processes in key neurologic disorders and syndromes. It is set apart from previous works in this area by its emphasis on the changing quality of neurocognition, demonstrating that this dynamic nature emerges from the neuroplastic processes at work in both mild and severe states of brain disease or injury. This resource describes the ways neurological illness or trauma (or attempts to treat patients with such conditions) can trigger neuroplastic mechanisms in the brain, inducing cognitive r

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