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Autore	Crichton Robert R
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Edizione	[Second edition.]
Descrizione fisica	1 online resource (439 p.)
Altri autori (Persone)	WardRoberta J
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Soggetti	Brain - Pathophysiology Metals - Health aspects Nervous system - Degeneration - Etiology Oxidative stress
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	Brain function, physiology, and the blood-brain barrier -- Role of metal ions in brain function, metal transport, storage, and homeostasis -- Immune system and neuroinflammation -- Oxidative stress in neurodegenerative diseases -- Aging and mild cognitive impairment, MCI -- Parkinson's disease -- Alzheimer's disease -- Huntington's disease and polyglutamine expansion neurodegenerative diseases -- Friedreich's ataxia and diseases associated with expansion of non-coding triplets -- Creutzfeldt-Jakob and other prion diseases -- Amyotrophic lateral sclerosis -- Alcoholic brain damage -- Other neurological diseases -- Therapeutic strategies to combat the onset and progression of neurological diseases.
Sommario/riassunto	Neurodegenerative diseases of the human brain appear in various forms, resulting in disorders of movement and coordination, cognitive deterioration and psychiatric disturbances. Many of the key factors leading to neurodegenerative diseases are similar, including the dysfunction of metal ion homeostasis, redox-active metal ions generating oxidative stress, and intracellular inclusion bodies. Metal-based Neurodegeneration presents a detailed survey of the molecular

origins of neurodegenerative diseases. Each chapter is dedicated to a specific disease, presenting the latest scient

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