

1. Record Nr.	UNINA9910253950503321
Titolo	Neurotoxicity of Metals // edited by Michael Aschner, Lucio G. Costa
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-60189-X
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (VI, 383 p. 33 illus., 14 illus. in color.)
Collana	Advances in Neurobiology, , 2190-5215 ; ; 18
Disciplina	615.9253
Soggetti	Neurochemistry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Developmental Neurotoxicity of Lead -- Manganese and developmental neurotoxicity -- Inherited disorders of manganese metabolism -- Chemical speciation of selenium and mercury as determinant of their neurotoxicity.- Metals and paraoxonases.- Manganese and the Insulin-IGF signaling network in Huntington's disease and other neurodegenerative disorders.- Occupational Metal Exposure and Parkinsonism.- Inflammatory activation of microglia and astrocytes in manganese neurotoxicity.- Aluminum and Alzheimer's disease. - Copper and Alzheimer's Disease.- Uranium and the central nervous system: What should we learn from recent new tools and findings?. - Methylmercury-induced neurotoxicity: focus on pro oxidative events and related consequences.- Neurotoxicity of Vanadium -- Neurotoxicity of Zinc -- Neurotoxicity of Copper.- Thallium toxicity: general issues, neurological symptoms and neurotoxic mechanisms. - Neurodegeneration-induced by metals in Caenorhabditis elegans.
Sommario/riassunto	In this book, international authorities address contemporary research in metal neurotoxicity. Essential and non-essential metals play an important role in neurodevelopmental and neurodegenerative diseases. Recent developments in understanding the role of metals in the etiology of these disorders have led to rapid growth in clarifying the pathology of some of the most devastating diseases we face and in identifying potential new therapies. Few books or periodicals have been wholly dedicated to the topic of metals, and this collection is intended

to serve as a resource for all researchers interested in metals and their role in health and disease.

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