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Titolo	2018 21st International Conference on Electrical Machines and Systems : 7-10 October 2018, Jeju, South Korea // IEEE Industry Applications Society
Pubbl/distr/stampa	Piscataway, New Jersey : , : Institute of Electrical and Electronics Engineers, , 2018
ISBN	89-86510-20-0
Descrizione fisica	1 online resource (418 pages)
Disciplina	621.31042
Soggetti	Electric machinery Electric motors
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
2. Record Nr.	UNINA9910635385103321
Titolo	Brain-Iron Cross Talk // edited by Wael Mohamed, Nicola Luigi Brogazzi, Richard M. Kostrzewa
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2023
ISBN	981-19-7327-X
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (289 pages)
Collana	Nutritional Neurosciences, , 2730-6720
Disciplina	599.0188
Soggetti	Neurosciences Nervous system - Diseases Developmental neurobiology Cognitive neuroscience Neuroscience Neurological Disorders Development of the Nervous System Cognitive Neuroscience
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa

Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	PART I. Iron, Brain Function and Behavior -- Chapter 1. Iron and Neuro-cognition -- Chapter 2. The Interplay Between Iron and Oxidative Stress in Brain Neurodegenerative Diseases -- Chapter 3. Specific Nutritional Therapeutic Approaches Targeting Iron Overload and Other Hallmarks of Brain Degenerative Diseases -- Chapter 4. Mediterranean Diet and Neuro-Cognition: Focus on Alzheimer disease -- PART II Brain disorders related to Iron -- Chapter 5. The Critical Roleplay of Iron Neurochemistry in Progression of Parkinson's Disease -- Chapter 6. Iron-Calcium Crosstalk in Neurodegenerative Diseases -- Chapter 7. Iron and Alzheimer's Disease -- Chapter 8. Iron and Multiple Sclerosis -- Chapter 9. Iron and Epilepsy -- Chapter 10. Iron and Subarachnoid Hemorrhage -- Chapter 11. Iron deficiency and psychiatric disorders -- Chapter 12. Iron and Neuro-developmental Disorders -- Chapter 13. Iron and Neuropathies.
Sommario/riassunto	This book explores the molecular mechanisms of iron hemostasis in the brain and discusses the cognitive and behavioral implications of iron deficiency. It presents the effect of iron dysregulation on neurophysiological mechanisms. The book provides an overview of iron metabolism and homeostasis at the cellular level and its regulation at the mRNA translation level. It emphasizes the importance of iron for brain development in fetal and early life in preterm infants. Further, it presents iron metabolism as a therapeutic target for novel pharmacological treatment against neurodevelopmental diseases and neurodegenerative disorders. It discusses the role of iron deficiency in sleep disorders and offers diagnosis and treatment of iron-related CNS diseases. Finally, it relates dysregulated expression of iron-related genes in brain tumors.