

1. Record Nr.	UNINA9910465826503321
Titolo	Principles of frontal lobe function [[electronic resource] /] / edited by Donald T. Stuss, Robert T. Knight
Pubbl/distr/stampa	Oxford ; ; New York, : Oxford University Press, 2002
ISBN	1-280-83428-5 0-19-803083-5 9786610834280
Descrizione fisica	1 online resource (641 p.)
Altri autori (Persone)	KnightRobert T StussDonald T
Disciplina	612.8/25
Soggetti	Frontal lobes Cerebral cortex Electronic books.
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	Contents; Contributors; 1 Introduction; 2 The Human Frontal Lobes: Transcending the Default Mode through Contingent Encoding; 3 Association Pathways of the Prefrontal Cortex and Functional Observations; 4 Neurochemical Modulation of Prefrontal Cortical Function in Humans and Animals; 5 Functional Architecture of the Dorsolateral Prefrontal Cortex in Monkeys and Humans; 6 Physiology of Executive Functions: The Perception-Action Cycle; 7 The Theatre of the Mind: Physiological Studies of the Human Frontal Lobes; 8 Motor Programming for Hand and Vocalizing Movements 9 Cortical Control of Visuomotor Reflexes10 Disorders of Language After Frontal Lobe Injury: Evidence for the Neural Mechanisms of Assembling Language; 11 The Organization of Working Memory Function in Lateral Prefrontal Cortex: Evidence from Event-Related Functional MRI; 12 The Frontal Cortex and Working with Memory; 13 Memory Retrieval and Executive Control Processes; 14 Dorsal Prefrontal Cortex: Maintenance in Memory or Attentional Selection?; 15 Mechanisms of Conflict Resolution in Prefrontal Cortex; 16 Fractionating the Central Executive; 17 Fractionation of the Supervisory

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32 Frontal Lobe Plasticity and Behavior  
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34 Prefrontal Cortex: The Present and the Future; Index; A; B; C; D; E; F; G; H; I; J; K; L; M; N; O; P; R; S; T; U; V; W; Y; Z

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### Sommario/riassunto

Principles of Frontal Lobe Function provides a comprehensive review of historical and current research on the functions of the frontal lobes and frontal systems of the brain. The content covers frontal lobe functions from birth to old age, from biochemistry and anatomy to rehabilitation, from normal to disrupted function. Two introductory chapters guide, in different ways, reading of subsequent chapters. Following are a number of chapters dealing with basic science - neuroanatomy and neurochemistry. The various theoretical positions proposed reflect the diversity of approaches to the same fund

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