

1. Record Nr.	UNINA9910635383403321
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Titolo	Dorsolateral Prefrontal Cortex : Working Memory and Executive Functions // by Shintaro Funahashi
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2022
ISBN	9789811972683 9789811972676
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (554 pages)
Collana	Brain Science, , 2570-0200
Disciplina	153.733
Soggetti	Neurosciences Human physiology Zoology Neuropsychology Neuroscience Human Physiology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. Dorsolateral prefrontal cortex -- Chapter 2. Historical perspective of prefrontal research -- Chapter 3. Working memory and prefrontal functions -- Chapter 4. Executive control -- Chapter 5. Sensory and Motor Processing -- Chapter 6. Cognitive control -- Chapter 7. Decision-making -- Chapter 8. Metacognition -- Chapter 9. Top-down control -- Chapter 10. Prefrontal cortex and working memory.
Sommario/riassunto	The prefrontal cortex is known to play important roles for performing a variety of higher cognitive functions. Among regions of the prefrontal cortex, the dorsolateral prefrontal cortex plays the most important roles for these functions. This book focuses on functions of the dorsolateral prefrontal cortex, summarizes research results obtained mainly by non-human primate studies, and describes neural mechanisms of executive functions that the dorsolateral prefrontal cortex participates. First, to understand the feature of the dorsolateral prefrontal cortex and how its function has been understood, anatomical and functional features of the dorsolateral prefrontal cortex and

historical overview of prefrontal functions are described. To understand functions of the prefrontal cortex and neural mechanisms of executive functions, working memory is an important concept and sustained activation during the memory period of working memory tasks is known as a neural mechanism of working memory. Therefore, this book describes features of sustained memory-related activity based on neurophysiological results obtained in the prefrontal cortex and how memory-related activity contributes to executive functions including control of attention, inhibitory control, task management, and planning. And further, this book describes how the dorsolateral prefrontal cortex contributes to neural mechanisms for sensory and motor processing, memory control in multi-task performance, decision-making, metacognition, and top-down control. Thus, this book provides important information regarding neural mechanisms of dorsolateral prefrontal functions to neuroscientists and helps to plan further investigation to understand prefrontal functions in primates and human subjects.

2. Record Nr.	UNINA9910349260803321
Titolo	Current Trends in Web Engineering : ICWE 2017 International Workshops, Liquid Multi-Device Software and EnWoT, practi-O-web, NLPIT, SoWeMine, Rome, Italy, June 5-8, 2017, Revised Selected Papers // edited by Irene Garrigós, Manuel Wimmer
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	9783319744339 331974433X
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (XIII, 274 p. 70 illus.)
Collana	Information Systems and Applications, incl. Internet/Web, and HCI, , 2946-1642 ; ; 10544
Disciplina	004.678
Soggetti	Application software Database management Social sciences - Data processing Artificial intelligence Machine theory Computer and Information Systems Applications Database Management Computer Application in Social and Behavioral Sciences Artificial Intelligence Formal Languages and Automata Theory

Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Joint Workshop on Engineering the Web of Things and Liquid Multi-Device Software -- International Workshop on The Practice Of The Open Web -- Third International Workshop on Natural Language Processing for Informal Text -- Third International Workshop on Mining the Social Web -- ICWE 2017 Tutorials.
Sommario/riassunto	This book constitutes the refereed thoroughly refereed post-workshop proceedings of the 17th International Conference on Web Engineering, ICWE 2017, held in Rome, Italy, in June 2017. The 24 revised full papers were selected from 34 submissions. The workshops complement the main conference, and explore new trends on core topics of Web engineering. The workshop committee accepted five workshops of which the following four contributed papers to this volume: - 2nd International Workshop on Liquid Multi-Device Software and 1st International Workshop on Engineering the Web of Things - International Workshop on The Practice Of The Open Web (practi-O-web 2017) - 3rd International Workshop on Natural Language Processing for Informal Text (NLPIT 2017) - 3rd International Workshop on Mining the Social Web (SoWeMine 2017).