

1. Record Nr.	UNINA9910450382903321
Autore	Pulvermuller Friedemann
Titolo	The neuroscience of language : on brain circuits of words and serial order / / Friedemann Pulvermuller [[electronic resource]]
Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 2002
ISBN	1-107-12944-3 0-511-06708-9 1-280-16030-6 9786610160303 1-139-14665-3 0-511-11891-0 0-511-06077-7 0-511-30743-8 0-511-61552-3 0-511-06921-9
Descrizione fisica	1 online resource (xiii, 315 pages) : digital, PDF file(s)
Disciplina	612.7/8
Soggetti	Neurolinguistics Speech Neural networks (Neurobiology)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references (p. 277-295) and index.
Nota di contenuto	Cover; Half-title; Title; Copyright; Contents; Preface; CHAPTER ONE A Guide to the Book; CHAPTER TWO Neuronal Structure and Function; CHAPTER THREE From Classic Aphasia Research to Modern Neuroimaging; CHAPTER FOUR Words in the Brain; CHAPTER FIVE Regulation, Overlap, and Web Tails; CHAPTER SIX Neural Algorithms and Neural Networks; CHAPTER SEVEN Basic Syntax; CHAPTER EIGHT Synfire Chains as the Basis of Serial Order in the Brain; CHAPTER NINE Sequence Detectors; CHAPTER TEN Neuronal Grammar; CHAPTER ELEVEN Neuronal Grammar and Algorithms; CHAPTER TWELVE Refining Neuronal Grammar EXCURSUS FOUR Multiple Reverberation for Resolving Lexical Ambiguity

Sommario/riassunto

How is language organized in the human brain? The Neuroscience of Language, published in 2003, puts forth a systematic model of language to bridge the gap between linguistics and neuroscience. Neuronal models of word and serial order processing are presented in the form of a computational, connectionist neural network. The linguistic emphasis is on words and elementary syntactic rules. Introductory chapters focus on neuronal structure and function, cognitive brain processes, the basics of classical aphasia research and modern neuroimaging of language, neural network approaches to language, and the basics of syntactic theories. The essence of the work is contained in chapters on neural algorithms and networks, basic syntax, serial order mechanisms, and neuronal grammar. Throughout, excursuses illustrate the functioning of brain models of language, some of which are accessible as animations on the book's accompanying web site. It will appeal to graduate students and researchers in neuroscience, psychology, linguistics, and computational modeling.

2. Record Nr.	UNINA9910134369803321
Titolo	Development, growth & differentiation
Pubbl/distr/stampa	[Carlton, Vic.] : , : Blackwell Science, , 1969-
ISSN	1440-169X
Descrizione fisica	1 online resource
Soggetti	Embryology Developmental biology Growth Biologie du developpement Croissance Embryons - Developpement Embryologie Differentiation cellulaire Biologia del desenvolupament Creixement Embriologia Periodicals. Ressource Internet (Descripteur de forme) Periodique electronique (Descripteur de forme) Revistes electròniques.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Refereed/Peer-reviewed "Official journal of the Japanese Society of Developmental Biologists."