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Nota di contenuto	Exploring Chinese reading development: Framework, instructional systems, and cognitive factors -- Neural signatures for the statistical learning of Chinese language processing -- A visual account of acquisition of Chinese reading by the Deaf in Taiwan -- Shared book reading, predictive brain signal and language in infants -- Evidence of eye movements for the role of contextual predictability in Chinese word recognition during the reading of sentences -- The foreign language effect beyond language -- Reciprocal relationship between statistical learning and language processing -- Sophisticated neuroimaging methods to study the brain circuit for language comprehension -- Using naturalistic brain imaging to investigate fictional narrative comprehension -- Empower second language learning by technology: From the perspective of cognitive neuroscience -- Language comprehension, Chinese reading, and the aging brain -- ERP evidence for the modulation of semantic transparency on the recollection of two-character Chinese words -- On the applications of information theoretic approaches to study language and motor control -- Human judgment biases: From behavior to neural implementations.

Sommario/riassunto

This book provides a comprehensive and concise introduction of experiments on contemporary issues of language processing and the brain. It covers a wide range of neurolinguistic and neuroscience topics, including but not limited to word recognition, reading acquisition and dyslexia (in typically developed children, foreign language learners, and deaf people), comprehension of sentences and fictional narratives, the interplay of language processing/acquisition with other cognitive domains, and aging of language comprehension and Chinese reading. This book showcases the significance of empirical studies on language and cognitive processing, particularly those emerging from the Taiwan research community, to illuminate the intricate nature of the language faculty enabled by the sophisticated computations of the brain. This book informs readers of crucial issues in the neurolinguistic literature and advances in neuroimaging technology and provides perspectives inspired by evolution and neuroscience.