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Titolo	Neural plasticity and cognitive development [[electronic resource]] : insights from children with perinatal brain injury / / Joan Stiles ... [et al.]
Pubbl/distr/stampa	New York, : Oxford University Press, c2012
ISBN	0-19-025571-4 0-19-023502-0 1-280-59589-2 9786613625724 0-19-993850-4
Descrizione fisica	1 online resource (383 p.)
Altri autori (Persone)	StilesJoan
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Soggetti	Neuroplasticity Brain - Growth Electronic books.
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Neuroplasticity and the developing brain -- The basics of brain development -- Etiology and neurological effects of perinatal stroke -- Somatosensory and motor processes -- Visuospatial processes -- Attention, memory, and executive functions -- Early communicative development to first words -- Later language development : syntax and discourse -- Plasticity of overall intellectual functioning : evidence from standardized tests -- Clinical implications -- Toward and integrative model of neurobehavioral development.
Sommario/riassunto	The advent of modern neurobiological methods over the last three decades has provided overwhelming evidence that it is the interaction of genetic factors and the experience of the individual that guides and supports brain development. Brains do not develop normally in the absence of critical genetic signaling, and they do not develop normally in the absence of essential environmental input. The key to understanding the origins and emergence of both the brain and behavior lies in understanding how inherited and environmental factors

are engaged in the dynamic and interactive processes that defi