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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. The Biology of Change -- Viewpoints on Development -- Analyzing Development -- Why Take a Cognitive Neuroscience Approach to Development? -- Why Take a Developmental Approach to Cognitive Neuroscience? -- The Cause of Developmental Change -- Three Viewpoints on Human Functional Brain Development-- Looking Forward-- 2. Methods and Populations -- Introduction -- Behavioral and Cognitive Tasks-- Assessing Brain Function in Development -- Observing Brain Structure in Development-- Animal Studies and Genetics -- Developmental Disorders -- Atypically Developing Brains-- Sensory and Environmental Perturbations -- Familial Risk Populations -- 3. From Gene to Brain-- The History of the Gene -- Principles of Gene Function-- Genetics and Developmental Cognitive Neuroscience-- The Epigenome -- The FOXP2 Gene -- 4. Building a Brain -- An Overview of Primate Brain Anatomy -- Prenatal Brain Development -- Postnatal Brain Development -- The Development of

Cortical Areas: Protomap or Protocortex? -- Cortical Plasticity -- Differential Development of Human Cortex -- Postnatal Brain Development: Adolescence -- Postnatal Brain Development: The Hippocampus and Subcortical Structures -- Neurotransmitters and Neuromodulators-- What Makes a Brain Human? -- 5. Vision, Orienting, and Attention -- The Development of Vision -- The Development of Visual Orienting-- Saccade Planning-- Visual Attention -- 6. Perceiving and Acting in a World of Objects -- The Dorsal and Ventral Visual Pathways-- Hidden Objects -- Neural Oscillations and Object Processing -- 7. Perceiving and Acting in the Social World -- The Social Brain-- Face Recognition -- Filial Imprinting in Chicks -- Brain Development and Face Recognition-- Perceiving and Acting on the Eyes -- Understanding and Predicting the Behavior of Others -- The Atypical Social Brain -- 8. Learning and Long-Term Memory-- Development of Explicit Memory -- Implicit Memory -- 9. Language— Introduction -- Are Some Parts of Cortex Critical for Language Acquisition? -- Neural Basis of Speech Processing in Infants -- Influence of Experience on Brain Language Processing -- Neural Correlates of Typical and Atypical Language Acquisition -- 10. Prefrontal Cortex, Working Memory, and Decision-Making -- Introduction-- Prefrontal Cortex, Object Permanence, and Working Memory -- Prefrontal Cortex, Social Decision-Making, and Adolescence -- Prefrontal Cortex, Skill Learning, and Interactive Specialization -- 11. Cerebral Lateralization -- General Summary and Conclusions -- 12. Educational Neuroscience – Numeracy -- Literacy-- 13. Interactive Specialization-- Three Viewpoints on Human Functional Brain Development-- Interactive Specialization-- Selective Pruning -- Parcellation and Emergent Modularity -- Emerging Networks-- 14. Toward an Integrated Developmental Cognitive Neuroscience-- Genes and Cognitive Development-- Relations Between Brain Structure and Function in Development – Neuroconstructivism -- Criticisms of Developmental Cognitive Neuroscience -- Applications of Developmental Cognitive Neuroscience.
