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Associative Learning; Chapter 7: The Development of Spatial Cognition; Mental Rotation; Spatial Pattern Processing; Spatial Navigation; Chapter 8: The Development of Object Recognition
Occipitotemporal Cortex Amygdala; Role of Experience; Is There a Visuospatial Module?; Chapter 9: The Development of Social Cognition; Processing Social Information in the Face; Facial Expressions of Emotion; Eye Gaze; Neural Bases; Occipitotemporal Regions; Superior Temporal Sulcus; Amygdala; Frontal Cortex; Other Brain Areas; Role of Experience; Summary; Theory of Mind; Conclusions; Chapter 10: The Development of Higher Cognitive (Executive) Functions; Domains of Executive Function; Visuospatial Working Memory; Visuospatial Recognition and Recall Memory; Working Memory Redoux Inhibitory Control Attentional Control; Chapter 11: The Development of Attention; Alerting, Vigilance, or Arousal; Orienting; Conclusion; Chapter 12: The Future of Developmental Cognitive Neuroscience; References; Index

Sommario/riassunto

A new understanding of cognitive development from the perspective of neuroscience This book provides a state-of-the-art understanding of the neural bases of cognitive development. Although the field of developmental cognitive neuroscience is still in its infancy, the authors effectively demonstrate that our understanding of cognitive development is and will be vastly improved as the mechanisms underlying development are elucidated. The authors begin by establishing the value of considering neuroscience in order to understand child development and then provide an overview of brain
