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Soggetti	Sex differences Sex differences (Psychology) Brain - Sex differences Human behavior - Physiological aspects Sex factors in disease Brain - physiology Sex Characteristics Behavior - physiology Central Nervous System Diseases - physiopathology Mental Disorders - physiopathology Mental Processes - physiology Sex Factors
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Why are there two sexes? / Turk Rhen and David Crews -- Sex differences in the brain: what's old and what's new / Margaret M. McCarthy and Arthur P. Arnold -- Research and methodological issues in the study of sex differences and hormone-behavior relations / Lisa Eckel ... [et al.] -- Methodological issues in the study of hormone-behavior relations in humans: understanding and monitoring the menstrual cycle / Elizabeth Hampson and Elizabeth A. Young -- Sex differences in pharmacogenomics as a tool to study CNS disorders / Julia Pinsonneault and Wolfgang Sadee -- Sex differences in HPA axis

regulation / Elizabeth A. Young ... [et al.] -- Steroid hormone receptors and sex differences in behavior / Toni R. Pak and Robert J. Handa -- Sex differences affiliative behavior and social bonding / Larry J. Young and C. Sue Carter -- Sex differences in the organization of movement / Evelyn F. Field and Ian Q. Wishaw -- Sex differences in motivation / Jill B. Becker and Jane R. Taylor -- Sex differences in neuroplasticity / Csaba Leranth, Neil J. MacLusky, and Tibor Hajszan -- Sex differences in cognitive function in rodents / Victoria Luine and Gary Dohanich -- Sex differences in energy metabolism, obesity, and eating behavior / Nori Geary and Jennifer Lovejoy -- Sex differences in children's play / Sheri A. Berenbaum ... [et al.] -- Sex differences in the neurocognition of language / Michael T. Ullman, Robbin A. Miranda, and Michelle L. Travers -- Endocrine contributions to sex differences in visuospatial perception and cognition / Elizabeth Hampson -- Sex differences in infectious and autoimmune diseases / Sabra L. Klein -- Sex differences in neuroimmunology / Steven S. Zalcman -- Sex differences in pain / Emeran A. Mayer, Jennifer S. Labus, and Karen S. Berkley -- Sex differences in anxiety disorders / Margaret Altemus and Laura Epstein -- Hormones and mood / Meir Steiner and Elizabeth A. Young -- Sex differences in brain aging and Alzheimer's disorders / Susan Resnick and Ira Driscoll -- Sex differences in Parkinson's disease / David G. Standaert and Ippolita Cantuti-Castelvetri.

Sommario/riassunto

Sex is a fundamentally important biological variable. Recent years have seen significant progress in the integration of sex in many aspects of basic and clinical research, including analyses of sex differences in brain function. Significant advances in the technology available for studying the endocrine and nervous systems are now coupled with a more sophisticated awareness of the interconnections of these two communication systems of the body. A thorough understanding of the current knowledge, conceptual approaches, methodological capabilities, and challenges is a prerequisite to continued
