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Titolo	Reproductive genomics in domestic animals [[electronic resource] /] / edited by Zhihua Jiang, Troy L. Ott
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Altri autori (Persone)	JiangZhihua <1959-> OttTroy L
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Nota di contenuto	Reproductive Genomics in Domestic Animals; Contents; Contributors; Preface; Part I: Quantitative Genomics of Reproduction; 1: Reproductive Genomics: Genome, Transcriptome, and Proteome Resources; 2: Quantitative Genomics of Female Reproduction; 3: Quantitative Genomics of Male Reproduction; 4: Genetics and Genomics of Reproductive Disorders; 5: Genomics of Reproductive Diseases in Cattle and Swine; 6: Comparative Genomics of the Y Chromosome and Male Fertility; 7: Mitochondriomics of Reproduction and Fertility; Part II: Physiological Genomics of Reproduction 8: Functional Genomics Studies of Ovarian Function in Livestock: Physiological Insight Gained and Perspective for the Future9:

Physiological Genomics of Preimplantation Embryo Development in Production Animals; 10: Physiological Genomics of Conceptus-Endometrial Interactions Mediating Corpus Luteum Rescue; 11: Physiological Genomics of Placental Growth and Development; 12: Cellular, Molecular, and Genomic Mechanisms Regulating Testis Function in Livestock; Part III: Genomics and Reproductive Biotechnology

13: The Epigenome and Its Relevance to Somatic Cell Nuclear Transfer and Nuclear Reprogramming; 14: Biotechnology and Fertility Regulation; 15: Proteomics of Male Seminal Plasma; 16: Evolutionary Genomics of Sex Determination in Domestic Animals; 17: Toxicogenomics of Reproductive Endocrine Disruption; 18: Nutrigenomics for Improved Reproduction; Index

Sommario/riassunto

Reproductive Genomics in Domestic Animals is a thorough examination of genomics in the livestock industry, encompassing genome sciences, genome biotechnology, and reproduction. Recent developments in molecular genetics and genomics have enabled scientists to identify and characterize genes contributing to the complexity of reproduction in domestic animals, allowing scientists to improve reproductive traits. Providing the livestock industry with essential tools for enhancing reproductive efficiency, Reproductive Genomics in Domestic Animals surveys the current status of reproducti

2. Record Nr.	UNISA996200248103316
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Descrizione fisica	1 online resource (200 p.)
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Nota di contenuto	ADVANCES IN CHEMICAL PHYSICS-VOLUME VIII; CONTENTS; PART I ELECTRONIC STRUCTURE AND SPECTRA; Some recent developments in the quantum theory of many-electron systems and the correlation problem.; Calculation of transition energies from the geometry of the system.; Optical absorptions and charge transfer states.; Model calculations in the theory of mixed-crystal spectra.; Applications of ligand-field theory to complexes.; PART II CHEMICAL AND BIOCHEMICAL ACTIVITY; Chemical reactivity.; A self-consistent field molecular orbital treatment of carbonyl base strength. Chemisorption of ethylene on metals and catalytic hydrogenation. Steroids, purine-pyrimidine pairs and polycyclic aromatic carcinogens.; Some aspects of the biological problems of heredity, mutations, aging, and tumours in view of the quantum theory of the DNA molecule.; Author index; Subject index
Sommario/riassunto	The Advances in Chemical Physics series provides the chemical physics and physical chemistry fields with a forum for critical, authoritative evaluations of advances in every area of the discipline. Filled with cutting-edge research reported in a cohesive manner not found elsewhere in the literature, each volume of the Advances in Chemical

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