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Nota di contenuto	Harnessing Transcriptomics to Study Insect Biology / Kyle M. Lewald, Joanna C. Chiu -- From Reads to Genes / Chengran Zhou, Guanliang Meng, Shanlin Liu -- Transcriptomics in Pest Management Research / Antonino Malacrino -- Aphid Transcriptomics-Past, Present and Future / Sampurna Sattar, Gary A. Thompson -- Transcriptomic Research on Honey Bee-Associated Pathogens / James P. Tauber -- Cytochrome P450s in the Era of Transcriptomics / Bernarda Calla, May R. Berenbaum -- Whole-body Transcriptome of the Douglas-fir Seed Chalcid, Megastigmus spermotrophus, Reveals Ecological and Evolutionary Insights / Amber R. Paulson, Jurgen Ehling, Patrick von Aderkas, Steven J. Perlman -- Differential Transcriptome Profiling for Identification of Cellulose Degrading Enzymes in Ctenolepisma longicaudata / Ratnasri Pothula, Brian R. Johnson, William E. Klingeman, Matthew Huff, Margaret E. Staton, Juan Luis Jurat-Fuentes -- Using RNA-Seq to Help Identify Functions in Unknown Organs / Matan Shelomi -- A practical guide for functional transcriptomics: A case study in RNA interference and qPCR to understand the explosive chemistry of Brachinus bombardier beetles (Coleoptera: Carabidae) / Aman Gill, Melanie Gee, Kipling Will.
Sommario/riassunto	"While "genomics" is becoming a household term, knowing the genome of an organism alone provides relatively little information. Between the

genome and the final organism is the "transcriptome" that tells us which genes are expressed and translated into proteins in a certain cell or tissue of an organism at a given time and specific situation. The transcriptome tells you what genes are being "transcribed" at any given moment, providing the wealth of data and specificity of proteomics with the relative ease of study of genetics. Transcriptomics technology thus has myriad uses, and the goal of this book is to showcase the extraordinary diversity of ways transcriptomics can be utilised in entomological research, from basic to applied, from ecology to physiology to agricultural"--
