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Nota di contenuto	Vignettes of the History of Genetics / George P. Re´dei -- Food and Health: The Role of Plant Breeding / Salvatore Ceccarelli -- The Importance of Plant Pan-genomes in Breeding / Soodeh Tirnaz, David Edwards and Jacqueline Batley -- Genome Editing Technologies for Crop Improvement / Michael Pillay -- Epigenome Editing in Crop Improvement / Gurbachan S. Miglani and Rajveer Singh -- Bioinformatics and Plant Breeding / Robyn Anderson, Cassandra Tay Fernandez, Monica F. Danilevicz and David Edwards -- Bioinformatics Approaches for Pathway Reconstruction in Orphan Crops -- A New Paradigm / Dyfed Lloyd Evans and Shailesh Vinay Joshi -- Advances in QTL Mapping and Cloning / Dharminder Bhatia and Darshan S. Brar -- Genotype-Environment Interaction and Stability Analyses: An Update / Manjit S. Kang -- Biplot Analysis of Multi-environment Trial Data / Weikai Yan and L.A. Hunt -- Design and Analysis of Multi-year Field Trials for Annual Crops / Vivi N. Arief, Ian H. DeLacy and Kaye E. Basford -- Advances in the Definition of Adaptation Strategies and Yield-stability Targets in Plant Breeding / Paolo Annicchiarico -- Prediction with Big Data in the Genomic and High-throughput Phenotyping Era: A Case Study with Wheat Data / Paulino Pe´rez-Rodr´ıguez, Juan Burguen~o, Osval A. Montesinos-Lo´pez, Ravi P.

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Sommario/riassunto

"Quantitative genetics and breeding have made a major contribution to crop improvement over the years, but the genomics revolution has dramatically changed the field - this second edition of a popular book explains how traditional and genomic techniques have been combined to advance the field"--
