

1. Record Nr.	UNINA9910346914303321
Autore	Lambrecht Andreas
Titolo	True-Time-Delay Beamforming für ultrabreitbandige Systeme hoher Leistung
Pubbl/distr/stampa	KIT Scientific Publishing, 2010
ISBN	1000018294
Descrizione fisica	1 online resource (VIII, 176 p. p.)
Collana	Karlsruher Forschungsberichte aus dem Institut für Hochfrequenztechnik und Elektronik
Soggetti	Technology: general issues
Lingua di pubblicazione	Tedesco
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	In dieser Arbeit werden folgende Punkte, zum Teil erstmalig, untersucht:- Entwicklung eines analytischen Modells zum schnellen Design von Rotman-Linsen- Rotman-Linsen im Zeitbereich bei transienten Eingangssignalen- Leistungsaufteilung innerhalb einer Rotman-Linse- Untersuchung der Rotman-Linse im Frequenzbereich 450 MHz bis 5 GHz- Untersuchung einer Vivaldi-Antenne im Frequenzbereich 450 MHz bis 5 GHz- Systemtheoretische Abschätzung der Funktionalität der Rotman-Linse in einem HPEM-System

2. Record Nr.	UNINA9910557371803321
Autore	Chin Joong Hyoun
Titolo	Recent Advances in Genetics and Breeding of Major Staple Food Crops
Pubbl/distr/stampa	Basel, Switzerland, : MDPI - Multidisciplinary Digital Publishing Institute, 2021
Descrizione fisica	1 online resource (314 p.)
Soggetti	Biology, life sciences Research & information: general Technology, engineering, agriculture
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	<p>To meet the global food demand of an increasing population, food production has to be increased by 60% by 2050. The main production constraints, such as climate change, biotic stresses, abiotic stresses, soil nutrition deficiency problems, problematic soils, etc., have to be addressed on an urgent basis. More than 50% of human calories are from three major cereals: rice, wheat, and maize. The harnessing of genetic diversity by novel allele mining assisted by recent advances in biotechnological and bioinformatics tools will enhance the utilization of the hidden treasures in the gene bank. Technological advances in plant breeding will provide some solutions for the biofortification, stress resistance, yield potential, and quality improvement in staple crops. The elucidation of the genetic, physiological, and molecular basis of useful traits and the improvement of the improved donors containing multiple traits are key activities for variety development. High-throughput genotyping systems assisted by bioinformatics and data science provide efficient and easy tools for geneticists and breeders. Recently, new breeding techniques applied in some food crops have become game-changers in the global food crop market. With this background, we invited 18 eminent researchers working on food crops from across the world to contribute their high-quality original research</p>

manuscripts. The research studies covered modern food crop genetics and breeding.

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