

1. Record Nr.	UNINA9910299488303321
Titolo	Frequency references, power management for SoC, and smart wireless interfaces : advances in analog circuit design 2013 // Andrea Baschiroto, Kofi A.A. Makinwa, Pieter Harpe, editors
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , 2014
ISBN	3-319-01080-8
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (xii, 329 pages) : illustrations (some color)
Collana	Gale eBooks
Disciplina	620 621.381 621.3815
Soggetti	Electronic analog computers - Circuits
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Part I Frequency References -- Dual Core Frequency References for Mobile Applications In 65-NM CMOS -- A Piezo-Resistive, Temperature Compensated, MEMS-Based Frequency Synthesizer -- A MEMS TCXO With Sub-PPM Stability -- UHF Clocks Based On Ovenized AIN MEMS Resonators -- A Monolithic CMOS Self-Compensated LC Oscillator Across Temperature -- Towards Portable Miniature Atomic Clocks -- Part II Power Management for System-on-Chip -- From AC to DC and Reverse, The Next Fully Integrated Power Management Challenge -- Fully Integrated Switched-Capacitor DC-DC Conversion.
Sommario/riassunto	This book is based on the 18 tutorials presented during the 22nd workshop on Advances in Analog Circuit Design. Expert designers present readers with information about a variety of topics at the frontier of analog circuit design, including frequency reference, power management for systems-on-chip, and smart wireless interfaces. This book serves as a valuable reference to the state-of-the-art, for anyone involved in analog circuit research and development. · Provides a state-of-the-art reference in analog circuit design, written by experts from industry and academia; · Presents material in a tutorial-based format; · Includes coverage of frequency reference, power management for systems-on-chip, and smart wireless interfaces.

