

1. Record Nr.	UNINA9910688315903321
Autore	James Alex
Titolo	Memristors : Circuits and Applications of Memristor Devices / / Alex James
Pubbl/distr/stampa	London : , : IntechOpen, , 2020
Descrizione fisica	1 online resource (132 pages)
Disciplina	621.38154
Soggetti	Memristors
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 2 Memristor Synapses for Neuromorphic Computing -- 13 -- Chapter3 Coexistence of Bipolar and Unipolar Memristor Switching Behavior -- 27 -- Chapter4 Memristive Grid for Maze Solving -- 45 -- Chapter5 Mathematical Analysis of Memristor CNN -- 69 -- Chapter6 Memristor Behavior under Dark and Violet Illumination in Thin -- 87 -- Chapter7 Application of Probe Nanotechnologies for Memristor Structures -- 101 -- Copyright.
Sommario/riassunto	This Edited Volume Memristors - Circuits and Applications of Memristor Devices is a collection of reviewed and relevant research chapters, offering a comprehensive overview of recent developments in the field of Engineering. The book comprises single chapters authored by various researchers and edited by an expert active in the physical sciences, engineering, and technology research areas. All chapters are complete in itself but united under a common research study topic. This publication aims at providing a thorough overview of the latest research efforts by international authors on physical sciences, engineering, and technology, and open new possible research paths for further novel developments.