

1. Record Nr.	UNINA9910781211003321
Autore	Li Ming-Fu
Titolo	Selected semiconductor research [[electronic resource] /] / Ming-Fu Li
Pubbl/distr/stampa	London, : Imperial College Press, 2011
ISBN	1-283-14818-8 9786613148186 1-84816-407-6
Descrizione fisica	1 online resource (529 p.)
Disciplina	621.3815/2
Soggetti	Semiconductors - Research Nanoelectronics - Research
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Two columns to the page.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Preface; Contents; Introduction; Chapter 1. Defects in Semiconductors; Chapter 2. Semiconductor Band Structures; Chapter 3. Analog Integrated Circuit Design; Chapter 4. CMOS Device Reliability; Chapter 5. CMOS Technology; Chapter 6. Nano CMOS Device Quantum Simulation; Complete List of Publications; Biography
Sommario/riassunto	This unique volume assembles the author's scientific and engineering achievements of the past three decades in the areas of: semiconductor physics and materials, including topics in deep level defects and band structures, CMOS devices, including the topics in device technology, CMOS device reliability, and nano CMOS device quantum modeling, and Analog Integrated circuit design. It reflects the scientific career of a semiconductor researcher educated in China during the 20th century. This book can be referenced by research scientists, engineers, and graduate students working in the areas of sol