

1. Record Nr.	UNINA9910766893903321
Titolo	Handbook of Integrated Circuit Industry // edited by Yangyuan Wang [and three others]
Pubbl/distr/stampa	Singapore : , : Springer, , [2024] ©2024
ISBN	981-9928-36-2
Edizione	[First edition.]
Descrizione fisica	1 online resource (1014 illus., 5 illus. in color. eReference.)
Disciplina	354.81150006
Soggetti	Integrated circuits industry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Technology and Industrial Development of Integrated Circuits -- Classification and Applications of Integrated Circuit Products -- Economy and Investment of Integrated Circuit Industry -- Establishment and construction of Manufacturing Lines for Integrated Circuits -- Design of Integrated Circuits -- Integrated Circuit Manufacturing Technology and Management -- Testing and Packaging Technology for Integrated Circuits -- Manufacturing Equipment and Testing Instruments for Integrated Circuits -- Special Materials for Integrated Circuit Manufacturing -- Fundamental Research and Development of Advanced Technology for Integrated Circuits.
Sommario/riassunto	Written by hundreds experts who have made contributions to both enterprise and academics research, these excellent reference books provide all necessary knowledge of the whole industrial chain of integrated circuits, and cover topics related to the technology evolution trends, fabrication, applications, new materials, equipment, economy, investment, and industrial developments of integrated circuits. Especially, the coverage is broad in scope and deep enough for all kind of readers being interested in integrated circuit industry. Remarkable data collection, update marketing evaluation, enough working knowledge of integrated circuit fabrication, clear and accessible category of integrated circuit products, and good equipment insight explanation, etc. can make general readers build up a clear overview about the whole integrated circuit industry. This encyclopedia is

designed as a reference book for scientists and engineers actively involved in integrated circuit research and development field. In addition, this book provides enough guide lines and knowledges to benefit enterprisers being interested in integrated circuit industry.
