

1.	Record Nr.	UNINA990001002440403321
	Autore	Gueben, E.
	Titolo	La Methode D'analyse par Activation en Utilisant les Neutrons d'une Source Ra - Be / Par G. Gueben et J. Govaerts
	Pubbl/distr/stampa	Bruxelles : Institut Interuniversitaire des Sciences Nucléaires, 1962
	Collana	Monographie ; 2
	Disciplina	539.77
	Locazione	FI1
	Collocazione	34AII-022
	Lingua di pubblicazione	Francese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
2.	Record Nr.	UNINA990000791290403321
	Autore	Nazzaro, Antonio <1938- >
	Titolo	Il Vesuvio : storia eruttiva e teorie vulcanologiche / Antonio Nazzaro
	Pubbl/distr/stampa	Napoli : Liguori, 1997
	ISBN	88-207-2544-4
	Descrizione fisica	374 p. : ill. ; 25 cm
	Collana	Geofisica dell'ambiente e del territorio ; 3
	Locazione	FARBC FSPBC FI1 FINBC
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	Lingua di pubblicazione	Italiano
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3. Record Nr.	UNINA9910688561203321
Autore	Koos Christian
Titolo	Nanophotonic Devices for Linear and Nonlinear Optical Signal Processing
Pubbl/distr/stampa	KIT Scientific Publishing, 2007
ISBN	1000007120
Descrizione fisica	1 online resource (XIV, 204 p. p.)
Collana	Karlsruhe Series in Photonics & Communications / Universität Karlsruhe (TH), Institute of High-Frequency and Quantum Electronics (IHQ)
Soggetti	Technology: general issues
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	High index-contrast nanophotonic devices are key components for future board-to-board and chip-to-chip optical interconnects: The strong confinement of light enables dense integration, and nonlinear effects can be exploited at low power levels. Cheap large-scale production is possible by using highly parallel microfabrication techniques, and semiconductor-based nanophotonic devices can be integrated together with electronic circuitry on a common chip. Particularly intense research is carried out to realise optical devices on silicon substrates, using mature complementary metal-oxide-semiconductor (CMOS) fabrication techniques. This book discusses the modelling, fabrication and characterization of linear and nonlinear nanophotonic devices. Roughness-related scattering loss in high index-contrast waveguides is investigated both theoretically and experimentally, and methods of loss reduction are developed. Novel silicon-based devices for electro-optic modulation and for all-optical signal processing are presented. Nonlinear dynamics in active quantum-dot devices are studied, and resonant field enhancement is exploited to improve the efficiency of nonlinear interaction.