1. Record Nr. UNINA9910657170603321

Titolo	The best Australian science writing 2018 / / edited by John Pickrell ; foreword by Professor Michelle Simmons
Pubbl/distr/stampa	Sydney, New South Wales : , : NewSouth, , [2018] ©2018
ISBN	1-74224-434-3
Descrizione fisica	1 online resource (292 pages)
Disciplina	808.0666
Soggetti	Technical writing - Australia Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910254607803321

Titolo	Contemporary Optoelectronics : Materials, Metamaterials and Device Applications / / edited by Oleksiy Shulika, Igor Sukhoivanov
Pubbl/distr/stampa	Dordrecht : , : Springer Netherlands : , : Imprint : Springer, , 2016
ISBN	94-017-7315-7
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (X, 234 p. 121 illus., 66 illus. in color.)
Collana	Springer Series in Optical Sciences, , 0342-4111 ; ; 199
Disciplina	620.11
Soggetti	Lasers Photonics Optical materials Electronics - Materials Microwaves Optical engineering Optics, Lasers, Photonics, Optical Devices Optical and Electronic Materials Microwaves, RF and Optical Engineering
Lingua di pubblicazione	Inglese

Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	From the Contents: Advanced Optoelectronics -- III-V Nanowires for Optoelectronic Applications -- Advances in Optoelectronic Approaches for Wideband and Programmable Processing of Ultrafast Signals -- From Order to Chaos and back: a High-Level Coupling Approach for Cryptography of Transmitted Data.
Sommario/riassunto	This book presents a collection of extended contributions on the physics and application of optoelectronic materials and metamaterials. The book is divided into three parts, respectively covering materials, metamaterials and optoelectronic devices. Individual chapters cover topics including phonon-polariton interaction, semiconductor and nonlinear organic materials, metallic, dielectric and gyrotropic metamaterials, singular optics, parity-time symmetry, nonlinear plasmonics, microstructured optical fibers, passive nonlinear shaping of ultrashort pulses, and pulse-preserving supercontinuum generation. The book contains both experimental and theoretical studies, and each contribution is a self-contained exposition of a particular topic, featuring an extensive reference list. The book will be a useful resource for graduate and postgraduate students, researchers and engineers involved in optoelectronics/photonics, quantum electronics, optics, and adjacent areas of science and technology.