

1. Record Nr.	UNISA996466796403316
Titolo	Defects and Impurities in Silicon Materials [[electronic resource] ] : An Introduction to Atomic-Level Silicon Engineering / / edited by Yutaka Yoshida, Guido Langouche
Pubbl/distr/stampa	Tokyo : , : Springer Japan : , : Imprint : Springer, , 2015
ISBN	4-431-55800-4
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (XV, 487 p. 292 illus., 180 illus. in color.)
Collana	Lecture Notes in Physics, , 0075-8450 ; ; 916
Disciplina	546.683
Soggetti	Semiconductors Nanotechnology Engineering—Materials Solid state physics Nanoscale science Nanoscience Nanostructures Materials Engineering Nanotechnology and Microengineering Solid State Physics Nanoscale Science and Technology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Diffusion and point defects in silicon materials -- Density functional modeling of defects and impurities in silicon materials -- Electrical and optical defect evaluation techniques for electronic and solar grade silicon -- Intrinsic point defect engineering during single crystal Si and Ge growth from a melt -- Computer simulation of crystal growth for CZ-Si single crystals and Si solar cells -- Oxygen precipitation in silicon -- Defect characterization by electron beam induced current and cathode luminescence methods -- Nuclear methods to study defects and impurities in Si materials using heavy ion accelerators -- Defect Engineering in silicon materials.
Sommario/riassunto	This book emphasizes the importance of the fascinating atomistic

insights into the defects and the impurities as well as the dynamic behaviors in silicon materials, which have become more directly accessible over the past 20 years. Such progress has been made possible by newly developed experimental methods, first principle theories, and computer simulation techniques. The book is aimed at young researchers, scientists, and technicians in related industries. The main purposes are to provide readers with 1) the basic physics behind defects in silicon materials, 2) the atomistic modeling as well as the characterization techniques related to defects and impurities in silicon materials, and 3) an overview of the wide range of the research fields involved.

2. Record Nr.	UNINA9910822972003321
Titolo	Ecocriticism in Taiwan : identity, environment, and the arts / / edited by Chia-ju Chang and Scott Slovic
Pubbl/distr/stampa	Lanham, Maryland : , : Lexington Books, , 2016 ©2016
ISBN	1-4985-3828-2
Descrizione fisica	1 online resource (241 pages)
Collana	Ecocritical theory and practice
Disciplina	809/.933553
Soggetti	Ecocriticism
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- Island identities, eco-postcolonial historiography, and alter(native) strategies. Going back into a future of simplicity: Taiwan aborigines' sustainable utilization of natural resources / Ming-tu Yang -- (W)ri(gh)ting climate change in Neqou Soqluman's work / Hsinya Huang -- Taiwan is a whale: the emerging oneness of dark blue and human identity in Chia-hsiang Wang's historical fiction / Shu-fen Tsai -- Taiwanese mountain and river literature from a postcolonial perspective / Peter I-min Huang -- Agrarian origin stories, national imaginaries, and the ironies of modern environmentalism: on Chi-po Lin' Beyond beauty: Taiwan from above / Hannes Bergthaller -- Slow

violence, creative activism, and environmental movements. Toxic objects, slow violence, and the ethics of trans-corporeality in Chi Wen-chang's *The poisoned sky* / Robin Chen-hsing Tsai -- Imagining the great Pacific garbage patch and spectacles of environmental disaster: environmental entanglement and literary engagement in Wu Ming-yi's *The man with the compound eyes* / Rose Hsui-li Juan -- If nature had a voice: a material-oriented environmental reading of *The man with the compound eyes* / Yalan Chang -- Imagining catastrophe: nuclear issues in postwar Taiwan literature / Hueichu Chu -- Pre-texts for tree-texts, W.S. Merwin and *The trees of Taiwan* / Iris Ralph -- Revisiting resistance: urban foraging, public markets, and new organic landscape / Serena Shiuhhuah Chou -- Animal fiction, avant-garde art, and posthumanist ecoaesthetics. -- What's in a plant?: the transcorporeality in yucca invest trading plant / Iping Liang -- Becoming-animal: Liu Kexiang's writing apprenticeship on birds / Yulin Lee -- Aesthetic configurations and qualia in environmental consciousness in contemporary Taiwanese poetry and installation art / Dean A. Brink -- Utopia in theatre: Mulian rescues mother earth / Shih-yi Huang.

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#### Sommario/riassunto

Despite the vibrant development of the field of ecocriticism on the island of Taiwan, there has, as yet, been no single volume in English dedicated to illustrating Taiwan's important contributions to international ecocriticism, especially the emerging "vernacular" trend in the field that emphasizes the significance of local perspectives and styles, including non-western, aboriginal, and comparative approaches. Ecocriticism in Taiwan provides a model for a more nuanced version of the locale-specific, vernacular thinking about the environment, art, and human identity.

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