1. Record Nr. UNINA9910464687803321

Titolo	Handbook of Nanoscience, Engineering, and Technology / / edited by William A. Goddard, III, Donald W. Brenner, Sergey E. Lyshevski, Gerald J. Iafrate
Pubbl/distr/stampa	Boca Raton, FL : , : CRC Press, , 2017
ISBN	1-315-21717-1 1-62870-684-8 1-4398-6016-5
Edizione	[3rd ed.]
Descrizione fisica	1 online resource (1075 p.)
Collana	Electrical Engineering Handbook
Altri autori (Persone)	GoddardWilliam A., III, <1937->
Disciplina	620/.5
Soggetti	Nanotechnology Nanoscience Electronic books.
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.
Nota di contenuto	Front Cover; Contents; Preface; Acknowledgments; Editors; Contributors; Chapter 2: Room at the Bottom, Plenty of Tyranny at the Top; Chapter 4: Nanomagnet Logic; Chapter 5: Quantum Transport at Nanoscale; Chapter 6: Spontaneous Emission of Bloch Oscillation Radiation in the Terahertz Regime; Chapter 7: Molecular and Biomolecular Processing: Solutions, Directions, and Prospects; Chapter 11: Nanoparticle Manipulation by Electrostatic Forces; Chapter 12: Biological- and Chemical-Mediated Self-Assembly of Artificial Micro- and Nanostructures; Chapter 13: Introduction to Nanomanufacturing Chapter 15: Carbon NanotubesChapter 17: Design and Applications of Photonic Crystals; Chapter 18: Carbon Nanostructures and Nanocomposites; Chapter 19: Thermal Transport in Nanostructured Materials; Chapter 20: Electron Optics in Graphene; Chapter 21: Electromagnetic Metamaterials as Artificial Composite Structures; Chapter 22: Bulk Nanostructured Materials; Chapter 23: Nanostructured Materials for Energy Storage Devices; Chapter 24: High-Density Nanoenergetic Gas Generators; Chapter 25: Photovoltaic Fundamentals Chapter 26: Nanodiamond Particles: Properties and Perspectives for

	BioapplicationsChapter 27: Error-Tolerant Digital Microfluidic Lab-on-Chip; Chapter 28: Ion Pore Formation in Membranes due to Complex Interactions between Lipids and Antimicrobial Peptides or Biomolecules; Chapter 29: Multiscale, Multiparadigm Modeling for Nanosystems Characterization and Design; Chapter 30: Quasiparticle Tunneling in Neurotransmitter Release; Chapter 31: DNA-Directed Assembly of Multicomponent Single-Walled Carbon Nanotube Devices; Chapter 32: DNA Crystals, Constructs, and Devices; Back Cover
Sommario/riassunto	"In his 1959 address, "There is Plenty of Room at the Bottom," Richard P. Feynman speculated about manipulating materials atom by atom and challenged the technical community "to find ways of manipulating and controlling things on a small scale." This visionary challenge has now become a reality, with recent advances enabling atomistic-level tailoring and control of materials. Exemplifying Feynman's vision, Handbook of Nanoscience, Engineering, and Technology, Third Edition continues to explore innovative nanoscience, engineering, and technology areas. Along with updating all chapters, this third edition extends the coverage of emerging nano areas even further. Two entirely new sections on energy and biology cover nanomaterials for energy storage devices, photovoltaics, DNA devices and assembly, digital microfluidic lab-on-a-chip, and much more. This edition also includes new chapters on nanomagnet logic, quantum transport at the nanoscale, terahertz emission from Bloch oscillator systems, molecular logic, electronic optics in graphene, and electromagnetic metamaterials. With contributions from top scientists and researchers from around the globe, this color handbook presents a unified, up-to-date account of the most promising technologies and developments in the nano field. It sets the stage for the next revolution of nanoscale manufacturing--where scalable technologies are used to manufacture large numbers of devices with complex functionalities."--Provided by publisher.

2. Record Nr. UNINA9910784955903321

Autore	Marlowe Frank <1954->
Titolo	The Hadza [[electronic resource]] : hunter-gatherers of Tanzania / / Frank W. Marlowe
Pubbl/distr/stampa	Berkeley, : University of California Press, c2010
ISBN	1-282-77271-6 9786612772719 0-520-94544-1
Descrizione fisica	1 online resource (337 p.)
Collana	Origins of human behavior and culture ; ; 3
Disciplina	305.896/1
Soggetti	Hatsa (African people) - Hunting Hatsa (African people) - Food Hatsa (African people) - Social life and customs Hunting and gathering societies - Tanzania Social ecology - Tanzania Social evolution - Tanzania Tanzania Social life and customs
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 (p. 291-318) and index.
Nota di contenuto	The Hadza and evolutionary theory : an introduction -- Habitat and history -- Social organization, beliefs, and practices -- Material culture -- Foraging -- Life history -- Mating -- Parenting -- Cooperation and food-sharing -- The median foragers : humans in cross-species perspective -- Afterward : the Hadza present and future.
Sommario/riassunto	In The Hadza, Frank Marlowe provides a quantitative ethnography of one of the last remaining societies of hunter-gatherers in the world. The Hadza, who inhabit an area of East Africa near the Serengeti and Olduvai Gorge, have long drawn the attention of anthropologists and archaeologists for maintaining a foraging lifestyle in a region that is key to understanding human origins. Marlowe ably applies his years of research with the Hadza to cover the traditional topics in ethnography-subsistence, material culture, religion, and social structure. But the book's unique contribution is to introduce readers to the more contemporary field of behavioral ecology, which attempts to

understand human behavior from an evolutionary perspective. To that end, The Hadza also articulates the necessary background for readers whose exposure to human evolutionary theory is minimal.