1. Record Nr. UNINA9910453866303321

Autore	Huggan Graham
Titolo	Interdisciplinary Measures [[electronic resource]] : Literature and the Future of Postcolonial Studies
Pubbl/distr/stampa	Liverpool : , : Liverpool University Press, , 2008
ISBN	1-78138-677-3 1-84631-333-3
Descrizione fisica	1 online resource (224 p.)
Collana	Postcolonialism Across the Disciplines, 1 ; ; v.v. 1
Disciplina	809 820.9358
Soggetti	Australian literature Interdisciplinary research Literature and globalization Literature and society Postcolonialism Postcolonialism in literature Racism in literature Transnationalism in literature 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 and index.
Nota di contenuto	Title Page; Contents; Acknowledgements; Introduction; 1: Decolonizing the Map: Postcolonialism, Poststructuralism and the Cartographic Connection; 2: Unsettled Settlers: Postcolonialism, Travelling Theory and the New Migrant Aesthetics; 3: Postcolonial Geography, Travel Writing and the Myth of Wild Africa; 4: 'Greening' Postcolonialism: Ecocritical Perspectives; 5: Anthropologists and Other Frauds; 6: African Literature and the Anthropological Exotic; 7: (Post)Colonialism, Anthropology and the Magic of Mimesis; 8: Maps, Dreams and the Presentation of Ethnographic Narrative 9: Philomela's Retold Story: Silence, Music and the Postcolonial Text10: Ghost Stories, Bone Flutes, Cannibal Counter-memory; 11: Cultural Memory in Postcolonial Fiction: The Uses and Abuses of Ned Kelly; 12:

	(Not) Reading Orientalism; Index
Sommario/riassunto	Where now for postcolonial studies? That is the central question in this new volume from one of the field's most original thinkers. Huggan's answer is interdisciplinarity and here he sets out a series of conversations between literary studies and other disciplines, notably geography, environmental studies, history and anthropology.Huggan aims to establish an alternative trajectory through the field of postcolonial literary/cultural studies that is alert to similar kinds of work being done in and across other disciplines; and reflects on possible futures for postcolonial studies that move beyon

2.

Record Nr.	UNINA9910810308903321
Autore	Sharon Madhuri
Titolo	Graphene : an introduction to the fundamentals and industrial applications / / Madhuri Sharonand Maheshwar Sharon
Pubbl/distr/stampa	Hoboken, New Jersey ; ; Salem, Massachusetts : , : Scrivener Publishing : , : Wiley, , 2015 ©2015
ISBN	1-118-84255-3 1-118-84257-X 1-118-84265-0
Descrizione fisica	1 online resource (317 p.)
Collana	Advanced Material Series
Classificazione	TEC021000
Disciplina	662/.9
Soggetti	Graphene - Industrial applications Graphene
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	Cover; Title Page; Copyright Page; Contents; Foreword; Preface; 1 The History of Graphene; 2 Structure and Properties of Graphene; 2.1 The Structure of Graphene; 2.1.1 Carbon; 2.1.2 Graphite; 2.1.3 Graphene; 2.1.3.1 Bilayer Graphene; 2.1.4 Graphane; 2.1.5 Graphone; 2.2 Disorder in Graphene Structure; 2.2.1 Ripples; 2.2.2 Topological Defects; 2.2.3 Ad-Atom (OR "ADSORBED ATOM"); 2.2.4 Cracks or

Fractures in Graphene; 2.3 Properties of Graphene; 2.3.1 Mechanical Properties; 2.3.2 Thermal Properties; 2.3.3 Optical Properties; 2.3.4 Chemical Stability and Reactivity
2.3.5 The Intriguing Electronic Properties (Dirac Point)2.3.6 Semiconductor Properties; 2.4 Summary; 3 Nanographene and Carbon Quantum Dots (C-Dots); 3.1 Nanographene; 3.1.1 Structure of Nanographene; 3.1.2 Properties of Nanographene; 3.1.3 Fabrication of Nanographene; 3.1.3.1 Physical Methods; 3.1.3.2 Chemical Methods; 3.1.4 Applications of Nanographene; 3.2 Graphene Quantum Dots or Carbon Dots; 3.2.1 Structure of Carbon Dots; 3.2.2 Properties of Carbon Dots; 3.2.2.1 Optical Properties; 3.2.2.2 Photocatalytic Properties; 3.2.2.3 Chemical Inertness; 3.2.2.4 Water Solubility
3.2.3 Fabrication of Carbon Dots 3.2.3.1 Electrochemical Methods; 3.2.3.2 Combustion, Thermal, Hydrothermal and Acidic Oxidation of Carbon Precursors; 3.2.3.3 Pulsed Laser Irradiation of Carbon Source; 3.2.3.4 Laser Ablation of Graphite; 3.2.3.5 Arc Discharge Method; 3.2.3.6 Plasma Treatment Method; 3.2.3.7 Opening of Fullerene Cage; 3.2.3.8 Ultrasonic-/Microwave-Assisted Synthesis; 3.2.3.9 Chemical Methods; 3.2.3.10 Supported Synthetic Procedure; 3.2.3.11 Biogenic Synthesis; 3.2.4 Applications of Carbon Dots; 3.2.4.1 Sensor Designing; 3.2.4.2 Bioimaging; 3.2.4.3 Drug Delivery
3.2.4.4 Optoelectronics and In Vivo Biosensing Applications 3.2.4.5 Photocatalysis; 3.2.4.6 SERS; 3.2.4.7 Health and Bio-Related Applications; 3.3 Conclusions; 4 Identification and Characterization of Graphene; 4.1 Introduction; 4.2 Microscopic Methods; 4.2.1 SEM, STM and TEM Characterization of Graphene; 4.2.2 AFM Characterization of Graphene; 4.3 Spectroscopic Methods; 4.3.1 Raman Spectroscopic Analysis of Graphene; 4.3.2 FTIR Analysis of Graphene; 4.3.3 UV-Vis Spectroscopic Analysis of Graphene; 4.3.4 XRD Analysis of Graphene; 4.3.5 XPS of Graphene; 4.3.6 NMR Analysis of Graphene
4.3.7 DLS of Graphene 4.3.8 DPI of Graphene; 4.4 Optical Property Analysis; 4.4.1 Optical Absorption and Nonlinear Kerr Effect; 4.4.2 Photoluminescence/Blue-Photoluminescence; 4.4.3 Optical Band Gap; 4.5 Measurement of Mechanical Properties; 4.5.1 Young's Modulus; 4.5.2 Poisson's Ratio; 4.5.3 Bulge Test; 4.5.4 Tensile Testing/Tension Testing; 4.5.5 Gas Leak Rates in Graphene Membranes; 4.6 Thermal Properties and Thermal Effect Analysis; 4.6.1 Thermal Conductivity; 4.6.2 TGA and Thermal Stability; 4.7 Characterization of Electrical Properties; 4.7.1 Electronics; 4.7.2 Electron Transport
4.7.3 Electrochemical Redox

Sommario/riassunto

"Often described as a 'miracle material', graphene's potential applications are extraordinary, ranging from nanoscale 'green' technologies, to sensors and future conductive coatings. This book covers the topic of 'graphene' -- the history, fundamental properties, methods of production and applications of this exciting new material. The style of the book is both scientific and technical -- it is accessible to an audience that has a general, undergraduate-level background in the sciences or engineering, and is aimed at industries considering graphene applications. As the graphene topic is a broad-reaching and rapidly moving field of research, the aim of this book is therefore to provide information about graphene and its current and future applications that are immediately implementable, relevant and concise. After reading this book, the reader will have sufficient knowledge and background to move forward independently into graphene R&D and to apply the knowledge therein. Although the book will be self-contained, each chapter has copious references to enable further reading, research and exploration of the chapter topics"--