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Descrizione fisica	1 online resource (VIII, 221 p. 86 illus., 82 illus. in color.)
Collana	Carbon Nanostructures, , 2191-3005
Disciplina	620.115
Soggetti	Optical materials Electronics - Materials Building materials Nanotechnology Condensed matter Optical and Electronic Materials Structural Materials Nanotechnology and Microengineering Condensed Matter Physics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Fundamental science of graphene and 2D materials -- Progress in synthesis and production -- Fundamental experimental investigation of 2D materials -- Chemistry of/on Graphene and 2D materials -- Graphene and 2D materials nano-composites -- Energy applications -- Sensing applications -- Opto- and Flexible electronics -- Graphene and living matter.
Sommario/riassunto	This book presents selected papers from the fourth edition of the GraphX conference series, GraphITA 2015. Its content range from fundamentals to applications of graphene and other 2D material such as silicene, BN and MoS2. The newest technological challenges in the field are described in this book, written by worldwide known scientists

working with 2D materials. The chapter 'Morphing Graphene-Based Systems for Applications: Perspectives from Simulations' is published open access under a CC BY 4.0 license.
