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Nota di contenuto	Frontmatter -- Preface -- Contents -- List of contributing authors -- 1 New class of graphene-based devices for the next generation of nonvolatile memories -- 2 Plasma surface activation and functionalization of carbon-based materials -- 3 Modeling carbon-based smart materials -- 4 Carbon nanotube-based materials for space applications -- 5 Molecular dynamics simulations of graphene-based polymer nanocomposites -- 6 Carbon from waste source for Li-ion battery -- Index
Sommario/riassunto	Presents technologies and key concepts to produce suitable smart materials and intelligent structures for sensing, information and communication technology, biomedical applications (drug delivery, hyperthermia therapy), self-healing, flexible memories and construction technologies. Novel developments of environmental friendly, cost-effective and scalable production processes are discussed by experts in the field.

