

1. Record Nr.	UNISA996344227803316
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Titolo	Carbon-Based Smart Materials // Constantinos A. Charitidis, Elias P. Koumoulos, Dimitrios A. Dragatogiannis
Pubbl/distr/stampa	Berlin/Boston, : De Gruyter, 2020 Berlin ; ; Boston : , : De Gruyter, , [2020] ©2020
ISBN	3-11-047775-0 3-11-047913-3
Descrizione fisica	1 online resource (XII, 182 p.)
Disciplina	620.11
Soggetti	Funktionswerkstoff Intelligenter Werkstoff Kohlenstoffwerkstoff Sensortechnik Werkstoffkunde
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
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.

