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Nota di contenuto	; Introduction -- CNT basics and characteristics / Roghayeh Ghasempour, Hamid Narei -- Engineering applications of carbon nanotubes / Soheil Jafari -- Carbon nanotubes processing / Reza Malekimoghadam, Roham Rafiee -- Fabrication of carbon nanotube/polymer nanocomposites / Tejendra K. Gupta, Shanmugam Kumar -- Improving carbon nanotube/polymer interactions in nanocomposites / Francis Aviles, Juan V. Cauich-Rodriguez, Patricio Toro-Estay, Mehrdad Yazdani-Pedram, Hector Aguilar-Bolados -- Deposition of carbon nanotubes on fibers / Francis Aviles, Jose de Jesus Ku-Herrera, Andres I. Oliva-Aviles -- Toxicity and safety issues of carbon nanotube / Hamid Narei, Roghayeh Ghasempour, Omid Akhavan -- Mechanical properties of isolated carbon nanotube / Ghanshyam Pal, Shanmugam Kumar -- Mechanical properties of CNT/polymer / Antonio Pantano -- Electrical and electromagnetic properties of CNT/polymer composites / Seyed Amin Mirmohammadi, Samaheh Sadjadi, Naeimeh Bahri-Laleh -- Atomistic simulations of carbon nanotubes: stiffness, strength, and toughness of locally buckled CNTs / Muno Silvestre, Bruno Faria, Jose N. Canongia Lopes -- Finite element modeling of nanotubes / Androniki S. Tsiamak, Georgios I. Giannopoulos, Stylianos K. Georgantzinis, Nick K. Anifantis -- Multiscale simulation of impact response of carbon nanotube/polymer nanocomposites / Asimina K. Manta, Konstantinos I. Tserpes -- Theoretical modeling of CNT-polymer interactions / Abbs Montazeri,

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