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Nota di contenuto	1. Structure and chemistry of polymer/nanodiamond composites / Ayesha Kausar -- 2. Chitosan-based hybrid polymer composites : structure and chemistry / Katelyn Musumeche, Melanie Sanders and Dilip Depan -- 3. Chemistry of hybrid multifunctional and multibranched composites / Sergio D. Garcia Schejtman, Veronica Brunetti, Marisa Martinelli and Miriam C. Strumia -- 4. Green hybrid composites from cellulose nanocrystal / Shahab Kashani Rahimi and Joshua U. Otaigbe -- 5. Tailoring the interfaces in conducting polymer composites by controlled polymerization / Gergely F. Samu and Csaba Janaky -- 6. Biomedical polymer hybrid composites / Tavakoli Javad, Dong Yu and Tang Youhong -- 7. A review of the structure-property research on hybrid-reinforced polymer composites / Shahad Ibraheem and Sri Bandyopadhyay -- 8. Structure and chemistry of fiber metal laminates / Barbara Surowska, Patryk Jakubczak and Jarosaw Bienias -- 9. Opportunities and challenges in the use of layered double hydroxide to produce hybrid polymer composites / Shadpour Mallakpour and Elham Khadem -- 10. Green hybrid nanocomposites from metal oxides, poly(vinyl alcohol) and poly(vinyl pyrrolidone) : structure and chemistry / Shadpour Mallakpour and Vajiheh Behranvand -- 11. Hybrid polymers composite : effect of hybridization on the some propers of the materials / Vicente de Oliveira Sousa Neto, Gilberto Danas Saraiva, Raimundo Nonato Pereira Teixeira, Diego de

Quadros Melo, Francisco Claudio de Freitas Barros and Ronaldo Ferreira do Nascimento -- 12. Effect of stacking patterns on morphological and mechanical properties of luffa/coir hybrid fiber-reinforce epoxy composite laminate / Sudhir K. Saw.

Sommario/riassunto

This book presents the latest on these composite materials that can best be described as materials that are comprised of synthetic polymers and biological/inorganic/organic derived constituents.
