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Collana	Adhesion and Adhesives: Fundamental and Applied Aspects
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Nota di contenuto	Polymer nanocomposite interfaces : the hidden lever for optimizing performance in spherical nanofilled polymers / Ying Li, Yanhui Huang, Timothy Krentz, Bharath Natarajan, Tony Neely and Linda S. Schadler -- Interphase engineering with nanofillers in fiber-reinforced polymer composites / Jozsef Karger-Kocsis, Sandor Keki, Haroon Mahmood and Alessandro Pegoretti -- Formation and functionality of interphase in polymer nanocomposites / Peng-Cheng Ma, Bin Hao and Jang-Kyo Kim -- Impact of crystallization on the interface in polymer nanocomposites / Nandika D'Souza Siddhi Pendse, Laxmi Sahu, Ajit Ranade and Shailesh Vidhate -- Improved nanofiller-matrix bonding and distribution in GnP-reinforced polymer nanocomposites by surface plasma treatments of GnP / Rafael J. Zaldivar and Hyun I. Kim -- Interfacial effects in polymer nanocomposites studied by thermal and dielectric techniques / Panagiotis Klonos, Apostolos Kyritsis and Polycarpos Pissis -- Investigation of interfacial interactions between nanofillers and polymer matrices using a variety of techniques / Luqi Liu -- Chemical and physical techniques for surface modification of nanocellulose

reinforcements / Viktoriya Pakharenko, Muhammad Pervaiz, Hitesh Pande and Mohini Sain -- Nondestructive sensing of interface/interphase damage in fiber/matrix nanocomposites / Zuo-Jia Wang, Dong-Jun Kwon, Jin-Yeong Choi, Pyeong-Su Shin, K. Lawrence DeVries and Joung-Man Park -- Development of polymeric biocomposites : particulate incorporation, interphase generation and evaluation by nanoindentation / Oisik Das and Debes Bhattacharyya -- Perspectives on the use of molecular dynamics simulations to characterize filler-matrix adhesion and nanocomposite mechanical properties / Sanket A. Deshmukh, Benjamin J. Hanson, Qian Jiang and Melissa A. Pasquinelli.
