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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Mechanical behavior and resistance of structural glass beams in lateral-torsional buckling (LTB) with adhesive joints / Chiara Bedon and Jan Belis -- Room temperature mechanosynthesis of nanocrystalline metal carbides and their microstructure characterization / S.K. Pradhan and H. Dutta -- Toward a novel sma-reinforced laminated glass panel / Chiara Bedon and Filipe Amarante dos Santos -- Sustainable sugarcane bagasse cellulose for papermaking / No¿ Aguilar-Rivera -- Bio-inspired composites : using nature to tackle composite limitations / F. Libonati -- On the electronic structure and band gap of ZnSxSe1-x / Ghassan H. E. Al-Shabeeb and A. K. Arof -- Application of first principles theory to the design of advanced titanium alloys / Y. Song, J. H. Dai, and R. Yang -- Digital orchid : creating realistic materials / Iftikhar B. Abbasov -- Transformation optics-based computational materials for stochastic electromagnetics / Ozlem Ozgun and Mustafa Kuzuoglu -- Superluminal photons tunneling through brain microtubules modeled as metamaterials and quantum computation / Luigi Maxmilian Caligiuri and Takaaki Musha -- Advanced fundamental-solution-based computational methods for thermal analysis of heterogeneous

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