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Nota di contenuto	Introduction of Industry 4.0 -- Industry polymer tribology: Current status -- Polymers -- Bio Polymers -- Fillers/Green fillers -- Green Tribology -- Friction and wear of polymers -- Polymers for Automotive Industry -- Polymer films for different applications -- Tribo-electrification -- Brake pad/Bio lubricants.
Sommario/riassunto	This book first introduces polymers and polymer composites which are widely used in different industrial and engineering applications where the proper selection of fiber, filler, and polymer can be tailored for particular application. The primary objective of this book is to broaden the knowledge of tribology of polymer composites in a new dimension for Industry 4.0. For instance, the book covers polymer composites used as self-lubricating material used in the automotive industry and other manufacturing equipment to reduce the effect of energy loss due to friction and wear. This book is of interest to researchers and industrial practitioners who work in the field of tribology of polymer composites, manufacturing equipment and production engineering.