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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Surfaces, interfaces and recycling from reactive and functional polymers: Editor's insights -- Surface functionalization of polymers -- Surface reactive and active polymers -- Polymer interface reactions -- Design of switchable and supramolecular polymers for biointerface applications -- Recycling of reactive and functional polymers -- Readily recyclable thermosets based on dynamic covalent bonds -- A review to guide eco-design of reactive polymer-based materials -- Index.
Sommario/riassunto	Reactive and functional polymers are manufactured with the aim of improving the performance of unmodified polymers or providing functionality for different applications. These polymers are created mainly through chemical reactions, but there are other important modifications that can be carried out by physical alterations in order to obtain reactive and functional polymers. This volume presents a comprehensive analysis of these reactive and functional polymers. Reactive and Functional Polymers Volume Four considers surface interactions, modifications and reactions, as well as reactive processes for recycling polymers and their biodegradability and compostability. World renowned researchers from Argentina, Austria, China, Egypt,

France, Iran, Italy, Nepal and United States have participated in this book. With its comprehensive scope and up-to-date coverage of issues and trends in Reactive and Functional Polymers, this is an outstanding book for students, professors, researchers and industrialists working in the field of polymers and plastic materials.
