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Collana	Innovations in Chemical Physics and Mesoscopy
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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	part I. Nanotechnology -- part II. Processes and applications -- part III. Processes and applications.
Sommario/riassunto	This new book focuses on nanomaterial development as well as investigations of combustion and explosion processes. It presents valuable information on the modeling of processes and on quantum chemical calculations and leading-edge research from around the world in this dynamic field, focusing on concepts above formal experimental techniques and theoretical methods of chemical physics for micro- and nanotechnologies. Also presented are non-linear kinetic appearances and their possible applications.