1. Record Nr. UNINA9910298612603321

Titolo	Flame Retardants : Polymer Blends, Composites and Nanocomposites / / edited by P. M. Visakh, Yoshihiko Arao
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-03467-7
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (321 p.)
Collana	Engineering Materials, , 1612-1317
Disciplina	541.2254 620.11 620115 621.4021
Soggetti	Materials science Thermodynamics Heat engineering Heat transfer Mass transfer Polymers Nanotechnology Characterization and Evaluation of Materials Engineering Thermodynamics, Heat and Mass Transfer Polymer Sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	1 Advances in flame retardant of different types of nanocomposites -- 2 Flame retardancy of polymer nanocomposite -- 3 Recent develepments in different tequnics used for the flame retardency -- 4 Recent development of phosphorus flame retardants in thermoplastic blends and nanocomposites -- 5 A review of Non-Halogen Flame Retardants in Epoxy-based composites and Nanocomposites: Flame Retardancy and Rheological Properties -- 6 Flame retardant/resistant based nanocomposites in textile -- 7 Flame retardants in bitumens and nanocomposites -- 8 Fire retardant for phase change material -- 9

	Flame retardants used for textile finishing applications -- 10 Flame retardant of cellulosic materials and their composites.
Sommario/riassunto	This book summarizes comprehensively many recent technical research accomplishments in the area of flame retardant research. It presents mainly flame retardant studies of polymer blends, composites and nanocomposites such as rubber, thermosets and thermoplastics. This book discusses different types of flame retardant using in polymers especially nanocomposites, as well as the role and chemistry. Leading researchers from industry, academy, government and private research institutions across the globe contribute to this book. Academics, researchers, scientists, engineers and students in research and development will benefit from an application-oriented book that helps them to find solutions to both fundamental and applied problems.