1. Record Nr. UNINA9910960130203321

Titolo	Fire and smoke : understanding the hazards / / Committee on Fire Toxicology, Board on Environmental Studies and Toxicology, Commission on Life Sciences, National Research Council
Pubbl/distr/stampa	Washington, D.C., : National Academy Press, 1986
ISBN	9786610186389 9781280186387 1280186380 9780309568609 0309568609
Edizione	[1st ed.]
Descrizione fisica	1 online resource (x, 156 pages) : illustrations
Disciplina	628.9222
Soggetti	Fire prevention Fire protection engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references (p. 131-156).
Nota di contenuto	FIRE AND SMOKE: UNDERSTANDING THE HAZARDS -- Copyright -- ACKNOWLEDGMENTS -- PREFACE -- Contents -- EXECUTIVE SUMMARY -- HAZARD ASSESSMENT VS. RISK ASSESSMENT -- ASSESSMENT OF FIRE HAZARD -- THE TESTING OF COMBUSTION-PRODUCT TOXICITY -- CONCLUSIONS AND RECOMMENDATIONS -- INTRODUCTION -- 1 FIRE DEATHS IN THE UNITED STATES -- SCOPE OF THE PROBLEM -- CAUSES OF FIRE DEATH -- THE CONTEMPORARY FIRE ENVIRONMENT -- 2 A PRIMER ON FIRE AND FIRE HAZARD -- THE BURNING PROCESS -- A TYPICAL COMPARTMENT FIRE -- FIRE HAZARD ASSESSMENT -- DEFINITIONS:RISK AND HAZARD -- QUANTIFYING HAZARD -- TIME NEEDED FOR ESCAPE -- TIME AVAILABLE FOR ESCAPE -- BURNING OF A SINGLE ITEM -- BURNING OF MULTIPLE ITEMS -- 3 STATUS OF FIRE HAZARD MODELS AND TEST METHODS -- INTRODUCTION -- DETECTION MODELS -- MODELS FOR TIME AVAILABLE FOR ESCAPE -- THE HARVARD MODELS -- OTHER TWO-LAYER MODELS -- FIELD MODELS -- EXAMPLE OF CALCULATIONS FOR MODEL FOR TAE -- MODELS FOR TIME NEEDED FOR ESCAPE -- TEST METHODS FOR MODEL