1. Record Nr. UNICAMPANIAVAN0263667

Autore	Øksendal, Bernt K.
Titolo	Stochastic Differential Equations : An Introduction with Applications / Bernt Øksendal
Pubbl/distr/stampa	Berlin, : Springer, 1985
Descrizione fisica	xiii, 208 p. : ill. ; 24 cm
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910366634803321

Autore	Li Li
Titolo	Modeling the Fate of Chemicals in Products / / by Li Li
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2020
ISBN	981-15-0579-9
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (119 pages)
Collana	Springer Theses, Recognizing Outstanding Ph.D. Research, , 2190-5053
Disciplina	363.705
Soggetti	Environmental management Urban ecology (Biology) Environmental chemistry Environmental sciences Environmental Management Urban Ecology Environmental Chemistry Math. Appl. in Environmental Science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction: Modeling the fate of chemicals in products in the total

environment -- Modeling the fate of chemicals in products in the anthroposphere and environment -- Global long-term fate and dispersal of polychlorinated biphenyls -- The degradation of fluorotelomer-based polymers contributes to the global occurrence of fluorotelomer alcohol and perfluoroalkyl carboxylates -- Elucidating the variability in the hexabromocyclododecane diastereomer profile in the global environment -- Effective management of demolition waste containing hexabromocyclododecane in China.

Sommario/riassunto

This thesis provides a novel methodological basis for mechanistically understanding the dynamics of chemicals in products (CiPs) in the anthroposphere and physical environment and establishes a modeling continuum from production of a chemical to its concentrations in various environmental compartments. Using this framework, the thesis investigates how CiPs are transported and transformed and how they accumulate in the global environment. Furthermore, it identifies the measures needed to minimize their adverse effects on the environment and human society. It serves as an invaluable, interdisciplinary reference resource for industrial ecologists, environmental chemists and decision-makers involved in environmentally sound management of CiPs and associated waste.