

1. Record Nr.	UNINA9910812847103321
Autore	Delany Samuel R.
Titolo	The American shore : meditations on a tale of science fiction by Thomas M. Disch--Angouleme // Samuel R. Delany
Pubbl/distr/stampa	Middletown, Connecticut : , : Wesleyan University Press, , 2014 ©1978
ISBN	0-8195-7420-1
Edizione	[Wesleyan edition.]
Descrizione fisica	1 online resource (257 p.)
Disciplina	809.38762
Soggetti	Science fiction - History and criticism
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Cover; The American Shore; Title; Copyright; Dedication; Contents; Acknowledgments; The American Shore, An Author's Introduction; A Road along the Shore: An Introduction to The American Shore; The Pretext; The Refused Text; The Context; The Diffused Text; Exotexts:; 1. Auctorial Interfaces; 2. The Textual Object; 3. A Privileged Chronicity; 4. Problematic Texts; 5. Originary Assumptions; Index; About the Author
Sommario/riassunto	A keystone text in literary theory and science fiction

2. Record Nr.	UNINA9910299426103321
Autore	Rumynin Vyacheslav G
Titolo	Overland Flow Dynamics and Solute Transport / / by Vyacheslav G. Rumynin
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-21801-8
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (296 p.)
Collana	Theory and Applications of Transport in Porous Media, , 0924-6118 ; ; 26
Disciplina	551.488
Soggetti	Environmental sciences Water quality Water - Pollution Radiation - Safety measures Radiation—Safety measures Hydrology Environmental monitoring Math. Appl. in Environmental Science Water Quality/Water Pollution Effects of Radiation/Radiation Protection Hydrology/Water Resources Monitoring/Environmental Analysis
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 at the end of each chapters and index.
Nota di contenuto	Part I. Response Mechanisms of Hydrological Processes in the Near-Surface Environment. 1. Surface Runoff Generation, Vertical Infiltration and Subsurface Lateral Flow -- 2. Rainfall-Induced Runoff and Subsurface Stormflow at the Hillslope Scale -- 3. Models of Dissolved Component Transport at the Hillslope Scale -- 4. Contaminant Sorption and Transport by Suspended Particles with Runoff -- Part II. Water Flow and Solute Transport Models at the Watershed Scale -- 5. A Short Review of Water Budget and Flow Models for a Lumped Watershed -- 6. Lumped-Parameter Models for Solute Transport with Runoff -- 7.

Sommario/riassunto

This book provides essential background knowledge on a wide range of hydrological processes governing contaminant transport from soil to surface water across a range of scales, from hillslope to watershed. The mathematical description of these processes is based on both well-known and unique analytical solutions of different initial and boundary problems (primarily using methods from the kinematic wave theory and the reservoir/lumped-parameter concept), supported by numerical modelling studies. Some research topics, in particular several case studies, are illustrated by monitoring and experimental data analysis to show the importance of the research's applications in environmental practice and environmental education. Specific results concern the recognition of: (a) the effect of transient rainfall-runoff-infiltration partitioning on the chemical response of drainage areas to excess precipitation under certain field conditions related to the soil, hillslope characteristics, and contaminant properties; (b) soil erosion as a key factor that enhances the potential of adsorbed chemical transport in runoff; and (c) common tendencies in radionuclide behaviour in the near-surface environment contaminated by radioactive fallout from the Chernobyl (1986), Fukushima (2011) and the less known Kyshtym (1957) accidents, as well as from nuclear weapon tests in the atmosphere since 1952. The book's goal is to provide a conceptual foundation enabling readers to apply scientific knowledge to solve practical problems in environmental hydrology and radiology. More specifically, the book presents the state-of-the-art approaches that scientists and natural resources experts need in order to significantly improve the prediction of changes in the soil–water system chemistry due to human activities.