

1. Record Nr.	UNINA9910826481303321
Autore	Burbank Douglas West
Titolo	Tectonic geomorphology / / Douglas W. Burbank and Robert S. Anderson
Pubbl/distr/stampa	Chichester, West Sussex ; ; Hoboken, NJ, : J. Wiley & Sons, c2012
ISBN	1-283-33778-9 9786613337788 1-118-29915-9 1-4443-4506-0 1-4443-4503-6
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (478 p.)
Altri autori (Persone)	AndersonRobert S <1952-> (Robert Stewart) AndersonRobert S
Disciplina	551.41
Soggetti	Geomorphology Geology, Structural
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 and index.
Nota di contenuto	Introduction to tectonic geomorphology -- Geomorphic markers-- Establishing timing in the landscape : dating methods -- Stress, faults, and folds -- Short-term deformation : geodesy -- Paleoseismology : ruptures and slip rates -- Rates of erosion and uplift -- Holocene deformation and landscape responses -- Deformation and geomorphology at intermediate time scales -- Tectonic geomorphology at late Cenozoic time scales -- Numerical modeling of landscape evolution.
Sommario/riassunto	Tectonic geomorphology is the study of the interplay between tectonic and surface processes that shape the landscape in regions of active deformation and at time scales ranging from days to millions of years. Over the past decade, recent advances in the quantification of both rates and the physical basis of tectonic and surface processes have underpinned an explosion of new research in the field of tectonic geomorphology. Modern tectonic geomorphology is an exceptionally integrative field that utilizes techniques and data derived from studies of geomorphology, seismology, geochronology, structure

