

1. Record Nr.	UNINA9910555054203321
Titolo	Hydrogeology, chemical weathering, and soil formation / / edited by Allen Hun, Markus Egli, Boris Faybishenko
Pubbl/distr/stampa	Hoboken, New Jersey ; ; Washington, District of Columbia : , : John Wiley & Sons, Incorporated : , : American Geophysical Union, , [2021] Å©2021
ISBN	1-119-56400-X 1-119-56395-X 1-119-56399-2
Descrizione fisica	1 online resource
Collana	Geophysical monograph series
Disciplina	551.49
Soggetti	Chemical weathering Soil formation Hydrogeology Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	"Soil formation through biogeochemical weathering is a fundamental process in the establishment of vegetation on continents as well as in the global carbon and nitrogen cycles, with further relevance to climate change and mass extinctions. The fate of water arriving at the terrestrial surface is concluded at shallow depths, mostly within the top few meters, where plants and the sun extract water through the processes of evapo-transpiration, and the remainder runs off or replenishes groundwater. Hydrogeology, Chemical Weathering and Soil Formation focuses on a vast range of time and spatial scales involved in soil processes, as well as its complexity and many-faceted nature"--