

1. Record Nr.	UNINA9910840841803321
Autore	Kodama Kenneth P
Titolo	Paleomagnetism of sediments and sedimentary rocks [[electronic resource] ] : process and interpretation // Kenneth P. Kodama
Pubbl/distr/stampa	Chichester, West Sussex ; ; Hoboken, NJ, : John Wiley & Sons, 2012
ISBN	1-283-59225-8 9786613904706 1-118-38413-X 1-118-38414-8 1-118-38416-4 1-118-38415-6
Descrizione fisica	1 online resource (186 p.)
Disciplina	538.727 552.501538727
Soggetti	Paleomagnetism Sediments (Geology)
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	Paleomagnetism of Sediments and Sedimentary Rocks; Contents; 1: The Paleomagnetism of Sediments and Sedimentary Rocks: Importance and Reliability; 2: The Magnetization Mechanism of Sediments and Sedimentary Rocks: Depositional Remanent Magnetization; 3: Post-Depositional Remanent Magnetization; 4: Inclination Shallowing in Sedimentary Rocks: Evidence, Mechanism and Cause; 5: How to Detect and Correct a Compaction-shallowed Inclination; 6: Post-Depositional Diagenesis and Chemical Remanent Magnetization 7: Tectonic Strain Effects on Remanence: Rotation of Remanence and Remagnetization in Orogenic Belts8: Magnetization of Sediments and the Environment; 9: The Magnetization of Sedimentary Rocks: Processes and their Interpretation; Glossary of Paleomagnetic and Rock Magnetic Acronyms; References; Index; Colour plates
Sommario/riassunto	This book describes the paleomagnetism of sediments and sedimentary rocks, how sediments and sedimentary rocks become magnetized, and how the physical and chemical processes involved can affect the

accuracy of paleomagnetism. Topics covered include depositional and post-depositional remanence acquisition, the detection and correction of compaction-caused inclination shallowing, reduction diagenesis of magnetic minerals, chemical remagnetization, and rotation of remanence by grain-scale rock strain. The book also has a chapter on environmental paleomagnetism, including examples of the new tec

---