

1. Record Nr.	UNINA9910458241203321
Autore	Selley Richard C. <1939->
Titolo	Applied sedimentology [[electronic resource] /] / Richard C. Selley
Pubbl/distr/stampa	San Diego, : Academic Press, c2000
ISBN	1-281-03852-0 9786611038526 0-08-052747-7
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (543 p.)
Disciplina	552/.5
Soggetti	Sedimentology Sediments (Geology) Electronic books.
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	Front Cover; Applied Sedimentology; Copyright Page; Contents; Preface; Chapter 1. Introduction; 1.1 Introduction and Historical Review; 1.2 Sedimentology and the Earth Sciences; 1.3 Applied Sedimentology; Selected Bibliography; References; Part I: Rock to Sediment; Chapter 2. Weathering and the Sedimentary Cycle; 2.1 Introduction; 2.2 The Sedimentary Cycle; 2.3 Weathering; Selected Bibliography; References; Chapter 3. Particles, Pores, and Permeability; 3.1 Physical Properties of Particles; 3.2 Porosity and Permeability; Selected Bibliography; References; Part II: Sediment Sedimented Chapter 4. Transportation and Sedimentation4.1 Introduction; 4.2 Aqueous Processes; 4.3 Eolian Processes; 4.4 Glacial Processes; 4.5 Gravitational Processes; Selected Bibliography; References; Chapter 5. Sedimentary Structures; 5.1 Introduction; 5.2 Biogenic Sedimentary Structures; 5.3 Primary Inorganic Sedimentary Structures; 5.4 Paleocurrent Analysis; Selected Bibliography; References; Chapter 6. Depositional Systems; 6.1 Sedimentary Environments; 6.2 Sedimentary Facies; 6.3 Sedimentary Models; 6.4 Sedimentary Models, Increments, and Cycles; Selected Bibliography; References Part III: Sediment to RockChapter 7. The Subsurface Environment; 7.1 Subsurface Temperatures; 7.2 Subsurface Pressures; 7.3 Subsurface

Fluids; 7.4 Fluid Flow in Sedimentary Basins; Selected Bibliography; References; Chapter 8. Allochthonous Sediments; 8.1 Introduction: The Classification of Sedimentary Rocks; 8.2 Allochthonous Sediments Classified; 8.3 Mudrocks; 8.4 Pyroclastic Sediments; 8.5 Sandstones; 8.6 Rudaceous Rocks; Selected Bibliography; References; Chapter 9. Autochthonous Sediments; 9.1 Introduction; 9.2 Carbonates; 9.3 Coal; 9.4 Sedimentary Iron Ores; 9.5 Phosphates; 9.6 Evaporites; 9.7 Cherts; Selected Bibliography; References; Chapter 10. Sedimentary Basins; 10.1 Introduction; 10.2 Sedimentary Basins Classified and Described; 10.3 Basin Evolution, Metallogeny, and the Petroleum System; Selected Bibliography; References; Subject Index; About the Author; Color Plates Section

Sommario/riassunto

"This is a completely revised edition of Applied Sedimentology, first published in 1988. Like its precursor, it describes sediments from sand grains to sedimentary basins. Applied Sedimentology is written principally for senior undergraduate and postgraduate students of earth science and engineering. It may also, however, prove useful to more mature readers who explore and exploit the sedimentary rocks for fossil fuels and mineral deposits."--BOOK JACKET.
