1. Record Nr. UNISA996200048303316

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Titolo	Carbonate sedimentology [[electronic resource] /] / Maurice E. Tucker, V. Paul Wright ; with a chapter by J.A.D. Dickson
Pubbl/distr/stampa	Oxford [England] ; ; Boston, : Blackwell Scientific Publications Brookline Village, Mass., : Distributors, USA, Publishers' Business Services, 1990
ISBN	1-282-37180-0 9786612371806 1-4443-1417-3 1-4443-1416-5
Descrizione fisica	1 online resource (498 p.)
Altri autori (Persone)	DicksonJ. A. D WrightV. Paul <1953->
Disciplina	552.5 552/.58
Soggetti	Carbonate rocks Sedimentation and deposition
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	Carbonate Sedimentology; Contents; Preface; Acknowledgements; 1: Carbonate sediments and limestones: constituents; 1.1 INTRODUCTION; 1.2 NON-SKELETAL GRAINS; 1.2.1 Coated grains; 1.2.2 Peloids; 1.2.3 Grain aggregates; 1.2.4 Clasts; 1.3 SKELETAL GRAINS; 1.4 MATRIX; 1.5 GRANULOMETRIC AND MORPHOMETRIC PROPERTIES; 1.6 GRAIN ORIENTATION AND PACKING; 1.7 LIMESTONE CLASSIFICATION; 1.8 DATA COLLECTION AND PROCESSING; 1.9 POROSITY; 1.9.1 Porosity types; 2: Geological background to carbonate sedimentation; 2.1 INTRODUCTION; 2.2 MAJOR CONTROLS ON CARBONATE SEDIMENTATION 2.2.1 Organic productivity and sedimentation rates2.3 CARBONATE FACIES AND FACIES SEQUENCES; 2.3.1 Depositional processes and facies sequences in carbonate rocks; 2.4 CARBONATE PLATFORMS; 2.5 CARBONATE RIMMED SHELVES; 2.5.1 Modem rimmed shelves; 2.5.2 Rimmed shelves and sea-level changes; 2.5.3 Rimmed shelf types;

2.5.4 Ancient carbonate rimmed shelves; 2.6 CARBONATE RAMPS; 2.6.1 Carbonate ramp facies; 2.6.2 Carbonate ramp types; 2.6.3 Ancient carbonate ramps; 2.7 EPEIRIC CARBONATE PLATFORMS; 2.8 ISOLATED CARBONATE PLATFORMS; 2.8.1 Modern isolated platforms; 2.8.2 Ancient isolated platforms
2.9 DROWNED CARBONATE PLATFORMS2.10 CARBONATE CYCLES; 2.10.1 Shallowing-upward carbonate cycles; 2.10.2 Carbonate-evaporite and carbonate-clastic cycles; 2.10.3 Causes of carbonate cyclicity: orbital forcing or not?; 2.11 TECTONIC CONTEXT OF CARBONATE PLATFORMS; 3: Modern carbonate environments; 3.1 INTRODUCTION; 3.2 THE BAHAMA PLATFORM; 3.2.1 Subtidal carbonate sediments of the Bahamas; 3.2.2 Intertidal-supratidal carbonate sediments of the Bahamas; 3.3 RECENT CARBONATES OF THE FLORIDA SHELF; 3.3.1 Subtidal carbonate sediments of the Florida Shelf
3.3.2 Intertidal and supratidal carbonates of the inner Florida Shelf3.4 CARBONATE SEDIMENTS OF THE TRUCIAL COAST; 3.4.1 Shoals, barriers and reefs of the inner ramp; 3.4.2 Lagoons; 3.4.3 Tidal flats; 3.4.4 Supratidal flats and sabkhas; 4: Carbonate depositional systems I: marine shallow-water and lacustrine carbonates; 4.1 COASTAL AND OFFSHORE ENVIRONMENTS; 4.1.1 Introduction; 4.1.2 Modem shoreline carbonate sand systems; 4.1.3 Environments and facies of shoreline sands; 4.1.4 Beach-barrier island-lagoonal sequences; 4.1.5 Beach ridge-strandplain sequences; 4.1.6 Ancient shoreline carbonates
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4.4.7 Facies models

Sommario/riassunto

Carbonate rocks (limestones and dolomites) constitute a major part of the geological column and contain not only 60% of the world's known hydrocarbons but also host extensive mineral deposits. This book represents the first major review of carbonate sedimentology since the mid 1970's. It is aimed at the advanced undergraduate - postgraduate level and will also be of major interest to geologists working in the oil industry. Carbonate Sedimentology is designed to take the reader from the basic aspects of limestone recognition and classification through to an appreciation of the most re