

1. Record Nr.	UNINA9911006992503321
Titolo	Geology and geochemistry of oil and gas / G.V. Chilingar ... [et al.]
Pubbl/distr/stampa	Amsterdam ; ; London, : Elsevier, c2005
ISBN	1-280-64167-3 9786610641673 0-08-046121-2
Edizione	[1st ed.]
Descrizione fisica	1 online resource (399 p.)
Collana	Developments in petroleum science, , 0376-7361 ; ; 52
Altri autori (Persone)	ChilingarGeorge V. <1929->
Disciplina	553.28 553.282
Soggetti	Petroleum - Geology Natural gas - Geology Geochemistry
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 indexes.
Nota di contenuto	Cover; Geology and Geochemistry of Oil and Gas; Dedication; Foreword; Preface; Nomenclature; Abbreviations; Contents; Systems Approach in Science; Oil- and Gas-Bearing Rocks; Temperature and Pressure in the Subsurface; Water; Crude Oils; Natural Gases and Condensates; Dispersed Organic Matter; Origin of Oil and Natural Gas; Formation of Hydrocarbon Accumulations; Classifications of Oil and Gas Accumulations; Mathematical Modeling in Petroleum Geology; Wettability and Capillarity; Permeability; Glossary*; References and Bibliography; Author Index; Subject Index; Erratum to the Subject Index
Sommario/riassunto	This book discusses the progress that is being made through innovations in instrumental measurements of geologic and geochemical systems and their study using modern mathematical modeling. It covers the systems approach to understanding sedimentary rocks and their role in evolution and containment of subsurface fluids. Fundamental aspects of petroleum geology and geochemistry, generation, migration, accumulation, evaluation and production of hydrocarbons are discussed with worldwide examples. Various physical and chemical properties of subsurface waters, crude oils and natural gases

