1. Record Nr. UNINA9910820103703321 Autore Thomas Larry (Larry P.) Titolo Coal geology / / Larry Thomas Chichester, West Sussex;; Hoboken, N.J.,: John Wiley & Sons, 2013 Pubbl/distr/stampa **ISBN** 1-283-70017-4 1-118-38568-3 1-118-38571-3 1-118-38572-1 Edizione [2nd ed.] Descrizione fisica 1 online resource (474 p.) Disciplina 553.2/4 Soggetti Coal - Geology Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and index. Coal Geology; Contents; Preface; Preface To First Edition; Chapter 1 Nota di contenuto Preview: 1.1 Scope: 1.2 Coal geology: 1.3 Coal use: 1.4 Background: Chapter 2 Origin of Coal; 2.1 Introduction; 2.2 Sedimentation of coal and coal-bearing sequences; 2.2.1 Depositional models; 2.2.2 The traditional model; 2.2.3 Modern peat analogues; 2.2.4 Sequence stratigraphy; 2.2.5 Facies correlation; 2.2.6 Facies maps; 2.3 Structural effects on coal; 2.3.1 Syndepositional effects; 2.3.2 Post-depositional effects; Chapter 3 Age and Occurrence of Coal; 3.1 Introduction; 3.2 Plate tectonics: 3.3 Stratigraphy 3.4 Age and geographical distribution of coal3.4.1 United States; 3.4.2 Canada: 3.4.3 Europe: 3.4.4 Africa: 3.4.7 Commonwealth of Independent States (CIS; former Soviet Union); 3.4.8 Far East; 3.4.9 Australasia; Chapter 4 Coal as a Substance; 4.1 Physical description of coal; 4.1.1 Macroscopic description of coal; 4.1.2 Microscopic description of coal: 4.1.3 Mineral content of coals: 4.1.4 Coal petrography; 4.2 Coalification (rank); 4.2.1 Coalificatio; 4.2.2 Causes of coalificatio; 4.3 Coal quality; 4.3.1 Chemical properties of coal; 4.3.2 Combustion properties of coal; 4.3.4 Coal oxidation 4.4 Classification of coals4.4.1 North America; 4.4.2 United Kingdom; 4.4.3 Europe; 4.4.4 Australia; 4.4.5 South africa; 4.4.6 United Nations;

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Sommario/riassunto

Coal Geology, second edition, offers a thoroughly revised and updated edition of this popular book which provides a comprehensive overview of the field of coal geology. Coal Geology covers all aspects of coal geology in one volume, bridging the gap between the academic aspects and the practical role of geology in the coal industry. The object of the book is to provide the reader with a with a description of the origins of coal together with the physical and chemical properties of coal and coal petrology before proceeding to cover all areas of coal exploration, production and use. <