

1. Record Nr.	UNINA9910961078303321
Autore	O'Brien Neal R.
Titolo	Argillaceous Rock Atlas / / by Neal R. O'Brien, Roger M. Slatt
Pubbl/distr/stampa	New York, NY : , : Springer New York : , : Imprint : Springer, , 1990
ISBN	1-4612-3422-0
Edizione	[1st ed. 1990.]
Descrizione fisica	1 online resource (XV, 141 p. 85 illus., 14 illus. in color.)
Disciplina	549
Soggetti	Mineralogy Geotechnical engineering Sedimentology Cogeneration of electric power and heat Fossil fuels Geotechnical Engineering and Applied Earth Sciences Fossil Fuel
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1 Introduction -- Definitions -- Argillaceous Rock Classifications -- Stratification and Parting Description -- Examples Seen in Outcrop -- Classification of Very Fine-Grained Sedimentary Rocks -- Textural Classification of Fine-Grained Sediments and Rocks -- 2 Fabric Analysis Techniques -- X-radiography -- Petrography -- Scanning Electron Microscopy -- 3 X-radiography, Petrography and Scanning Electron Microscopy Descriptions -- X-radiography Classification of Argillaceous Rock Macrofabric -- Petrographic Classification of Black Shales -- Scanning Electron Microscopy Descriptions -- 4 Miscellaneous Features in Argillaceous Rocks -- Pyrite Framboids -- Fecal Pellets -- Palynomorphs in Shales -- 5 Case Studies of Specific Distinctive Features -- Well Developed Lamination in a Black Shale (Example I) -- Well Developed Lamination in a Black Shale (Example II) -- Organic Variation in a Shale — Clues to the Cause of Lamination -- Laminated Shale from Bottom-Flowing Low Density Turbidity Currents -- Bioturbation -- Bioturbation — Tiered Burrowing in Shale -- Significance of Vertical Fabric Variation in a Shale -- A Journey to "Anoxia" — Reconstruction of an Event on the Devonian Sea Floor -- 6

Case Studies of Fabric Analysis in Evaluating Sedimentary Processes and Environments -- Marine Regressional Facies -- Marine Transgressional Facies -- Floodplain-Paleosol Facies -- Evaporite Facies -- Tidal Flat Facies -- Shallow Marine Shelf Facies -- Delta Complex Facies -- Submarine Slope Facies -- Marine Turbidite Facies -- Deep Marine Turbidite Facies -- Marine Basinal Facies -- 7 Formation of Shale by Compaction of Flocculated Clay--A Model -- 8 Fabrics of Some Hydrocarbon Source Rocks and Oil Shales -- Marine Hydrocarbon Source Rock -- Saline Lacustrine Hydrocarbon Source Rock -- Fresh-Brackish Lacustrine Hydrocarbon Source Rock -- 9 Fabric of Geopressured Shale -- Geopressured Shale Analysis -- General Geology and Composition -- Description of Shale Fabric -- Interpretation of Shale Fabrics -- 10 Composition of Argillaceous Rocks -- 11 Conclusions -- References.

Sommario/riassunto

A major reason for the lack of understanding of argillaceous rocks is that the key to understanding their history lies in their microfabric. Argillaceous Rock Atlas addresses this aspect by taking a systematic approach to the analysis of shale fabrics. This approach combines such techniques as scanning electron microscopy, x-radiography and thin-section petrography. Thus the book is amply illustrated with scanning electron and thin section photomicrographs and x-radiograms which show the salient features of shale at a variety of scales. A great portion of the book is devoted to case studies, supplemented by mineralogical and geochemical data, which demonstrate the utility of these techniques in the interpretation of depositional environments, diagenetic processes and possible economic significance of argillaceous rocks. Argillaceous Rock Atlas is a valuable and unique reference for students and researchers involved in the fields of sedimentology and stratigraphy, petrology, petroleum geology, hydrogeology and geochemistry.

2. Record Nr.	UNINA9910963763903321
Autore	Kolundzija Branko M
Titolo	Electromagnetic modeling of composite metallic and dielectric structures / / Branko M. Kolundzija, Antonije R. Djordjevic
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ISBN	1-58053-766-9
Edizione	[1st ed.]
Descrizione fisica	1 online resource (420 p.)
Collana	Artech House antennas and propagation library
Altri autori (Persone)	DjordjevicA. R
Disciplina	621.382/24
Soggetti	Dielectric devices - Mathematical models Metallic composites - Electric properties - Mathematical models Electromagnetic waves - Mathematical models Moments method (Statistics)
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	1. Introduction -- 2. MoM -- 3. Electromagnetic Theory -- 4. Field Integral Equations -- 5. Geometrical Modeling --
Sommario/riassunto	Annotation