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| Descrizione fisica | 1 online resource (159 p.) |
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| Nota di contenuto | Contents; 1. Introduction; 2. Processes of the Long-Term Carbon Cycle: Chemical Weathering of Silicates; 3. Processes of the Long-Term Carbon Cycle: Organic Matter and Carbonate Burial and Weathering; 4. Processes of the Long-Term Carbon Cycle: Degassing of Carbon Dioxide and Methane; 5. Atmospheric Carbon Dioxide over Phanerozoic Time; 6. Atmospheric O ₂ over Phanerozoic Time; References; Index |
| Sommario/riassunto | The Phanerozoic Carbon Cycle applies an earth system science approach to the study of the long-term carbon cycle, which involves the transfer of carbon between rocks and the atmosphere, oceans and life. Theoretical modeling is used to calculate how levels of atmosphere CO ₂ and O ₂ have changed over the past 550 million years. |