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Nota di contenuto	The search for a molecular-level understanding of the processes that underpin the Earth's biogeochemical cycles / Jillian F. Banfield ... [et al.] -- What genetics offers geobiology / Dianne K. Newman, Jeffrey A. Gralnick -- Enzymology of electron transport : energy generation with geochemical consequences / Thomas J. DiChristina, Jim K. Frederickson, John M. Zachara -- Siderophores and the dissolution of iron-bearing minerals in marine systems / Stephan M. Kraemer ... [et al.] -- Geomicrobiological cycling of iron / Andreas Kappler, Kristina L. Straub -- Molecular-scale processes involving nanoparticulate minerals in biogeochemical systems / Benjamin Gilbert, Jillian F. Banfield -- The organic-mineral interface in biominerals / P.U.P.A. Gilbert, Mike Abrecht, Bradley H. Frazer -- Catalysis and prebiotic synthesis / James P. Ferris -- The evolution of biological carbon and nitrogen cycling : a genomic perspective / Jason Raymond -- Building the biomarker tree of life / Jochen J. Brocks, Ann Pearson -- Population dynamics through the lens of extreme environments / Rachel J. Whitaker, Jillian F. Banfield -- Metabolism and genomics : adventures derived from complete genome sequencing / Karen E. Nelson, Barbara Methe.

Sommario/riassunto

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