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Descrizione fisica	1 online resource (IX, 316 p. 111 illus., 41 illus. in color.)
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Soggetti	Materials science Water Hydrology Green chemistry Mineralogy Materials Science Green Chemistry
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Nota di contenuto	Mineral Adsorbents and Characteristics -- Surface Chemistry of Mineral Adsorbents -- Modification of Mineral Surfaces and Microstructures -- Adsorption of Minerals to Anions -- Adsorption of Minerals to Cations -- Adsorption of Minerals to Organic Compounds -- Bioadsorption of Minerals.-Contaminated Water Treatment -- Dewatering of Mineral Adsorbents.
Sommario/riassunto	This book introduces the latest research regarding the adsorption of heavy metals, toxic ions, and organic compounds at the interfaces of water/minerals, such as mineralogical characterizations, surface chemistry, and modification of natural minerals as adsorbents, as well as the adsorption of cations, anions, and organic compounds in water. Presenting findings by the authors and their co-workers, the book helps readers grasp the principals and benefits of using minerals for water treatment, as well as the advanced technologies in the area developed over last 30 years, especially the last 10 years. .

