1. Record Nr. UNINA9910768441103321

Titolo	Green Adsorbents to Remove Metals, Dyes and Boron from Polluted Water / / edited by Inamuddin, Mohd Imran Ahamed, Eric Lichtfouse, Abdullah M. Asiri
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2021
ISBN	3-030-47400-3
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (468 pages)
Collana	Environmental Chemistry for a Sustainable World, , 2213-7122 ; ; 49
Disciplina	628.164
Soggetti	Environmental chemistry Analytical chemistry Environmental management Water Hydrology Environmental Chemistry Analytical Chemistry Environmental Management
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1 Synthesis of activated carbons for heavy metals removal -- Chapter 2 Polymer absorbents for heavy metal removal -- Chapter 3 Metal oxyhydroxides composites for halogens and metalloids removal -- Chapter 4 Montmorillonite clay composite For heavy metal removal from water -- Chapter 5 Cellulose-based adsorbents for heavy metal removal -- Chapter 6 Recovery of heavy metals by membrane adsorbers -- Chapter 7 Metal hexacyanoferrate absorbents for heavy metal removal -- Chapter 8 Agriculture waste absorbents for heavy metal removal -- Chapter 9 Biosorption of metal ions present in industrial wastewater -- Chapter 10 Heavy metal removal by low cost adsorbents -- Chapter 11 Characteristics and adsorptive treatment of wastewaters containing dyes -- Chapter 12 Application of adsorption methods for boron uptake -- Chapter 13 Waste fruit cortexes for the removal of heavy metals from water -- Chapter 14 Biomass-based

	absorbents for heavy metal removal -- Chapter 15 Remediation of dyes from industrial wastewater using low-cost adsorbents -- Chapter 16 Hybrid adsorbents for dye removal from wastewater.
Sommario/riassunto	This book reviews adsorption techniques to clean wastewater, with focus on pollution by dyes and heavy metals. Advanced adsorbents include carbon nanomaterials, biomass, cellulose, polymers, clay, composites and chelating materials.