Record Nr. UNINA9910555298203321 Emerging carbon-based nanocomposites for environmental **Titolo** applications. // Ajay Kumar Mishra, Chaudhery Mustansar Hussain, Shivani Bhardwaj Mishra Hoboken, New Jersey:,: Wiley,, [2020] Pubbl/distr/stampa ©2020 **ISBN** 1-119-55486-1 1-5231-3721-5 1-119-55488-8 1-119-55489-6 Descrizione fisica 1 online resource (299 pages): illustrations Disciplina 628.30284 Soggetti Nanocomposites (Materials) Sewage - Purification Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Includes index. Sommario/riassunto "The 12 chapters comprehensively cover the development and advances on emerging carbon-based nanocomposites for wastewater applications and discuss the following topics: The emerging carbonbased nanocomposites for remediation of heavy metals and organic pollutants from wastewater; Functional green carbon nanocomposites for heavy-metal treatment in water; Carbon-based nanocomposites as heterogeneous catalysts for organic reactions in environment-friendly solvents: Biochar-based adsorbents for the removal of organic pollutants from aqueous systems; The removal of trihalomethanes from water using nanofiltration membranes and Nanocomposite materials as electrode materials in microbial fuel cells for the removal of water pollutants; Plasmonic smart nanosensors for the determination of environmental pollutants."--