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Titolo	Advanced separations by specialized sorbents // edited by Ecaterina Stela Dragan
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Soggetti	Separation (Technology) Sorbents
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Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Front Cover; Contents; Preface; Editor; Contributors; Chapter 1: Composite Hydrogel Materials; Chapter 2: Cryogels for Affinity Chromatography; Chapter 3: Particulate/Cell Separations Using Macroporous Monolithic Matrices; Chapter 4: Polysaccharide-Based Composite Hydrogels for Removal of Pollutants from Water; Chapter 5: Iron Oxide Magnetic Composite Adsorbents for Heavy Metal Pollutant Removal; Chapter 6: Biopolymer-Zeolite Composites as Biosorbents for Separation Processes; Chapter 7: Metal-Impregnated Ion Exchanger for Selective Removal and Recovery of Trace Phosphate Chapter 8: Molecularly Imprinted Polymers for Water Polishing Chapter 9: Biopolymer-Based Sorbents for Metal Sorption; Chapter 10: Mixed-Mode Sorbents in Solid-Phase Extraction; Chapter 11: Interpenetrating Polymer Network Composite Hydrogels and Their Applications in Separation Processes; Chapter 12: Toward Adaptive Self-Informed Membranes; Back Cover
Sommario/riassunto	Advanced Separations by Specialized Sorbents opens a new window into sorbent materials, presenting fundamental principles for their syntheses and adsorption properties. The book presents advanced techniques used to create specialized sorbents with a wide range of functions that can be used to enhance the separation and/or

purification of useful bioactive compounds, heavy metals, dyes, and other substances. It discusses the most recent developments in the field of separation processes, covering specialized sorbents such as monolith cryogels, composite hydrogels, metal-impregnated ion exchangers
