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Titolo	Filtering Media by Electrospinning : Next Generation Membranes for Separation Applications // edited by Maria Letizia Focarete, Chiara Gualandi, Seeram Ramakrishna
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Nota di contenuto	Electrospinning Technology for Filtering Membranes Fabrication -- Current Advances on Nanofiber Membranes for Water Purification Applications -- Electrospun Filters for Air Filtration: Comparison with Existing Air Filtration Technologies -- Electrospun Filters for Defense and Protective Applications -- Electrospun Filters for Heavy Metals Removal -- Electrospun Filters for Organic Pollutants Removal -- Electrospun Filters for Oil-water Separation -- Affinity Membranes for Cell Capture and Biological Substances -- Electrospun Nanofibre Filter Media -- New Emergent Technologies and Market Perspectives -- Index.
Sommario/riassunto	This book covers the state-of-the-art on electrospun materials for the use of filters for water remediation, ion-exchange membranes and affinity membranes for the capture of selected chemical and biochemical species, as well as filtering applications covering air treatment, defense and protective applications, and oil-water separation. The book also provides an overview of the landscape of marketed electrospun filters and of technical approaches for the large scale production of nanofibrous non-woven filter media. This is an ideal book for biomaterials and polymer researchers interested in the applications of filtering media by electrospinning. Covers the latest research on ion-exchange membranes and affinity membranes for capture of cells and biological substances Broadens reader understanding of antimicrobial electrospun filters and sieving filters for

liquid microfiltration Reviews exhaustively the key recent research into electrospun filters for oil-water separation, heavy metals removal, and defense and protective applications.

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