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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	part PART I Fundamentals -- chapter 1 Monolithic Stationary Phases in HPLC -- chapter 2 Bonded Stationary Phases -- chapter 3 Micro-HPLC -- chapter 4 Two-DimensionalComprehensive Liquid Chromatography -- chapter 5 Gradient Elution Mode -- chapter 6 Capillary Electromigration Techniques -- chapter 7 HPLC Detectors -- chapter 8 LC-MS Interfaces: State of theArt and Emerging Techniques -- chapter 9 Control and Effectsof Temperature in Analytical HPLC -- chapter 10 Nonlinear Liquid Chromatography -- chapter 11 Displacement Chromatographyin the Separation andCharacterization ofProteins and Peptides -- chapter 12 Field-Flow Fractionation -- chapter 13 Affinity Chromatography -- chapter 14 Ion Chromatography: Modesfor Metal Ions Analysis -- chapter 15 Retention Modelsfor Ions in HPLC -- chapter 16 Polymer HPLC -- part PART II Applications -- chapter 17 HPLC in ChiralPharmaceutical Analysis -- chapter 18 HPLC in Environmental Analysis -- chapter 19 HPLC in Food Analysis -- chapter 20 HPLC in Forensic Sciences.
Sommario/riassunto	Now in its second edition, this updated text examines new advances and concepts in the field. Topics include monolithic columns, bonded stationary phases, micro-HPLC, two-dimensional comprehensive liquid chromatography, gradient elution mode, retention models for ions, and capillary electromigration techniques. It addresses HPLC detectors, LC-MS interfaces, nonlinear chromatography, displacement

chromatography of peptides and proteins, polymer HPLC, field-flow fractionation, affinity and ion chromatography. With figures, tables, and references, this volume explores significant areas of HPLC application including chiral pharmaceutical, environmental, food, and forensic analysis.