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Nota di contenuto	1. Principles and Applications of Ultra-High-Performance Liquid Chromatography -- By Feruza Ahmed, Tadele Eticha, Ariaya Hymete and Ayenew Ashenef -- 2. Turbulent Flow Chromatography: A Unique Two-Dimensional Liquid Chromatography -- By Francesca Di Gaudio, Annamaria Cucina and Sergio Indelicato -- 3. Monoliths Media: Stationary Phases and Nanoparticles -- By Mohamed Hefnawy, Ali El Gamal and Manal El-Gendy -- 4. Perspective Chapter: High-Performance Liquid Chromatography Coupled to Mass Spectrometry - The Advance in Chemical Analysis -- By Kelly da Silva Bezerra -- 5. Green Strategies toward Eco-Friendly HPLC Methods in Pharma Analysis -- By Natalija Nakov, Jelena Acevska, Katerina Brezovska, Zoran Kavrakovski and Aneta Dimitrovska -- 6. Phenolic Compounds Profile of Brazilian Commercial Orange Juice -- By Maria Rita Estevam, Estela Mesquita and Magali Monteiro -- 7. HPLC-MS(n) Applications in the Analysis of Anthocyanins in Fruits -- By Seyit Yuzuak, Qing Ma, Yin Lu and De-Yu Xie -- 8. Current Trends in HPLC for Quality Control of Spices -- By Prafulla Kumar Sahu, Sukumar Purohit, Swarnajeet Tripathy, Durga Prasad Mishra and Biswajeet Acharya.
Sommario/riassunto	Increasing interest in topics related to health and quality of life in recent years has led to a growing need in food, environmental and bioanalytical research for high-throughput separation techniques able to cope with the qualitative/quantitative determination of a large number of compounds in very complex matrices. High-performance

liquid chromatography (HPLC) is a well-established separation technique widely employed in many fields. The versatility of chromatographic separation modes, coupled with low-resolution and high-resolution mass spectrometry, makes HPLC among the best options to solve emerging analytical problems. This book provides an overview of new advances in high-performance liquid chromatography and its applications in different fields.

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