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Nota di contenuto	Front Cover; Contents; Preface; Chapter 1: Why Plasma Harmonics?; Chapter 2: Theoretical Basics of Plasma Harmonics; Chapter 3: Low-Order Harmonic Generation in Plasma Plumes Using Nanosecond and Picosecond Driving Pulses; Chapter 4: High-Order Harmonic Generation in Plasma Plumes Using Picosecond Pulses; Chapter 5: Plasma HHG Using Femtosecond Pulses; Chapter 6: Characterization of Plasma Harmonics; Chapter 7: Recent Achievements in Plasma Harmonics; Summary; Back Cover
Sommario/riassunto	Plasma harmonics is a new field of laser spectroscopy. The use of the solid elements of the periodic table, together with thousands of complex solid-state samples, largely extends the range of materials employed in plasma harmonics in contrast to the few light rare gases that are typically used. Thus the exploration of practically any available solid-state material through nonlinear spectroscopy comprising laser ablation and harmonic generation can be considered a new tool for materials science. Plasma harmonic spectroscopy exploits the spectral and structural properties of various ablated