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Nota di contenuto	1. Introduction to Upconversion Phosphors -- 2. Mechanism of Upconversion Phosphors -- 3. Properties and Characterization of Upconversion Phosphors -- 4. Synthesis of Upconversion Phosphors -- 5. Spectroscopy Techniques For Upconversion Phosphors.
Sommario/riassunto	This book highlights various applications of upconversion phosphors mainly for solar cells and in biomedical sciences. The tuning of chemical and physical properties in upconversion phosphors has a strong influence on a number of assorted applications including solid-state lasers, photovoltaic, and bioimaging. This book presents a fundamental understanding of upconversion luminescence, and the

theoretical elucidation of spectroscopic properties and luminescence  
dynamics of photon upconversion in rare-earth-activated phosphors.

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