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Nota di contenuto	Luminescent Materials and their Applications; Editor's Note; Table of Contents; History of Luminescence from Ancient to Modern Times; Recent Advances in Luminescent Nanomaterials for Solid State Lighting Applications; Persistence Mechanisms and Applications of Long Afterglow Phosphors; Exploring Synthesis Techniques for Yttrium Based Phosphors; Mechanoluminescence of Coloured Alkali Halide Crystals; Photoluminescence and Thermoluminescence Properties of Eu2+ and Ce3+ Activated BaAlSi5O2N7 Phosphors; Photoluminescence Properties of YAl3(BO3)4:RE3+ (RE=Ce/Dy/Tb) Phosphors Electroluminescence in Organically Capped Cd1-xZnxSe Chalcogenide NanocrystalsSynthesis and Electroluminescence of Silver Doped ZnS/PVK Nanocomposite; Keywords Index; Authors Index
Sommario/riassunto	It is pertinent to note that Luminescence phenomenon has once again occupied a central stage with the announcement of Nobel Prize in October 2014 to three Japanese scientists. The discovery of Galium Nitride proved to be a revolutionary step forward in creation of Blue LEDs. With the advent of LED lamps we now have more long-lasting and more efficient alternatives to older light sources. The Volume under reference consists of 9 Chapters, written by experts in the area of Luminescent Materials. First 5 Chapters are contributed as Review Papers and the last 4 are based on Research Papers.Chapter