



Novel III-Nitride Devices and Engineering for Solid-state Lighting

By Hui, Kwun Nam

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Engineering light-emitting diodes for microdisk lasers, white LEDs, and color-tunable LEDs | Over the last decade, the research on III-Nitrides semiconductor materials has increased exponentially, and engineering the III-Nitrides semiconductor materials for energy efficient laser and solid-state lighting are among the most exciting activities in nitride-based research and development area.

Conventional methods of producing nitride-based laser are complicated and lack of viable approach for large scale production. Regarding existing technologies for solid-state white light sources, especially, white and color-tunable LEDs, they are suffered from severe patent issues. This book, therefore, provides new methods of engineering nitride-based materials for novel microdisk lasers and solid-state white and color-tunable light sources, with a simple, fast and mass production process. Three separate, distinctly different approaches of fabricating novel nitride-based devices are outlined. This study should help shed some light on these new and exciting nitride-based semiconductor materials, and should be especially useful to professionals in solid-state lighting fields, or anyone else who may be considering as newcomers in the GaN field. | Format: Paperback | Language/Sprache: english | 180 gr | 220x150x6 mm | 108 pp.



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Reviews

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