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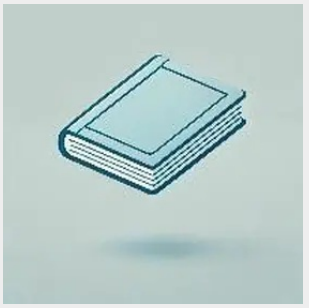
Tailoring Light Emission with Nanostructured Materials



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Tailoring Light Emission with Nanostructured Materials provides a comprehensive overview of the latest advances and emerging technologies in the field of nanostructured light emitters, offering insights into potential research directions. The book explores the theoretical foundations, experimental techniques, and characterization methods used in the development of novel light emitters in various industries, including electronics, lighting, displays, and medical devices, providing up-to-date information on the latest innovations in nanostructured materials for light emitting applications, along with valuable insights on the latest materials, fabrication techniques, and applications driving innovation in the sector. The book covers a range of applications, from medical devices and environmental sensors to consumer electronics and communication systems, providing practical examples in all cases. Identifying and applying the right light-emitting materials for specific applications across various industries can be challenging, and finding efficient yet cost-effective materials for light emitters is a common concern for researchers and industry professionals. This book addresses both of these challenges in addition to considering the environmental impact of various materials, discussing sustainable alternatives and practices in the development and application of light emitters.

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