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## **Particle Engineering**

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**Abstract:** Particle engineering is a rapidly growing field that focuses on the design, fabrication, and application of particles for various purposes, including drug delivery, energy storage, and environmental remediation. This literature review aims to provide a comprehensive overview of the current research findings in particle engineering and identify potential future research directions. Particle engineering involves the manipulation and control of particles at the nanoscale to achieve desired properties and functionalities. The field encompasses various areas, including particle synthesis, characterization, and formulation. The precise engineering of particles allows for the development of materials with tailored properties, such as enhanced stability, controlled release, and improved targeting.

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