

Investigating the synthesis methods of alumina nanoparticles

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Alumina nanoparticles have attracted much attention due to their unique properties and potential applications in various fields such as electronics, catalysis, biomedical engineering, energy, etc. Alumina nanoparticles can be prepared and synthesized through various methods such as sol-gel, hydrothermal, deposition, combustion, etc. The properties of alumina nanoparticles include high surface area, high mechanical strength, high thermal and chemical stability, which makes them suitable for various applications [1-3]. In this article, various synthesis methods, properties and applications of alumina nanoparticles have been reviewed. The results of the investigations have shown that each synthesis method has advantages and disadvantages in terms of particle size, morphology, purity and efficiency, and the choice of synthesis method depends on the properties and applications of nanoparticles.

Keywords: Alumina nanoparticles, Synthesis methods, Applications Alumina nanoparticles, Properties Alumina nanoparticles

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