

Nanoparticle Assembled Thin Films

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April 18, 2023

Abstract

Thin films assembled from nanoparticles deposited on a substrate in such a way that a certain degree of individuality of the individual clusters is maintained, present interesting and peculiar properties ranging from structural to electrical and thermal. The high number of grains and grain-grain boundary, the porosity and other structural characteristic consequence of the low energy deposition of the nanoparticles result in complex electrical and thermal conductivity properties.

1 Introduction

1.1 Sussy