

Short Communication

Preparation and Properties of Graphene Doped TiO₂ Mesoporous Materials for Photocathode Protection

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In this study, TiO₂-Graphene nanocomposites with a pore size of 10-15 nm were prepared by a sol-gel method under ultrasonic radiation environment. This kind of TiO₂-Graphene nanocomposites show excellent performance in the aspects of sunlight absorption, photocathodic protection, and super hydrophobicity.

Keywords: TiO₂, Graphene, Anatase phase, Photocathode protection

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