

Abstract Submitted
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Novel Nanocomposite Materials Synthesis and Their Application

YUANQIAO RAO, Eastman Kodak Company — This paper focuses on our effort to develop novel nanocomposite materials. A new method, in situ nanoparticle synthesis, has been used to make a variety of polymer-metal oxide nanocomposites. This method provides a simple and versatile tool to overcome the difficulty of controlling particle dispersion during nanocomposite synthesis. The resulting synthesized nanocomposites have well-controlled morphology and enhanced optical properties. The structure-property relation of these nanocomposites will also be discussed.

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