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Composite materials are studied for high-k dielectrics, resistors and inductors, electrically conductive adhesives, conductive "inks," underfill fillers, and

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synthesis of nanotechnology, and the use of metal oxide, metal sulfide, and carbon-based nanomaterials in photocatalysis. The book also discusses the major challenges of using photocatalytic nanomaterials on a broad scale. The book then explores how photocatalytic nanomaterials and nanocomposites are being used for

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The energy sector continues to receive increased attention from both consumers and producers due to its impact on all aspects of life. Electrical energy especially has become more in demand because of the delivery of the service to a large percentage of consumers in addition to the progress and increase of industrial

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