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Sommario/riassunto	In recent years, research and development has advanced greatly. Materials made using nanoscale components add new functional and structural properties: yielding nanocomposites and opening up many applications. Such nanocomposites are of great importance for a multitude of industrial uses and attract much research interest. This special issue on Functional Nanocomposite Materials is a collection of twelve papers whose contributors are at the Chinese University of Hong Kong, the Hong Kong University of Science and Technology, Tsinghua University, the University of Science and Technology of Beiji