Abstract

Carbon nanotubes have exhibited excellent photovoltaic properties, making it ideal for incorporation into new generation solar energy devices which could prove to be the answer to the emerging global energy problem. By creating aligned, vertically structured nanotube system featuring an interpenetrating donor-acceptor bicontinuous network, power conversion efficiency is expected to be enhanced. In the study, the post fabrication annealing time have been varied for comparison. Future studies would take the current concept of nano-scaffolds within polymer matrix a step further to expand the field of green technology for mankind.