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Improved thermal conductivity of Ag decorated carbon nanotubes water based nanofluids

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Highlights

- MWCNTs were decorated with Ag nanoparticles by the mass ratios of 1, 2 and 4%.
- The decorated CNTs were used to prepare water based nanofluids with 0.1 Vol.%.
- 1–20.4% increase was observed in thermal conductivity (TC) compared to pure water.
- Ag decorated CNTs increased TC of nanofluid up to 8% compared to CNTs nanofluid.

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