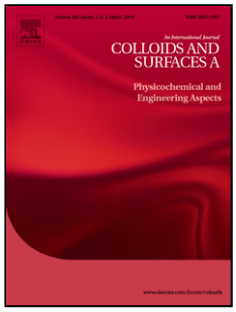

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A simple approach towards citrate-stabilized Ag nanoparticles with widely tunable sizes

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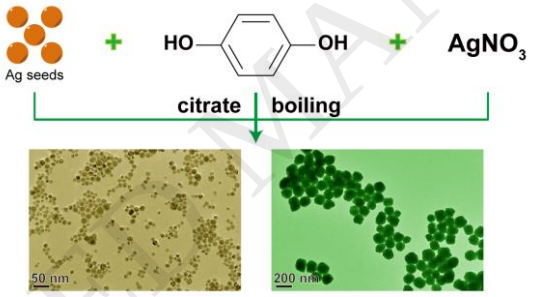
Graphical abstract



Citrate-stabilized Ag nanoparticles with tunable diameters over the range 15-150 nm were achieved by a thermal one-step seeding growth in hydroquinone reduction.

Abstract

Hydroquinone (HQ) can quickly reduce Au or Ag precursors only in the presence of preformed metallic seeds at room temperature without stabilizing effects and therefore is appealing for controllable synthesis of citrate-stabilized spherical Ag or Au nanoparticles (NPs). In this work, we examined the conventional

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