

Supplementary material

Characterisation of bioaccumulation dynamics of three differently coated silver nanoparticles and aqueous silver in a simple freshwater food chain

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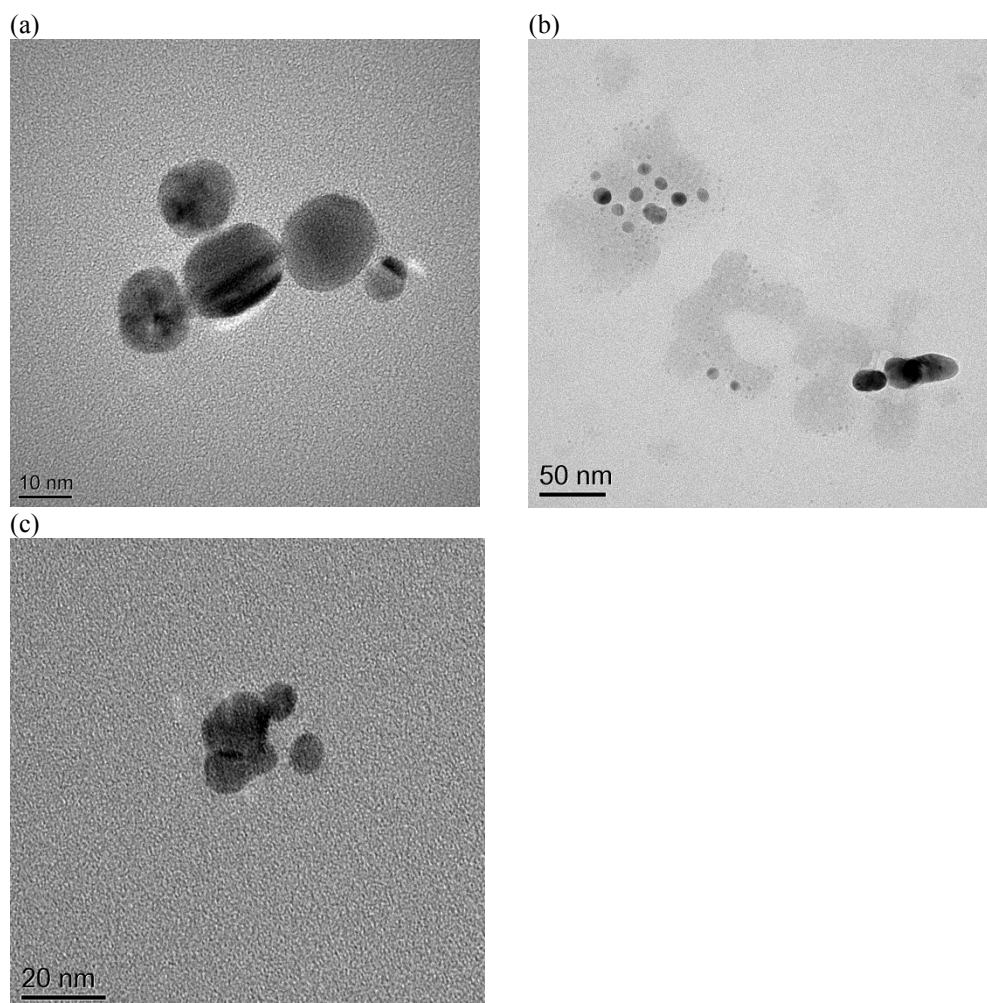


Fig. S1. TEM images of (a) PVP-, (b) PEG- and (c) citrate-coated Ag NPs in algal medium after 72 h of incubation.

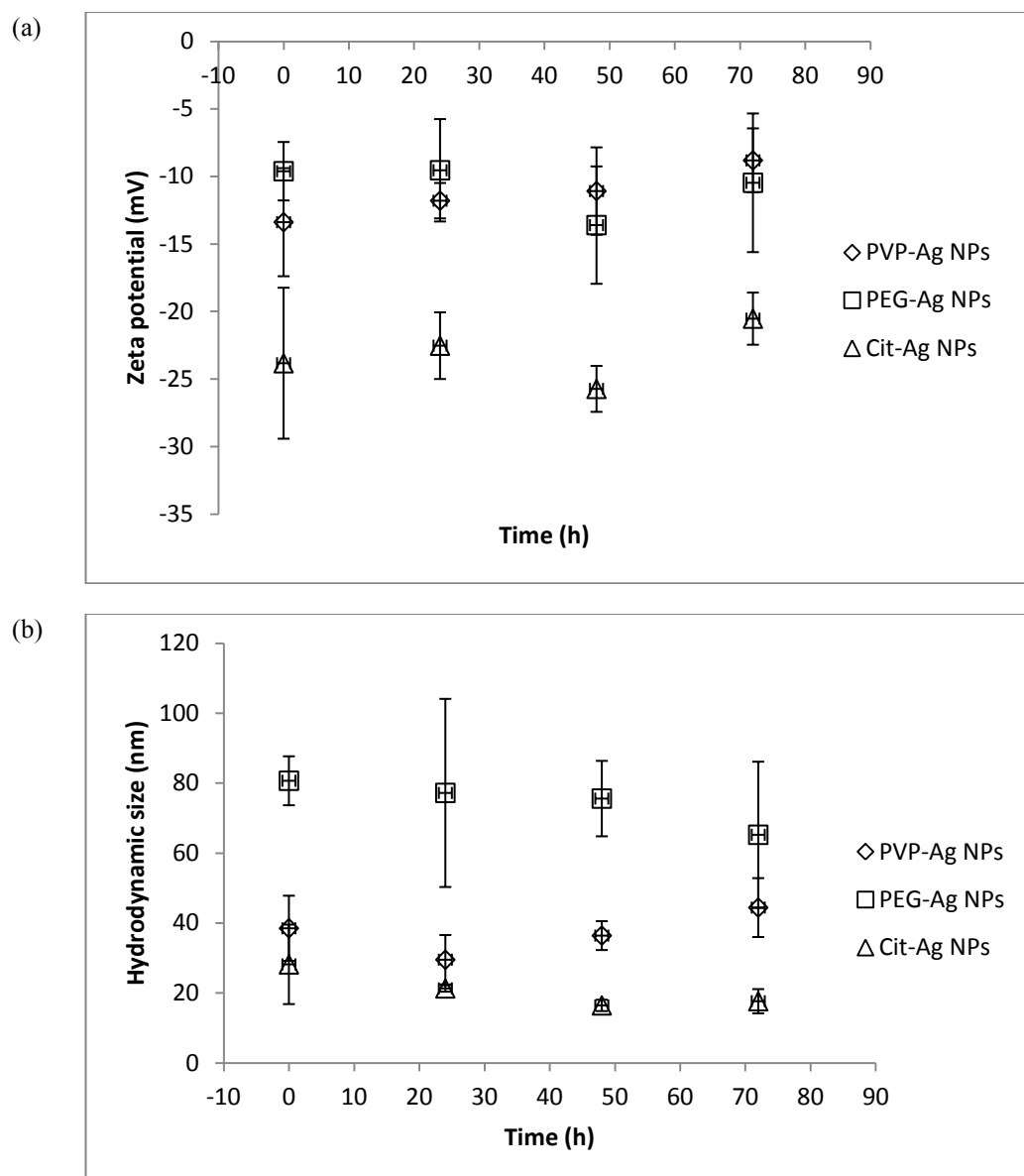


Fig. S2. (a) Zeta potential and (b) hydrodynamic size (mean \pm s.e.) measurements for PVP-, PEG- and citrate-coated Ag NPs in algal medium immediately after suspension and after 24, 48 and 72 h ($n = 3$).

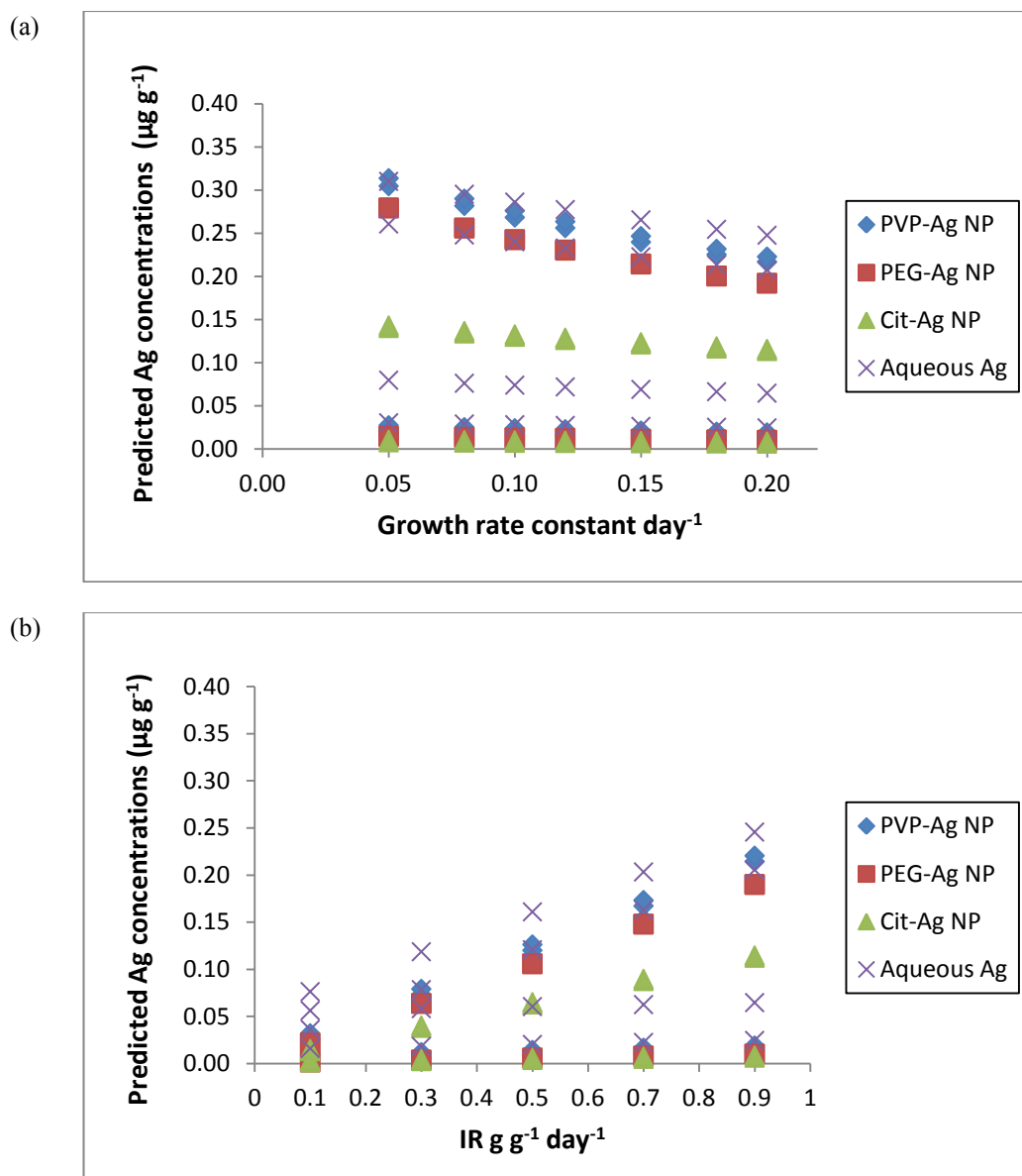


Fig. S3. The effect of changes in the growth rate constant (a) from 0.05 to 0.20 day⁻¹ and the ingestion rate (b) from 0.1 to 0.9 g g⁻¹ day⁻¹ on the predicted concentrations of Ag in *D. magna*. Other parameters are as in Table 2.