Supporting Information for

TiO_2 Nanoparticle Uptake by the Water Flea *Daphnia magna* via Different Routes is Calcium-Dependent

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3 pages, 2 Figures

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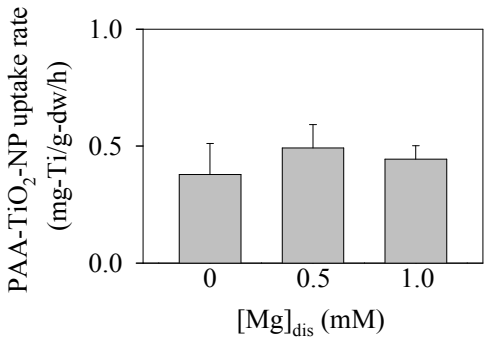

Figure S1. The rate of PAA-TiO_2-NP uptake by *Daphnia magna* in the medium without Ca but with 0, 0.5, and 1.0 mM Mg. The exposure media contained 4 mg-Ti/L PAA-TiO_2-NPs. Data are the mean ± standard deviation (n = 3).

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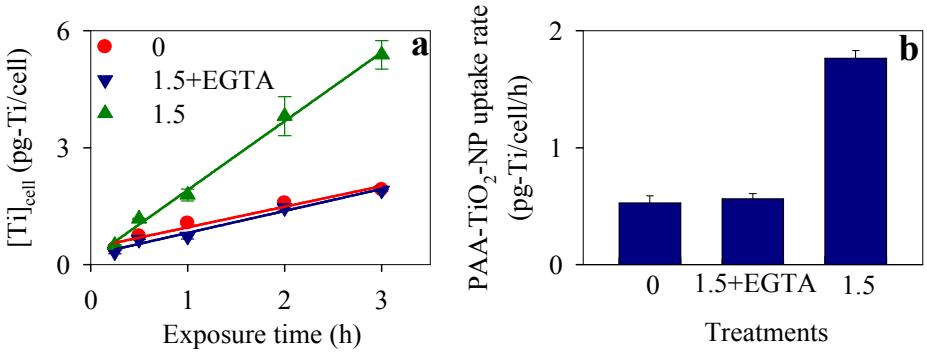

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31 **Figure S2.** (a) Time-dependent increase in cellular Ti content ($[Ti]_{cell}$) of the protozoan

32 *Tetrahymena thermophila* and (b) the calculated PAA-TiO_2-NP uptake rates for the treatments

33 containing 0 or 1.5 mM Ca, respectively. EGTA (2 mM, 1.5+EGTA) was applied in one of the

34 Ca-containing treatments. All exposure media possessed 4 mg-Ti/L PAA-TiO_2-NPs. Data are

35 the mean ± standard deviation (n = 2).

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