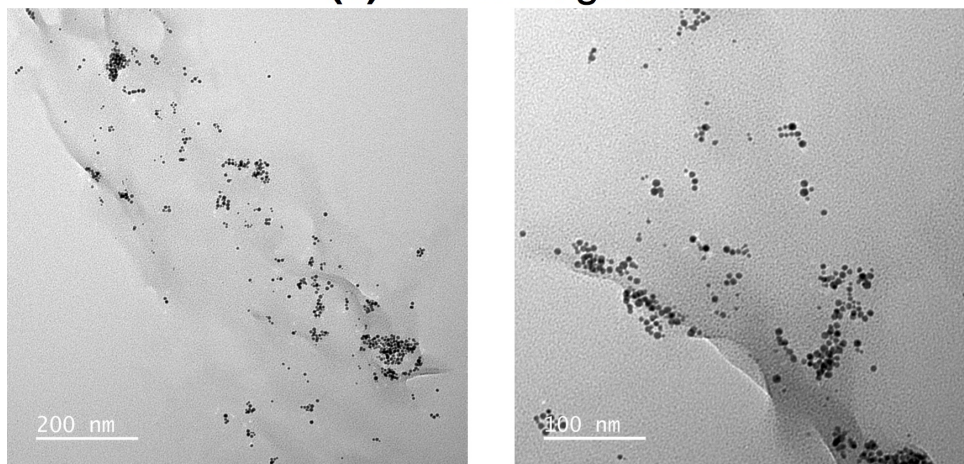


Electronic Supplementary Information: Laser-assisted synthesis of gold-graphene oxide nanocomposites: Does pulse duration matter?

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(a) 0.0033 mg/mL



(b) 0.33 mg/mL

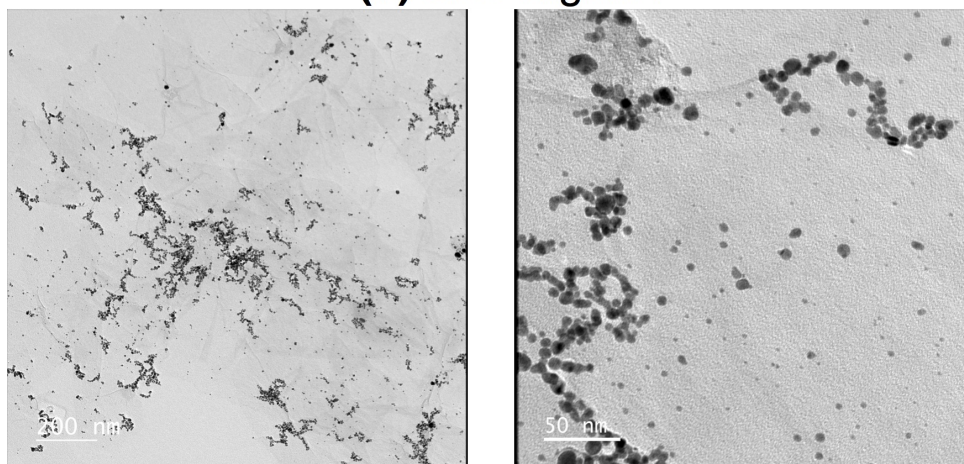


Figure 1: Additional TEM images and size distributions for ns laser processing of $[\text{AuCl}_4]^-$ in 0.0033 mg/mL GO (a) and 0.33 mg/mL GO (b).

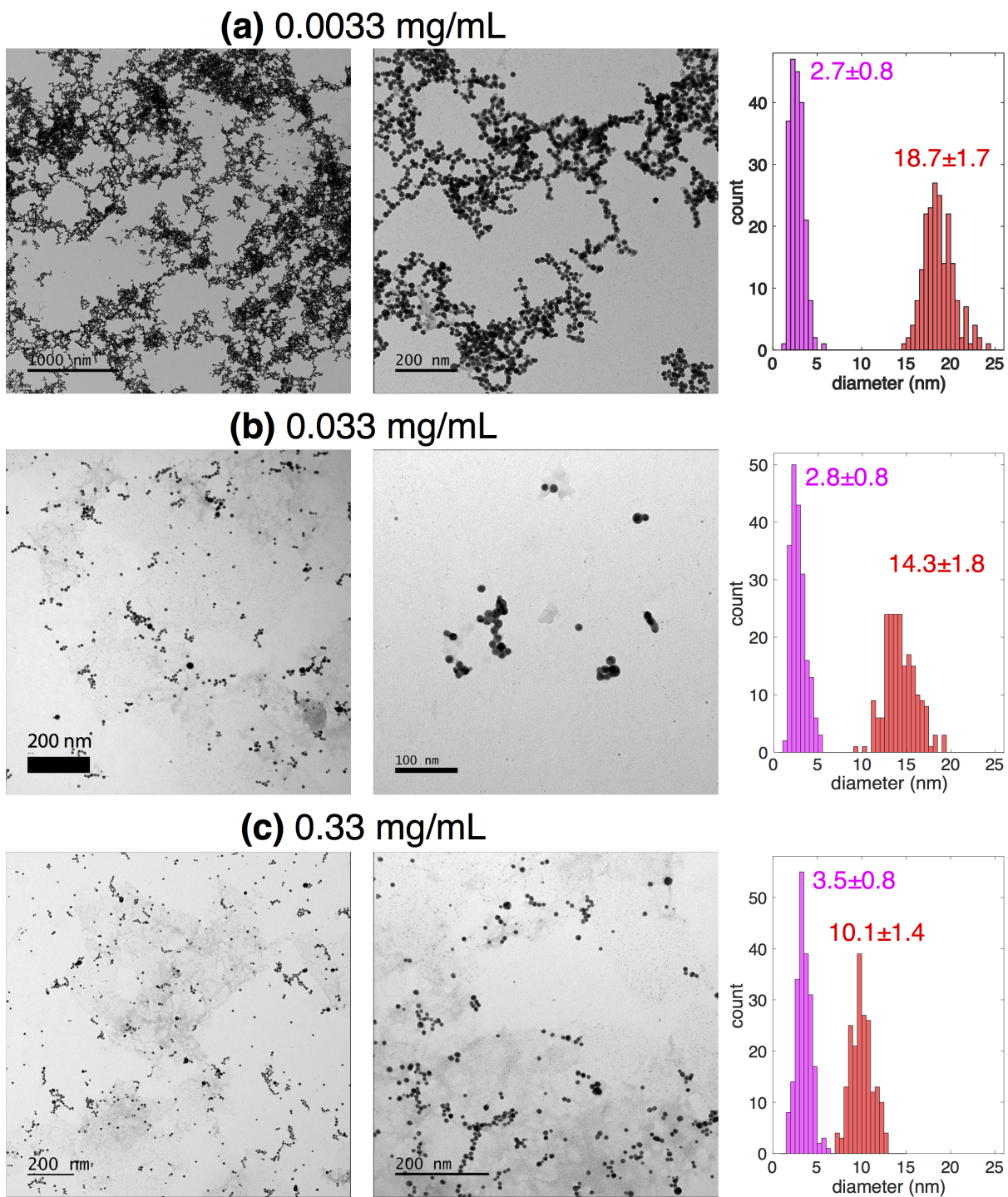


Figure 2: Additional TEM images and size distributions for fs laser processing of $[\text{AuCl}_4]^-$ in 0.0033 mg/mL GO (a), 0.033 mg/mL GO (b), and 0.33 mg/mL GO (c).

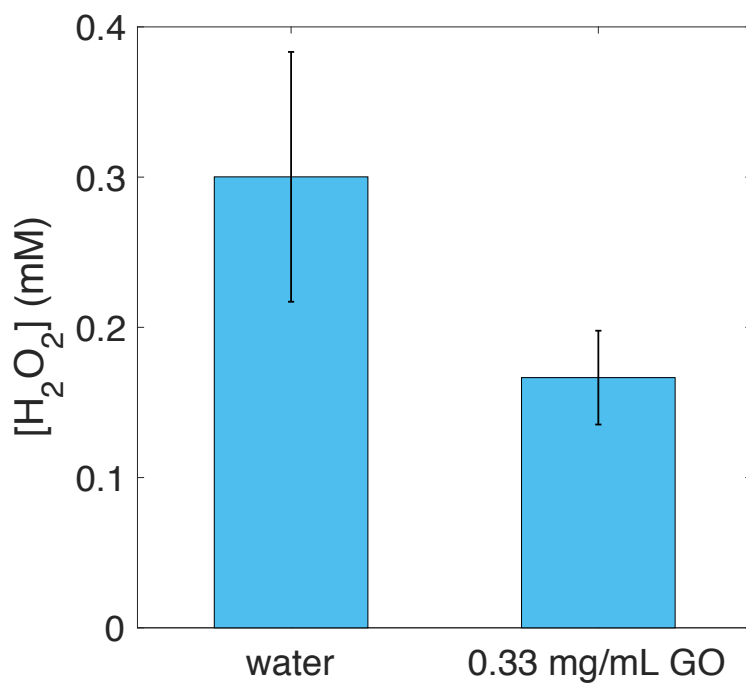


Figure 3: Yield of H_2O_2 quantified by titanium sulfate assay for fs laser-processed water and 0.33 mg/mL GO solution. Error bars denote standard deviation from three independent experiments in each case.