Supplementary Information

Electrostatic Assembly of Gold Nanorods on a Glass Substrate for Sustainable Photocatalytic Reduction via Sodium Borohydride

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Figure S1. SEM images of layered nanorod assemblies (30,000x magnification). Layers were built stepwise, adding a layer of nanorods during odd steps and adding a layer of ligand during even steps. (a) Au NR (b) Au NR-OPE (c) Au NR-OPE-Au NR (d) Au NR-OPE-Au NR-OPE (e) Au NR-OPE-Au NR-OPE-Au NR

Figure S2. SEM images of layered Au NR assemblies (60,000x magnification). (a) Au NR (b) Au NR-OPE (c) Au NR-OPE-Au NR (d) Au NR-OPE-Au NR-OPE (e) Au NR-OPE-Au NR-OPE-Au NR

Figure S3. UV-Vis traces of repeated coverslip. (a, c, e, g, i) UV-Vis monitoring of reaction. (b, d, f, h, j) Plots of lnC vs time. The same coverslip was catalytically competent for five cycles, with a reaction rate retardation of only 35% after 3 cycles.
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