



Figure S1: Antiviral effect of WO₃ photocatalyst with or without WO₃ for HCoV-229E. A wet filter paper was placed in a 10 cm dish to avoid dryness. Glass coated photocatalyst solution with or without WO₃ (100 mg) was placed on a plastic tube which was in turn placed on the filter paper to avoid direct contact with the filter paper. HCoV-229E (150 μ L) with a titer of 1.47×10^5 50% tissue culture infective dose (TCID₅₀)/mL was placed on the coated or uncoated glass. WO₃ photocatalyst was excited by white LED light with 1000 lx for 0 or 240 min. Titers of HCoV-229E strain were measured using the TCID₅₀ assay with MRC-5 cells. Assays were performed in at least 6 wells and the values represent the mean \pm standard deviation (SD) of three independent experiments.