

Supporting Information

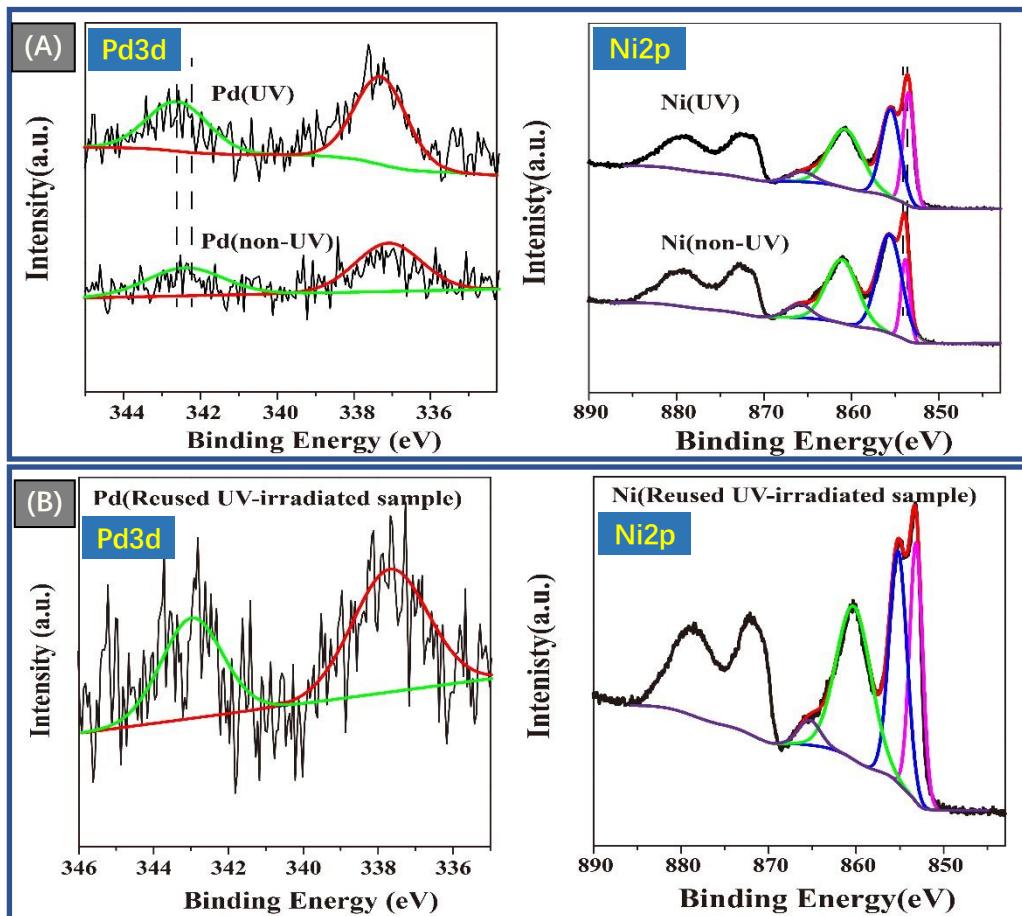


Figure 1S. XPS patterns of Pd and Ni elements of as-prepared Pd/NiO catalysts (A) and reused UV-irradiated Pd/NiO catalyst (B).

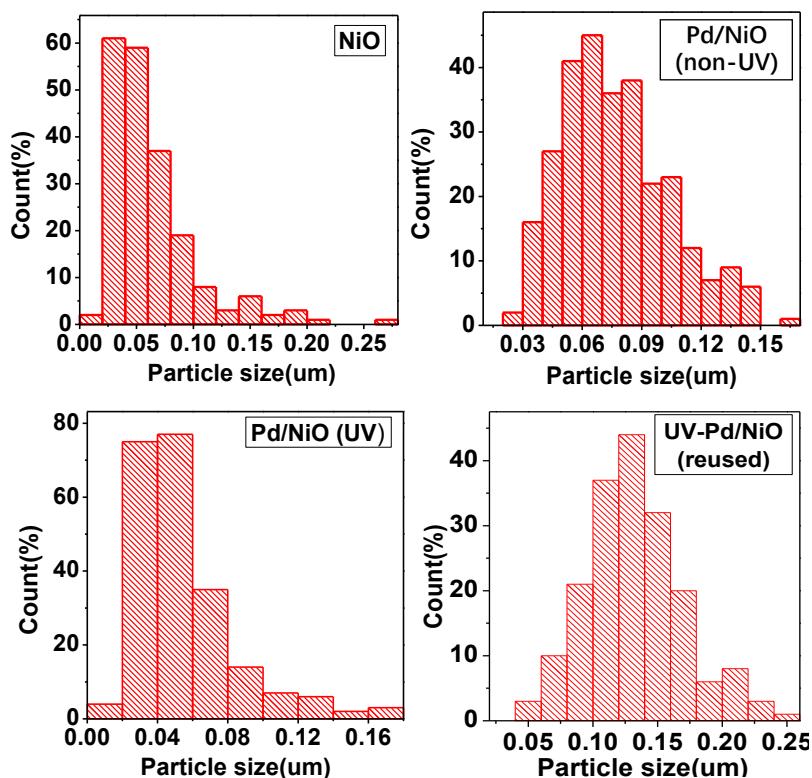


Figure 2S. Particle-size distribution of the NiO, non-UV-irradiated Pd/NiO catalyst, UV-irradiated Pd/NiO catalyst and reused UV-irradiated Pd/NiO catalyst.

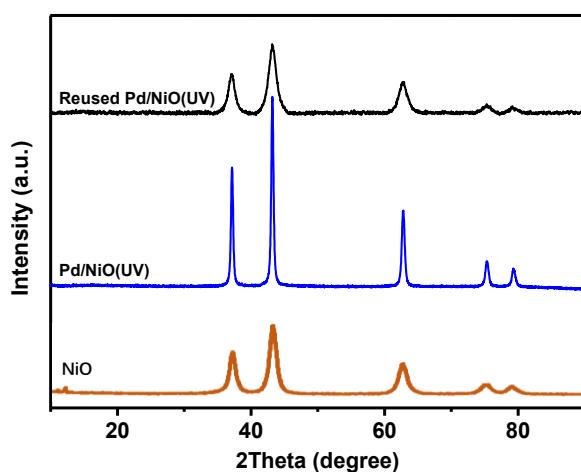


Figure 3S. X-ray diffraction patterns of the NiO, UV-irradiated Pd/NiO catalyst and reused UV-irradiated Pd/NiO catalyst.