

Figure 1S. Parallel and perpendicular irradiance of a silicon nanoparticle with a radius of 80 nm, with a wavelength of 550 nm, $n = 4.075$, and $k = 0.029$. For wavelengths of 620 nm, $n = 3.893$ and $k = 0.017$ the irradiance graph is similar, a) in polar coordinates b) in spherical coordinates.

