



(a) Topography of Al₂O₃ / CdSe-CdS quantum nanoplatelets (NP) on Au. (b) Near-field (Contact PL – tapping PL) and (c) tapping mode tip-enhanced photoluminescence map at NP emission wavelength. (d) Finite element electromagnetic wave simulation of Al₂O₃/NP/Au with plasmonic Au tip. Scale bars indicate 500 nm.